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Ethnobotany to bioprospecting of medicinal plants from Western Ghats, India – A review

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Supplementary Data

Supplementary Table S1 — List of endemic plants with ethnomedicinal importance

Sl. No.	Plant species
1.	*Acilepis dendigulensis* (DC.) H.Rob.
2.	*Actinodaphne hookeri* Meisn.
3.	*Alstonia venenata* R.Br.
4.	*Amorphophallus commutatus* (Schott) Engl., Monogr. Phan
5.	*Anaphalis beddomei* Hook. f.
6.	*Anaphalis subdecurrens* (DC.) Gamble
7.	*Anaphyllum wightii* Schott
8.	*Ancistrocladus heyneanus* wall.ex Graham
9.	*Andrographis affinis* Nees.
10.	*Andrographis lineata* Nees.
11.	*Andrographis neesiana*
12.	*Andrographis ovata* (T. Anderson ex Bedd.) Benth. & Hook.f
13.	*Andrographis producta* Gamble.
14.	*Andrographis serpyllifolia* (Vahl) Wight
15.	*Andrographis stellulata* C.B. Clarke
16.	*Andrographis stenophylla* C.B. Clarke
17.	*Anisochilus scaber* Benth
18.	*Arenga wightii* Griff.
19.	*Argyreia cuneata*, Willdex Ker-Gawl.
20.	*Argyreia pomacea* Wall. ex Choisy,
21.	*Argyreia sericea* Dalzell
22.	*Arisaema leschenaultii* Blume
23.	*Aristolochia krisagathra* Sivar. & Pradeep
24.	*Arundinella mesophylla* Nees ex Steud.
25.	*Aspidopterys cordata* (B.Heyne ex Wall.) A.Juss.
26.	*Asystasia travancorica* Bedd.
27.	*Baccaurea courtallensis* (Wight) Müll.Arg
28.	*Barleria acuminata* Nees
29.	*Barleria buxifolia* L
30.	*Barleria cuspidata* F.Heyne ex Nees
31.	*Barleria nitida* Nees
32.	*Bauhinia foveolata* Dalzell
33.	*Begonia crenata* Dryand

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Supplementary Table S1 — List of endemic plants with ethnomedicinal importance (Contd.)

Sl. No.	Plant species
34.	*Borassus flabellifer* L.
35.	*Boswellia serrata* Roxb. ex Colebr
36.	*Bulbophyllum acutiflorum* A.Rich.
37.	*Bulbophyllum fuscopurpureum* Wight
38.	*Cadaba trifoliata* Wight & Arn
39.	*Capparis diversifolia* Wight & Arn
40.	*Capparis grandiflora* Wall. ex Hook.f. & Thomson
41.	*Caralluma adscendens* var. fimbriata (Wall.) Gravely & Mayur.
42.	*Caralluma bicolor* Ramach, S. Joseph, H. A. John & C. Sofiya
43.	*Carissa spinarum* L.
44.	*Ceropegia pusilla* Wight & Arn.
45.	*Ceropegia spiralis* Wight
46.	*Cinnamomum malabatrum* (Burm.f.) J.Presl
47.	*Cinnamomum wightii* Meisn.
48.	*Cissus woodrowii* (Stapf ex Cooke) Santapau
49.	*Coelospermum decipiens* Baill.
50.	*Cryptolepis grandiflora* Wight
51.	*Curcuma neilgherrensis* Wight
52.	*Curcuma neilgherrensis* Wight
53.	*Cycas circinalis* L
54.	*Cyclea peltata* Hook. fil. & Thoms.
55.	*Cymbopogon flexuosus* (Nees ex Steud.) W.Watson
56.	*Cymbopogon martini* (Roxb.)Will.Watson
57.	*Dalbergia malabarica* Prain
58.	*Decalepis hamiltonii* Wight & Arn.
59.	*Deccania pubescens* var. candolleana (Wight & Arn.) Tirveng.
60.	*Dendrobium barbatulum* Lindl.
61.	*Dendrobium microbulbon* A.Rich.
62.	*Derris canarensis* (Dalzell) Baker
63.	*Diospyros vera* (Lour.) A.Chev.
64.	*Dipterocarpus indicus* Bedd
65.	*Disporum cantoniense* (Lour.) Merr.
66.	*Dysoxylum malabaricum* Bedd. ex C.DC.
67.	*Emilia scabra* DC. ex Wight,
68.	*Ensete superbum* (Roxb.) Cheesman
69.	*Erythropalum scandens* Blume
70.	*Garcinia indica* (Thouars) Choisy
71.	*Goniothalamus wightii*
72.	*Grewia gamblei* J.R.Drumm.
73.	*Habenaria marginata* Colebr.
74.	*Haplanthodes verticillatus* (Roxb.)
75.	*Henckelia incana* (Vahl) Spreng.
76.	*Heracleum grande* (Dalzell & A. Gibson) Mukhop.
77.	*Heterophragma quadriloculare* (Roxb.) K.Schum.
78.	*Hildegardia populifolia* Schott & Endl
79.	*Holigarna arnottiana* Hook.f.
80.	*Holigarna grahamii* (Wight) Kurz,
81.	*Hoya alexicaca* (Jacq.) Moon
82.	*Humboldtia unijuga* Bedd.
83.	*Hydnocarpus macrocarpa* Warb.
84.	*Hydnocarpus pentandrus* (Buch. -Ham.) Oken
85.	*Hydnocarpus wightianus* Blume
86.	*Isachne globosa* (Thunb.) Kuntze

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Supplementary Table S1 — List of endemic plants with ethnomedicinal importance (Contd.)

Sl. No.	Plant species
87.	*Jasminum trichotomum* B.Heyne ex Roth
88.	*Justicia beddomei* (C.B. Clarke) Bennet
89.	*Kalanchoe laciniata* (L.) DC.
90.	*Kingiodendron pinnatum* (DC.) Harms
91.	*Lantana veronicifolia* Hayek
92.	*Lepidagathis cuspidata* Nees
93.	*Leucas pubescens*, Benth.
94.	*Litsea floribunda* (Bl.) Gamble
95.	*Litsea scrobiculata*, Meisn.
96.	*Memecylon malabaricum* (C.B.Clarke) Cogn.
97.	*Moullava spicata* (Dalzell) Nicolson
98.	*Mussaenda frondosa* L.
99.	*Mussaenda glabrata* (Hook.f) Hutchinson ex Gamble
100.	*Mussaenda hirsutissima* (Hook.f.) Hutch. ex Gamble
101.	*Myristica malabarica* Lam.
102.	*Naregamia alata* (Wight & Arn)
103.	*Ochlandra talbotii* Brandis
104.	*Passiflora leschenaultii* DC.,
105.	*Phlebophyllum kunthianum* Nees
106.	*Phyllanthus indofischeri* Bennet
107.	*Phyllanthus rheedei* Wight
108.	*Piper wightii* Miq.
109.	*Pittosporum neelgherrense* Wight & Arn.
110.	*Psychotria flavida* Talbot
111.	*Psychotria nudiflora* Wight & Arn.
112.	*Pterocarpus santalinus* L.f.
113.	*Pterospermum rubiginosum* Heyne ex Wight & Arn.
114.	*Pulicaria wightiana* (DC.) C.B.Clarke
115.	*Radermachera xylocarpa* (Roxb.) Roxb. ex K.Schum.
116.	*Schefflera capitata* (Wight & Arn.) Harms
117.	*Selaginella radicata* (Hook. & Grev.) Spring
118.	*Sesamum prostratum* Retz
119.	*Shorea roxburghii* G.Don
120.	*Solanum vagum* Heyne
121.	*Solena heterophylla* Lour.
122.	*Sonerila tinnevelliensis* C.E.C.Fisch.
123.	*Strobilanthes ciliata* Nees in Wall.
124.	*Strobilanthes kunthiana* (Nees) T. And.
125.	*Syzygium caryophyllatum* (L.) Alston
126.	*Syzygium jambolanum* (Lam.) DC. var. axillare Gamble
127.	*Tabernaemontana alternifolia* L.
128.	*Taxillus heyneanus* (Schult.) Danser
129.	*Terminalia paniculata* Roth
130.	*Vernonia conyzoides* Wt

Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Aegle marmelos (L.)	Rutaceae	NE	F,GI, D, OT, GD, PB,ENT, CVD , PI, OD, DD, RD, OI, NS, VD, HH, DB, IH,	TN, kar, M, GJ, K, G,	(Palanisamy, Sasikala, and Natarajan 2020) (Jaganathan et al. 2016) (Ghats and Nadu 2017) (Pradheeps and Poyyamoli 2013), (Profile 2012) (Silambarasan et al. 2017) (Perumal, Maung, and Gopalakrishnakone 2008) (Tetali et al. 2009) (Mutheeswaran *et al.* 2011) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Tahsil 2021) (Pillai et al. n.d.) (Arts and Reserved 2021) (Shinde 2021)(Yasothkumar 2021) (Forest 2015) (I and Kumar 2004) (KUMAR 2015) (Harsha et al. 2003)(Naik, Puttaiah, and B 2014) (Jain et al. 2010) (Parthiban et al. 2016)(No 2014) 9) (J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008) (International 2010) (Area 2010) (Umapriya et al. 2011)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (S Sukumaran and Raj 2010) (Shiragave 2015)(Jadhav 2016) (Chithra, Km, and Sp 2016)(Aadhan and Anand 2017) (Kalaiselvan and Gopalan 2014) (Natarajan et al. 2013) (Durairaj, Kamaraj, and Senthil 2012) (Muthu et al. 2006) (Vikneshwaran, Viji, and Lakshmi 2008) (Afr et al. 2009) (Khairnar and Gadekar 2019) (Rehamn and Sultana 2015) (Devi 2012) (Chandanshive et al. 2022) (Srinivasan et al. 2022)(Aiwale et al. 2022) (Acharya et al., 2023); (Acharya et al., 2023b); (Yogeesh and Krishnakumar 2022)
Ailanthus triphysa	Simaroubaceae	NE	IH, GI, RD, ENT, PB	TN,	(Palanisamy, Sasikala, and Natarajan 2020)(Vijayashalini et al. 2017)
Albizia lebbeck	Fabaceae	NE	PI, OT, C, OD, PB,ENT, GI, ED, DD, RD,	TN, GJ, K, G, kar	(Palanisamy, Sasikala, and Natarajan 2020)(Ghats and Nadu 2017)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004)(Jeyam, Subhashini, and Jeyam n.d.) (Sulochana et al. 2015) (Venkatachalapathi et al. 2018)(Naik, Puttaiah, and B 2014)(Haveli 2011)(Dahariya et al. 2020)(Srinivasan et al. 2022)
Andrographis lineata Nees.	Acanthaceae	EN	D, PB,	TN	(Jaganathan et al. 2016)(Ignacimuthu and Ayyanar 2006)(International 2010)
Bauhinia racemose Lam.	Fabaceae	NE	RD,GI,ED, OI, DD, UG, PI, GD, F, HH	M, TN, kar, GJ	(Shiragave 2015)(Jaganathan et al. 2016)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Rehamn and Sultana 2015)(Dhivya, S M 2016), (Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Tahsil 2021) (I and Kumar 2004) (KUMAR 2015)(Circle 2014)(No 2014) (Maru and Patel 2012)(Vijayashalini et al. 2017)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Tahsil 2021)(Shinde 2021)(Forest 2015) (I and Kumar 2004) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008) (KUMAR 2015) (Jadeja, Odedra, and Odedra 2006)(Chandanshive et al. 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Butea monosperma L.	Fabaceae	LC	GI, UG, D, PI, F, C,OT, GD, UG, CVD, ED, DD, PB, OI,	M, TN, K, Kar, GJ	(Shiragave 2015)(Jadhav 2016)(Chithra, Km, and Sp 2016)(Mathews 2013)(Bhat, Mulgund, and Bhat 2019)(Khairnar and Gadekar 2019)(Devi 2012), (Thirumurthy and Mol 2020)(Soman 2011) (Desale et al. 2013), (Circle 2014) (No 2014) (Maru and Patel 2012)(Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014)(Punjani 2010)(Aswathi and Abdussalam 2021)(Jain et al. 2010)(Afr et al. 2009)(Acharya et al., 2023b)
Caesalpinia bonduc (L.) Roxb.	Fabaceae	NE	GD, D, F, GI, PB,DD, PI, OT, UG, NS, ED, ENT	TN,M, GJ, K , Kar, G,	(Jaganathan et al. 2016)(Jadhav 2016)(Kalaiselvan and Gopalan 2014)(Kamble et al. 2008)(Jadeja, Odedra, and Odedra 2006), (Perumal, Maung, and Gopalakrishnakone 2008) (Pushpakarani and Natarajan (Kottaimuthu 2008)(Vijayan et al. 2007)(Silja, Varma, and Mohanan 2008)(Selvamony Sukumaran et al. 2020)(Jain et al. 2010)(Harsha et al. 2003)(Naik, Puttaiah, and B 2014)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Onkar 2016)(Harsha 2004)(Aswathi and Abdussalam 2021)(Revathi 2010) (Tetali et al. 2009)(Chandanshive et al. 2022)
Calotropis gigantean (L.) W.T. Aiton.	Apocynaceae	NE	PI, ED, RD, OI, OT, DD, PB, GD, HH, ENT, STD, GI, NS, IH, F, UG, OD, VD, CVD,	TN, K, kar, M, GJ, G,	(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Pradheeps and Poyyamoli 2013)(Deepthy and Ab 2014)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Waman and Khyade 2015)(Durairaj, Kamaraj, and Senthil 2012)(Harsha 2004)(Bhat, Mulgund, and Bhat 2019)(Vikneshwaran, Viji, and Lakshmi 2008)(Afr et al. 2009)(Manikandan 2005)(Hosamani et al. 2012)(Ramachandran, Joseph, and Aruna 2009)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Tahsil 2021) (Pillai et al. n.d.) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu.pdf n.d.) (Shah, Sheth, and Parabia 2012)(Harsha et al. 2003)(Shanmugam, Rajendran, and Suresh 2012)(Rodrigues 2015)(Naik, Puttaiah, and B 2014)(Naik, Puttaiah, and B 2014)(Circle 2014) (Parthiban et al. 2016)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Sulochana et al. 2015)(Nadu 2022)(Acharya et al., 2023)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Cardiospermum halicacabum L	Sapindaceae	NE	PI,F, DD, PB, HH, RD, GD, GI, ENT, UG, OT, NS, VD,	TN, kar, M, GJ, T, K	(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016) (Range and Nadu 2017)(Chithra, Km, and Sp 2016)(Nadu and Nadu 2019)(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Muthu et al. 2006)(Vikneshwaran, Viji, and Lakshmi 2008)(Dhivya, S M 2016)(Sripathi and Sankari 2010)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Tahsil 2021)(Arts and Reserved 2021)(Shinde 2021) (KUMAR 2015)(Prabhu et al. 2021)(Mownika, Sharmila, and Ramya 2021)(Samy and Ignacimuthu 2000)(Shanmugam, Rajendran, and Suresh 2012) (Jain et al. 2010) (Parthiban et al. 2016)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(International 2010)(Area 2010)(Umapriya et al. 2011)(Ganesan, Suresh, and Kesaven 2004)(Silja, Varma, and Mohanan 2008) (S Sukumaran and Raj 2010) (Sutha et al. 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (Francis et al. 2014) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Selvamony Sukumaran et al. 2020)(Jeyam, Subhashini, and Jeyam n.d.)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Revathi 2010)(Afr et al. 2009)(Nadu 2022)(Chandanshive et al. 2022)(Jenipher and Ayyanar 2022)
Cassia fistula L.	Fabaceae	NE	OD, PI, PB, D, DD, GI, OT,IH, F, ENT, VD, NS, GD,	M, TN, K, kar, G, GJ,	(Shiragave 2015)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Hosamani et al. 2012)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shinde 2021)(Forest 2015) (I and Kumar 2004) (KUMAR 2015)(Harsha et al. 2003)(Naik, Puttaiah, and B 2014)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Circle 2014) (Jain et al. 2010) (Parthiban et al. 2016)(Ethnobotanical Plants Used by the Tribes of R. D. F . 2013)(Aswathi and Abdussalam 2021)(International 2010)(Soman 2011)(Parinitha et al. 2004)(Patil and Patil 2005)(Prashantkumar and Vidyasagar 2008)(Prashantkumar and Vidyasagar 2008)(Silja, Varma, and Mohanan 2008) (Sahyadri 2012) (Desale et al. 2013) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Nadu 2022)(Acharya et al., 2023b); (Acharya et al., 2023)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Cassia tora L.	Fabaceae	NE	PI, D, DD, PB, GI, HH,ED, OI, RD, OT, STD,	M, TN, K,kar, GJ	(Shiragave 2015)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Rehamn and Sultana 2013)(Durairaj, Kamaraj, and Senthil 2012)(Vikneshwaran, Viji, and Lakshmi 2008)(Hosamani et al. 2012)(Harsha et al. 2002)(Tahsil 2021)(I and Kumar 2004) (KUMAR 2015)(Vijayashalini et al. 2017)(Soman 2011)(Umapriya et al. 2011)(Ganesan, Suresh, and Kesaven 2004)(Samy and Ignacimuthu 2000)(Naik, Puttaiah, and B 2014) (Jain et al. 2010)(Jeyam, Subhashini, and Jeyam n.d.) (Revathi 2010) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008)(Mutheeswaran et al. 2011) (Upadhya et al. 2012)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Pillai et al. n.d.)(Desale et al. 2013) (Selvamony Sukumaran et al. 2020)(Range and Nadu 2017)(Chithra, Km, and Sp 2016)
Clitoria ternatea L.	Fabaceae	NE	OT, UG, ENT, PI, NS, HH, F, DD, GI, PB, OI, IH.	TN, K, M,Kar	(Palanisamy, Sasikala, and Natarajan 2020)(Ghats and Nadu 2017)(Nadu and Nadu 2019)(Rehamn and Sultana 2013)(Rani et al. 2011)(Natarajan et al. 2013)(Muthu et al. 2006)(Mathews 2013)(Rehamn and Sultana 2015)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Muniappan Ayyanar and Ignacimuthu 2011)(Silja, Varma, and Mohanan 2008) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Shanmugam, Rajendran, and Suresh 2012)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Pillai et al. n.d.)(Aswathi and Abdussalam 2021)(Prabhu et al. 2021)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Mutheeswaran et al. 2011) (Francis et al. 2014) (Sulochana et al. 2015) (Pushpakarani and Natarajan 2014)(Nadu 2022)(Srinivasan et al. 2022)(Aiwale et al. 2022)
Costus pictus D.Don	Costaceae	NE		TN	(Chithra, Km, and Sp 2016)
Cheilocostus speciosus (J.König) C.Specht	Costaceae	NE	DD, D, GI, PI, OT, ENT	M, TN, K, Kar	(Shiragave 2015)(Rani et al. 2011)(Ignacimuthu and Ayyanar 2006)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Bosco and Arumugam 2012)(Muniappan Ayyanar and Ignacimuthu 2011)(M Ayyanar 2016)(Vijayan et al. 2007)(Acharya et al., 2023b)
Cuminum cyminum L.	Apiaceae	NE	GI, RD, OT, ED, CVD, PI, D, UG, GD, NSD, F	TN, GJ, Kar	(Palanisamy, Sasikala, and Natarajan 2020), (Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Prabhu et al. 2021)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Mutheeswaran et al. 2011)(International 2010) (Acharya et al., 2023b)(Acharya et al., 2023) (Srinivasan et al. 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Cyperus rotundus L.	Cyperaceae	LC	HH, GI, PI, GD, OI, PB, UG, OT, D, DD, RD, F	TN, GJ, M,Kar	(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016)(Ramanathan et al. 2014)(Rehamn and Sultana 2013)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Devi 2012)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shinde 2021) (KUMAR 2015)(Jadeja, Odedra, and Odedra 2006)(Prabhu et al. 2021)(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Perumal, Maung, and Gopalakrishnakone 2008) (Tetali et al. 2009) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Prashantkumar and Vidyasagar 2008) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(J. Prakash, Ayyanar, and Sekar 2011) (Ghatapanadi, Johnson, and Rajasab 2011)(Nadu 2022)(Acharya et al., 2023b)
Dodonea angustifolia L.f.	Sapindaceae	NE	PI	M	(Shiragave 2015)
Dolichandrone falcata var. falcata (Wall. ex DC) Seem.	Bignoniaceae	NE	GI, UG, PI	M, GJ	(Shiragave 2015)(Kamble et al. 2008)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Chandanshive et al. 2022)
Abelmoschus manihot (L.) Medik.	Malavceae	NE	OT, GI, DD, PI, UG,	M,	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Abelmoschus moschatus Medik.	Malvaceae	NE	OT, PI, GI,	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shinde 2021)
Herissantia crispa (L.) Brizicky,	Malvaceae	NE	GI	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Abutilon indicum (L.) Sweet	Malvaceae	NE	GI, UG, VD, OT, F, PI, GD, DD, D, RD, ENT, OI, PB, OD, C, HH	TN, G, M, Kar, GJ, K	(Shanmugam, Rajendran, and Suresh 2012)(Naik, Puttaiah, and B 2014) (Parthiban et al. 2016) (Shiragave 2015)(Range and Nadu 2017)(Jaganathan et al. 2016)(Ghats and Nadu 2017)(Nadu and Nadu 2019)(Rehamn and Sultana 2013)(Rani et al. 2011)(Natarajan et al. 2013)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Sankaranarayanan et al. 2010)(Afr et al. 2009)(Hosamani et al. 2012)(Dhivya, S M 2016)(Sripathi and Sankari 2010)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Prabhu et al. 2021)(Arts and Reserved 2021) (KUMAR 2015)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Bosco and Arumugam 2012)(Silambarasan et al. 2017)(Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Umapriya et al. 2011)(Ghatapanadi, Johnson, and Rajasab 2011)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Chandanshive et al. 2022)(Srinivasan et al. 2022)(Sakthivel, Somasundaram, and Ek 2021)(Aiwale et al. 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Abutilon theophrasti Medik.	Malvacaeae	NE	GI	GJ	(Jadeja, Odedra, and Odedra 2006)
Abutilum hirsutum	Malvaceae	NE	OD	K	(Thirumurthy and Mol 2020)
Vachellia nilotica (L.) P. J. H. Hurter & Mabb	Fabaceae	NE	OT, PI, GI, D, HH, DD, OT, UG,RD, PB	K,TN, M, GJ, Kar	(Jain et al. 2010)(International 2010) (Jayakumar et al. 2010), (Tahsil 2021)(Jeyam, Subhashini, and Jeyam n.d.)(Profile 2012)(Bosco and Arumugam 2012)(Thirumurthy and Mol 2020)(Muniappan Ayyanar and Ignacimuthu 2011)(Silja, Varma, and Mohanan 2008)(Khairnar and Gadekar 2019)(Aswathi and Abdussalam 2021)(Jeyam, Subhashini, and Jeyam n.d.) (Venkatachalapathi et al. 2018)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Arts and Reserved 2021)(Forest 2015)(Ethnobotany_of_Little_Rann_of_Kachch h_Gu.pdf n.d.) (Shah, Sheth, and Parabia 2012)(Dahariya et al. 2020)
Senegalia caesia (L.)	Fabaceae	NE	RD, OT, C, F, PI, DD, UG, GD,	K,TN, Kar	(Aswathi and Abdussalam 2021)(Thekkan and Arts 2017)(Ghats and Nadu 2017)(Rani et al. 2011)(Ignacimuthu and Ayyanar 2006)(Devi 2012) (Acharya et al., 2023b)
Senegalia catechu (L. f.) P. J. H. Hurter & Mabb	Fabaceae	NE	PI,GD, D, GI, ENT, DD, RD, OI,	M, K , GJ, TN, Kar	(Soman 2011) (Jayakumar et al. 2010)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Aswathi and Abdussalam 2021)(Chithra, Km, and Sp 2016)(Khairnar and Gadekar 2019) (Jeyam, Subhashini, and Jeyam n.d.)(Venkatachalapathi et al. 2018)(Aiwale et al. 2022)(Acharya et al., 2023b)
Acacia chundra (Rottler)Willd.	Fabaceae	NE	GI, OT, OD	M, GJ	(Jain et al. 2010)(KUMAR 2015)(Rehamn and Sultana 2015)(Chandanshive et al. 2022)
Vachellia farnesiana (L.) Wight & Arn	Fabaceae	NE	HH, GI, RD, DD, GD	K, TN, Kar	(Aswathi and Abdussalam 2021)(Rehamn and Sultana 2015)(Sahyadri 2012)(Sakthivel, Somasundaram, and Ek 2021)
Vachellia horrida (L.) Kyal. & Boatwr	Fabaceae	NE	ENT, RD, CVD, UG	TN	(Rehamn and Sultana 2015)(Vijayashalini et al. 2017)
Vachellia leucophloea (Roxb.) Maslin, Seigler & Ebinger, Blumea	Fabaceae	NE	OT, PI, DD, PB, GI, RD	Kar,TN, GJ	(Pradheeps and Poyyamoli 2013)(Durairaj, Kamaraj, and Senthil 2012)(Ignacimuthu and Ayyanar 2006)(Muthu et al. 2006)(Afr et al. 2009)(Devi 2012)(Jeyam, Subhashini, and Jeyam n.d.) (Perumal, Maung, and Gopalakrishnakone 2008) (Venkatachalapathi et al. 2018)(Shanmugam et al. 2021) (Shah, Sheth, and Parabia 2012)
Senegalia pennata (L.) Maslin, Nuytsia	Fabaceae	LC	GI, CVD, PI, GI, RD, OD	TN, Kar, K	(Mutheeswaran et al. 2011)(Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Aswathi and Abdussalam 2021)(Vijayan et al. 2007)
Vachellia planifrons (Wight & Arn.) Ragup	fabaceae	NE	DD, C, OT	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Ghats and Nadu 2017)(Vijayashalini et al. 2017)
Senegalia senegal (L.) Britton	Fabaceae	NE	UG, DD, GI, PI, OI	GJ	(Punjani 2010)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Senegalia rugata (Lam.) Britton & Rose	Fabaceae	NE	HH, DD, OD	GJ, M, TN, K	(Mitaliya, Patel, and Dodia 2003)(Sakarkar, Sakarkaf, and Sakarkar 2004)(Silja, Varma, and Mohanan 2008)(S Sukumaran and Raj 2010)(Aswathi and Abdussalam 2021)(Jeyam, Subhashini, and Jeyam n.d.) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)
Senegalia torta (Roxb.) Maslin	Fabaceae	NE	GI	K, TN	(Aswathi and Abdussalam 2021)(Revathi 2010)
Acalypha ciliata Forssk.	Euphorbiaceae	NE	GI, OT	TN	(Jothi, Benniamin, and Manickam 2008)
Acalypha fruticosa Forssk.	Euphorbiaceae	NE	GI, STD, RD, DD	TN kar	(Range and Nadu 2017)(Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Ignacimuthu and Ayyanar 2006)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006) (Sripathi and Sankari 2010)(Devi 2012)(Thekkan and Arts 2017)(Jothi, Benniamin, and Manickam 2008) (Venkatachalapathi et al. 2018)
Acalypha indica L	Euphorbiaceae	NE	OI, RD, VD, PB, GI, DD, ENT, PI, UG, OD,OT	TN, Kar,M,	(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012) (Parthiban et al. 2016)(Prabhu et al. 2021)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(M Ayyanar 2016) (S Sukumaran and Raj 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Selvamony Sukumaran et al. 2020)(Jaganathan et al. 2016)(Ghats and Nadu 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018) (Natarajan et al. 2013)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Vikneshwaran, Viji, and Lakshmi 2008)(Afr et al. 2009)(Hosamani et al. 2012)(Dhivya, S M 2016)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Jothi, Benniamin, and Manickam 2008)(Jeyam, Subhashini, and Jeyam n.d.)(Bosco and Arumugam 2012)(Jeeva and Femila 2012)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Arts and Reserved 2021)(Shinde 2021)(Yasothkumar 2021)(Srinivasan et al. 2022)
Acalypha paniculata Miq.	Euphorbiaceae	NE	DD, GI	TN	(Ignacimuthu and Ayyanar 2006)(Arts and Reserved 2021)(Jothi, Benniamin, and Manickam 2008)(Rani et al. 2011)(M Ayyanar and Ignacimuthu 2005)
Acanthospermum hispidum DC	Asteraceae	NE	DD, F	TN	(Nadu and Nadu 2019)
Acanthus ilicifolius, Linn.	Acanthaceae	LC	PI, OT, PB	TN	(Range and Nadu 2017)(Mownika, Sharmila, and Ramya 2021)
Accacia nilotica (L) Wild. ex Del	Fabaceae	NE	OD, D	M, TN	(Shiragave 2015)(Aadhan and Anand 2017)
Achillea millefolium	Asteraceae	NE	PB	TN	(Perumal, Maung, and Gopalakrishnakone 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Achyranthes aspera L.	Amaranthaceae	NE	HH, F, OD, OT, PB, RD, GI, UG, GD, DD, PI, VD	K,TN,M, Kar, GJ	(Muniappan Ayyanar and Ignacimuthu 2011)(Thirumurthy and Mol 2020)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(Soman 2011)(Umapriya et al. 2011)(Parinitha et al. 2004)(Ganesan, Suresh, and Kesaven 2004) (Prashantkumar and Vidyasagar 2008)(Silja, Varma, and Mohanan 2008) (Ghatapanadi, Johnson, and Rajasab 2011) (Francis et al. 2014) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Tahsil 2021)(Arts and Reserved 2021)(Shinde 2021)(I and Kumar 2004) (I and Kumar 2004) (Shah, Sheth, and Parabia 2012) (KUMAR 2015)(Punjani 2010)(Prabhu et al. 2021)(Mownika, Sharmila, and Ramya 2021) (Palanisamy, Sasikala, and Natarajan 2020) (Jaganathan et al. 2016)(Jadhav 2016)(Chithra, Km, and Sp 2016)(Ghats and Nadu 2017)(Chithra, Km, and Sp 2016)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Mathews 2013)(Harsha 2004)(Bhat, Mulgund, and Bhat 2019)(Vikneshwaran, Viji, and Lakshmi 2008) (Sankaranarayanan et al. 2010)(Afr et al. 2009)(Khairnar and Gadekar 2019) (Hosamani et al. 2012)(Dhivya, S M 2016)(Ramachandran, Joseph, and Aruna 2009)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012)(Rodrigues 2015)(Haveli 2011)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Circle 2014) (Jain et al. 2010) (Parthiban et al. 2016) (Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Dahariya et al. 2020)(Chandanshive et al. 2022) (Arts and Reserved 2021)(Srinivasan et al. 2022)(Aiwale et al. 2022) (Acharya et al., 2023b)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Achyranthes bidentata	Amaranthaceae	NE	PI, OD, RD, PB, GD, ED,	TN	(Mownika, Sharmila, and Ramya 2021)(Ghats 2019)(Paulsamy et al. 2007)
Acmella paniculata (Wall. ex DC.) R.K.Jansen	Asteraceae	LC	OD, ENT, PI, GI	TN GJ,	(Paulsamy et al. 2007)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Acmella ciliata (Kunth)	Asteraceae	NE	OD	TN	(Silambarasan et al. 2017)
Acorus calamus	Acoraceae	LC	HH, RD, F, UD, PB, ENT,IH, GI, ND, OI, OD , GD	M, TN, G, K, Kar	(Shiragave 2015)(Kalaiselvan and Gopalan 2014) (Rani et al. 2011)(Durairaj, Kamaraj, and Senthil 2012)(Ignacimuthu and Ayyanar 2006)(Muthu et al. 2006)(Afr et al. 2009)(Manikandan 2005)(Devi 2012)(Soman 2011)(Area 2010)(Silja, Varma, and Mohanan 2008)(Rodrigues 2015)(Bosco and Arumugam 2012) (Silambarasan et al. 2017) (Perumal, Maung, and Gopalakrishnakone 2008) (Francis et al. 2014) (Venkatachalapathi et al. 2018) (Prabhu et al. 2021) (Srinivasan et al. 2022) (Acharya et al., 2023); (Acharya et al., 2023b)
Acrostichum aureum Linn.	Pteridaceae	LC	PI, DD, OI	W.G	(Benjamin and Manickam 2007)
Pyrrosia piloselloides (L.) M.G	Polypodiaceae	NE	GI, OI, PI	TN, W.G	(Selvamony Sukumaran et al. 2020)(Francis et al. 2014)(Benjamin and Manickam 2007)
Actiniopteris radiata Link	Pteridaceae	LC	RD, PI, GI, OT	TN W.G	(Vijayashalini et al. 2017) (Benjamin and Manickam 2007) (Sutha et al. 2010)
Actinodaphne hookeri Meisn.	Lauraceae	EN	PI,D	Kar, G	(Bhat, Mulgund, and Bhat 2019)(Naik, Puttaiah, and B 2014)
Adansonia digitata L	Malvaceae	NE	GI, RD,OT	TN, GJ	(Vijayashalini et al. 2017)(Jadeja, Odedra, and Odedra 2006)
Adenanthera pavonine .	Fabaceae	NE	PI	TN	(Mownika, Sharmila, and Ramya 2021)
Adenia hondala (Gaertn.) W.J.de Wilde	Passifloraceae		GD	K	(Thirumurthy and Mol 2020)(Vijayan et al. 2007)
Adenia wightiana (Wall. ex Wight & Arn.) Eng	Passifloraceae	NE	PI	TN	(Kottaimuthu 2008)
Adenostemma lavenia (L.) Kuntze	Asteraceae	NE	OT	TN	(Rehamn and Sultana 2015)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Justicia adhatoda L.	Acanthaceaea	NE	RD, GI, ED, ENT, D, GD, PI,OI,HH,UD, F,PB, VD, OT , DD	M, TN, Kar, K , G, GJ	(Jain et al. 2010)(Range and Nadu 2017)(Aadhan and Anand 2017)(Rehamn and Sultana 2013)(Muthu et al. 2006)(Harsha 2004)(Vikneshwaran, Viji, and Lakshmi 2008)(Afr et al. 2009)(Manikandan 2005)(Khairnar and Gadekar 2019)(Hosamani et al. 2012)(Saranraj, Bhavani, and Suganthi 2016)(Silambarasan et al. 2017)(Sulochana et al. 2015)(Naik, Puttaiah, and B 2014) (Parthiban et al. 2016)(Harsha et al. 2002)(Jadhav 2016)(Ignacimuthu and Ayyanar 2006) (Devi 2012)(Biosci and Alagesaboopathi 2012)(J. Prakash, Ayyanar, and Sekar 2011)(International 2010)(Parinitha et al. 2004) (Sahyadri 2012)(Jeyam, Subhashini, and Jeyam n.d.)(Shinde 2021)(Profile 2012)(Revathi 2010)(Jeeva and Femila 2012)(Muniappan Ayyanar and Ignacimuthu 2011)(Soman 2011)(Silja, Varma, and Mohanan 2008) (Ghatapanadi, Johnson, and Rajasab 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Tahsil 2021)(I and Kumar 2004)(Prabhu et al. 2021)(Shiragave 2015)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Kalaiselvan and Gopalan 2014)(Chithra, Km, and Sp 2016)(Rani et al. 2011)(Bhat, Mulgund, and Bhat 2019)(Rodrigues 2015)(Shah, Sheth, and Parabia 2011) (Vijayan et al. 2007) (Sutha et al. 2010) (Desale et al. 2013) (Selvamony Sukumaran et al. 2020)(Bosco and Arumugam 2012) (Mutheeswaran et al. 2011) (Francis et al. 2014) (Venkatachalapathi et al. 2018)(Nadu 2022)(Chandanshive et al. 2022)(Acharya et al., 2023),(Yogeesh and Krishnakumar 2022)
Adiantum capillus-veneris Linn	Pteridaceae	LC	HH, OT, C, GD, OI	K, Kar W.G	(Hosamani et al. 2012) (Benjamin and Manickam 2007)
Adiantum caudatum	Pteridaceae	NE	PI, OI	W.G, GJ	(Benjamin and Manickam 2007)(Shah, Sheth, and Parabia 2011)
Adiantum lunulatum Burm. f.	Pteridaceae	LC	UD, PI	M, W.G	(Shiragave 2015) (Benjamin and Manickam 2007)
				W.G, G,TN, GJ,	(Benjamin and Manickam 2007)(Naik, Puttaiah, and B 2014)(Rehamn and Sultana 2015)(Forest 2015) (Jadeja, Odedra, and Odedra 2006)(Revathi 2010)(Vijayashalini et al. 2017)
Adina cordifolia (Roxb.) Brandis	Rubiaceaea	NE	OT, ENT, PI, OD, OI, GI, UD, DD		
Aerides crispa Lindl	Orchidaceae	NE	PI	M	(Khairnar and Gadekar 2019)
Aerva javanica (Burm.f.) Juss. ex Schult	Amaranthaceae	NE	UD, ENT, PI, HH, OD, UD	GJ,TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Punjani 2010)(Range and Nadu 2017)(Mownika, Sharmila, and Ramya 2021)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Aerva lanata (Linn.) Juss. ex Schult.	Amaranthaceae	NE	D, UD, GI, PI, PB, RD, GD, DD	TN, GJ, G, Kar	(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Range and Nadu 2017)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Devi 2012)(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012)(Rodrigues 2015) (Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Acharya et al., 2023); (Acharya et al., 2023b)
Aeschynomene indica Linn.	Fabaceae	LC	PB	TN, K	(M Ayyanar and Ignacimuthu 2005)(Aswathi and Abdussalam 2021)
Agave americana L.	Asparagaceae	NE	OT, GI, STD, OI, PB, OD, PI, DD	TN,M, G, GJ,	(Kalaichelvi and Dhivya 2017)(Khairnar and Gadekar 2019)(Rodrigues 2015) (Vijayashalini et al. 2017)(Chandanshive et al. 2022)
Agave angustifolia Haw.	Asparagaceae	NE	DD	M	(Shiragave 2015)
Ageratina adenophora (Spreng.) R.M.King & H.Rob.,	Asteraceae	NE	PI	TN	(Paulsamy et al. 2007)
Ageratum houstonianum Mill.	Asteraceae	NE	PI, OI	TN	(Paulsamy et al. 2007) (Vijayashalini et al. 2017)(Ghats 2019)
Ageratum conyziodes L.	Asteraceae	NE	GI, DD, ND, PI, OI	TN, GJ,M,K	(Ayyanar and Ignacimuthu 2005) (Paulsamy et al. 2007)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (KUMAR 2015)(Natarajan and Paulsen 2000) (Jain et al. 2010) (Ghats 2019)(Silja, Varma, and Mohanan 2008)(Range and Nadu 2017)(Deepthy and Ab 2014)(Khairnar and Gadekar 2019)(Rehamn and Sultana 2015)(Devi 2012)
Aglaia roxburghiana Heirn	Meliaceae	NE	PB, D	TN, K	(M Ayyanar and Ignacimuthu 2005) (Jayakumar et al. 2010)
Ailanthus excelsa Roxb.	Simaroubaceae	NE	PI, F, RD, GI, VD, DD, OI, GD	GJ, M, TN,	(Ethnobotanical Plants Used by the Tribes of R . D . F . 2013)(Ed 2014)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Tahsil 2021)(Shinde 2021) (Shah, Sheth, and Parabia 2012)(Ghats and Nadu 2017)(Khairnar and Gadekar 2019)(Devi 2012)(Jeyam, Subhashini, and Jeyam n.d.) (Revathi 2010) (Venkatachalapathi et al. 2018)(Mownika, Sharmila, and Ramya 2021)(S Sukumaran and Raj 2010)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Alangium salviifolium (L.f.) Wangerin	Cornaceae	NE	PB, ED, PI, GI, D, RD, DD, OI, OT, ENT, GD,	TN, GJ, Kar	(International 2010)(Mohan et al. 2008) (Vijayashalini et al. 2017) (Selvamony Sukumaran et al. 2020)(Revathi 2010) (Perumal, Maung, and Gopalakrishnakone 2008) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Samy and Ignacimuthu 2000)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Forest 2015)(Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008) (KUMAR 2015)(Mownika, Sharmila, and Ramya 2021)(Harsha et al. 2003)(Pradheeps and Poyyamoli 2013)(Durairaj, Kamaraj, and Senthil 2012)(Ignacimuthu and Ayyanar 2006)(Harsha 2004)(Vikneshwaran, Viji, and Lakshmi 2008)(Devi 2012)(Acharya et al., 2023)
Albizia amara (Roxb.)	Fabaceae	LC	PI, RD, HH, GI, PB, DD	K, TN	(Aswathi and Abdussalam 2021)(Jaganathan et al. 2016)(Pradheeps and Poyyamoli 2013)(Dhivya, S M 2016)(Jeyam, Subhashini, and Jeyam n.d.) (Venkatachalapathi et al. 2018)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(Vijayashalini et al. 2017)(M Ayyanar and Ignacimuthu 2005)(Srinivasan et al. 2022)
Albizia odoratissima (L.f.) Benth.	Fabaceae	NE	OI, PI, ED,	GJ , TN,	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rehamn and Sultana 2015)(Kottaimuthu 2008)
Albizia procera	Fabaceaea	NE	STD, HH, PI, OT	GJ, TN, G	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Naik, Puttaiah, and B 2014)
Alhagi maurorum Medik.	Fabaceae	NE	PI, GI	GJ	(Maru and Patel 2012)(Jadeja, Odedra, and Odedra 2006
Allium cepa	Amaryllidaceae	NI	PB, DD, HH, GD, PI, ED, GI, OI, RD	TN, M, GJ, Kar	(Circle 2014) (Sakarkar, Sakarkaf, and Sakarkar 2004)(Atel and Atel 2012)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Francis et al. 2014)(7) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014)(Muniappan Ayyanar and Ignacimuthu 2011)(International 2010)(Ganesan, Suresh, and Kesaven 2004) (Selvamony Sukumaran et al. 2020)(Atel and Atel 2012)(Mitaliya, Patel, and Dodia 2003) (Jadeja, Odedra, and Odedra 2006)(Prabhu et al. 2021)(Jenipher and Ayyanar 2022)(Acharya et al., 2023); (Acharya et al., 2023b);(Yogeesh and Krishnakumar 2022)
Allium cepa L. var. aggregatum	Amaryllidaceae	NI	OI, D, OT, PB, GI	TN	(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Durairaj, Kamaraj, and Senthil 2012)(Manikandan 2005)(Devi 2012)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Allium sativum	Amaryllidaceae	NI	RD, PI, OT, DD, CVD, D, GD, PB, GI, ENT , HH, GI,	GJ, TN, Kar, M	(Shah, Sheth, and Parabia 2012)(Circle 2014)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Manikandan 2005)(Jeeva and Femila 2012)(Silambarasan et al. 2017) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011)(Prabhu et al. 2021)(International 2010) (Parinitha et al. 2004)(Prashantkumar and Vidyasagar 2008) (Selvamony Sukumaran et al. 2020)(Dahariya et al. 2020)(Srinivasan et al. 2022) (Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022); (Acharya et al., 2023)
Allium ursenum L.	Amaryllidaceae	NI	GD	M	(Tahsil 2021)
Allmania nodiflora (L.) R.Br. ex Wight, J. Bot. (Hooker)	Amarantaceae	NE	GI, OT	TN	(Dhivya, S M 2016)
Allophyllus serratus (Roxb)	Sapindaceae	NI	DD, PI,	TN, K	(Rehamn and Sultana 2015)(Silja, Varma, and Mohanan 2008)
Allophylus cobbe (L)Raeusch	Sapindaceae	NE	PI, GI, PB, B	M, G	(Shiragave 2015)(Naik, Puttaiah, and B 2014)
Alocasia macrorrhizos (L.) G.Don	Araceae	NE	PI	TN	(Selvamony Sukumaran et al. 2020)
Aloe vera (L.) Burm.f.	Xanthorrhoeaceae	NE	HH, UG, RD, OI,PI,OT, GI, DD,GD, ENT, D, ED, VD,	GJ,M, TN, K, Kar, GJ,	(Mitaliya, Patel, and Dodia 2003)(Jadhav 2016)(Rani et al. 2011)(Afr et al. 2009)(Biosci and Alagesaboopathi 2012)(Sutha et al. 2010) (Ghatapanadi, Johnson, and Rajasab 2011)(Kamble et al. 2008) (Sakarkar, Sakarkaf, and Sakarkar 2004)(Bosco and Arumugam 2012)(Shiragave 2015) (Palanisamy, Sasikala, and Natarajan 2020)(Range and Nadu 2017)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Muthu et al. 2006)(Vikneshwaran, Viji, and Lakshmi 2008)(Ramachandran, Joseph, and Aruna 2009)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(International 2010)(Prashantkumar and Vidyasagar 2008)(Silja, Varma, and Mohanan 2008)(Desale et al. 2013) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Tahsil 2021)(Arts and Reserved 2021) (Yasothkumar 2021) (Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Prabhu et al. 2021)(Thekkan and Arts 2017)(Circle 2014) (Parthiban et al. 2016) (Maru and Patel 2012)(Nadu 2022) (Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Alpinia calcarata (Haw.) Roscoe	Zingiberaceae	NE	RD, C, PI, GI, OI, D,	TN, K	(Selvamony Sukumaran et al. 2020)(Chithra, Km, and Sp 2016)(Rehamn and Sultana 2013)(Rani et al. 2011)(Ignacimuthu and Ayyanar 2006)(Vikneshwaran, Viji, and Lakshmi 2008)(Devi 2012)(Jayakumar et al. 2010)
Alpinia galanga (L.) Willd	Zingiberaceae	NE	RD, OT, PI, GI, NS	TN	(Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Chithra, Km, and Sp 2016)(Biosci and Alagesaboopathi 2012)(Thekkan and Arts 2017)(Muniappan Ayyanar and Ignacimuthu 2011) (Selvamony Sukumaran et al. 2020)
Alpinia officinarum Hance.	Zingiberaceae	NI	RD	TN	(Arts and Reserved 2021)
Alseodaphne semecarpifolia Nees	Lauraceae	NE	OT, PB, GI, PI,	Kar, TN	(Harsha et al. 2002)(Kottaimuthu 2008)(Parinitha et al. 2004)
Alsophlla gigantea (Wall.ex.Hook)	Cyathaceae	NE	PI, PB	W.G	(Benjamin and Manickam 2007)
*Alstonia scholaris (*L.) R. Br.	Apocynaceae	LC	GI, RD, OI, PI, GD, HH, STD, S	G, GJ, TN, K , Kar	(Rodrigues 2015)(Shah, Sheth, and Parabia 2012)(Chithra, Km, and Sp 2016)(Rehamn and Sultana 2013)(Rani et al. 2011)(Ignacimuthu and Ayyanar 2006)(Mathews 2013)(Vikneshwaran, Viji, and Lakshmi 2008)(Devi 2012)(Mohan et al. 2008) (Selvamony Sukumaran et al. 2020)(Ayyanar and Ignacimuthu 2005)(Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022)
Alstonia venenata R.Br.	Apocynaceae	EN	PB, DD, PI	K, TN	(Thirumurthy and Mol 2020) (Sutha et al. 2010)(Venkatachalapathi et al. 2018)
Alternanthera ficoidea (L.) Sm	Amaranthaceae	NE	VD	GJ	(Maina, Kumar, and Prasad 2016)
Alternanthera paronychioides A.St.Hill.	Amaranthaceae	NE	OD, D,	TN	(Vijayashalini et al. 2017)
Alternanthera pungens Kunth.	Amaranthaceae	NE	RD, GD, PI, PB, OT	TN	(Vijayashalini et al. 2017)(Ghats and Nadu 2017)
Alternanthera sessilis (L.) R.Br. ex DC.	Amaranthaceae	LC	OT, GD, ED, PI, HH, RD, GI, DD, F	TN, GJ,	(Shanmugam, Rajendran, and Suresh 2012)(Circle 2014)(Mutheeswaran et al. 2011)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Muniappan Ayyanar and Ignacimuthu 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Range and Nadu 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)
Alysicarpus monilifer (L.) DC.	Fabaceae	NE	F, PB, OT, UG, DD	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rehamn and Sultana 2015)
Alysicarpus longifolius (Spreng.) Wight & Arn	Fabaceae	NE	OT	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Alysicarpus rugosus, Dc.	Fabaceae		GI, PI, OT	TN	(Range and Nadu 2017)(Rehamn and Sultana 2015)
Alysicarpus vaginalis	Fabaceae	NE	C, OT, GD, STD, UG,	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Ayyanar and Ignacimuthu 2005)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Amaranthus viridis L., Sp	Amaranthaceae	NE	GI	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Amaranthus blitum L.	Amaranthaceae		OI	TN	(Saranraj, Bhavani, and Suganthi 2016)
Amaranthus caudatus L.	Amaranthaceae	NE	GI, OT, UG, OI	TN	(S Sukumaran and Raj 2010)(Range and Nadu 2017)
Amaranthus graecizans L.	Amaranthaceae	NE	OI, PI, GI, ENT	TN, Kar	(Saranraj, Bhavani, and Suganthi 2016)(Shanmugam, Rajendran, and Suresh 2012)(Range and Nadu 2017)(Pradheeps and Poyyamoli 2013)
Amaranthus lividus L.	Amaranthacaeae	NE	GI	GJ	(Jadeja, Odedra, and Odedra 2006)
Amaranthus polygamus, L.	Amaranthaceae	NI	GD	TN	(Range and Nadu 2017)
Amaranthus spinosus L.	Amaranthaceae	NE	UG, GI, OI, F, DD, OD, PI	GJ, Kar, K, M TN	(Punjani 2010)(Kalaiselvan and Gopalan 2014)(Pradheeps and Poyyamoli 2013)(Deepthy and Ab 2014)(Khairnar and Gadekar 2019)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Saranraj, Bhavani, and Suganthi 2016)(Shanmugam, Rajendran, and Suresh 2012)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Arts and Reserved 2021)(Shinde 2021) (KUMAR 2015)(J. Prakash, Ayyanar, and Sekar 2011) (Parinitha et al. 2004)(Silja, Varma, and Mohanan 2008) (Aiwale et al. 2022) (Desale et al. 2013) (Chandanshive et al. 2022) (Arts and Reserved 2021)
Amaranthus tricolor L.	Amaranthaceae	NE	GD	TN	(Shanmugam, Rajendran, and Suresh 2012)
Amaranthus viridis L.	amaranthaceae	NE	GI, PI, DD, OT, OI	M, Kar, TN,K	(Jain et al. 2010)(Pradheeps and Poyyamoli 2013)(Deepthy and Ab 2014)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Saranraj, Bhavani, and Suganthi 2016)(International 2010)
Ammannia baccifera L.,	Lythraceae	LC	PI, OT, UG	GJ, TN	(Shah, Sheth, and Parabia 2011)(Vijayashalini et al. 2017)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)
Zingiber zerumbet (L.) Roscoe ex Sm.	Zingiberaceae	NE	GI	TN	(Rehamn and Sultana 2013)
Amorphophallus commutatus (Schott) Engl., Monogr. Phan	Araceae	EN	DD, GI, RD,	M, TN	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Desale et al. 2013)(Ramanathan et al. 2014)
Amorphophallus paeoniifolius (Dennst.) Nicolson	Araceae	NE	RD, GI, OT, GD, PI,	TN, K, Kar, G	(Ramanathan et al. 2014)(Rani et al. 2011)(Silja, Varma, and Mohanan 2008)(Upadhya et al. 2012) (Venkatachalapathi et al. 2018)(Rodrigues 2015)(Acharya et al., 2023)
Amorphophallus sylvaticus (Roxb.) Kunth	Araceae	NE	GD, RD, OT, PI, UD	TN	(S Sukumaran and Raj 2010)(Ramanathan et al. 2014)
Ampelocissus latifolia (Roxb.) Planch.	Vitaceae	NE	OI, GI, PB, PI, GD	GJ, M	(KUMAR 2015)(Patil and Patil 2005)
Ampelocissus tomentosa (B.Heyne & Roth) Planch.	Vitaceae	NE	OT, DD	TN	(Venkatachalapathi et al. 2018)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Anacardium occidentale L.	Anacardiaceae	NE	DD, GI, OD, RD, GD, HH, PI, OT	GJ, G, K Kar, M, TN	(Shah, Sheth, and Parabia 2011) (Naik, Puttaiah, and B 2014)(Bosco and Arumugam 2012) (Silambarasan et al. 2017) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Muniappan Ayyanar and Ignacimuthu 2011)(M Ayyanar 2016)(Silja, Varma, and Mohanan 2008) (Sahyadri 2012) (Selvamony Sukumaran et al. 2020)(Deepthy and Ab 2014)(Manikandan 2005)(Khairnar and Gadekar 2019)(Rodrigues 2015)(Naik, Puttaiah, and B 2014)(Srinivasan et al. 2022)(Acharya et al., 2023); (Acharya et al., 2023b)
Anagallis arvensis L.	Primulaceae	NE	F, OD, OT, PB	TN	(Ghats and Nadu 2017)(Vijayashalini et al. 2017)
Anamirta cocculus (L.) Wight & Arn.	Menispermaceae	NE	DD, GD, OI	K, TN	(Pillai et al. n.d.)(Augustine, Kr, and Pp 2010)(Chithra, Km, and Sp 2016)
Ananas comosus (L.) Merr.	Bromeliaceae	NE	DD, GD, STD, RD, GI	GJ, TN, G, Kar	(Shah, Sheth, and Parabia 2011)(Prabhu et al. 2021) (Rodrigues 2015)(Jeeva and Femila 2012)(Jadeja, Odedra, and Odedra 2006)(Selvamony Sukumaran et al. 2020)(Srinivasan et al. 2022)(Acharya et al., 2023)
Anaphalis beddomei Hook. f.	Asteraceae	EN , VU	F,RD, GI , PB, DD	TN, K	(Range and Nadu 2017)(Ghats and Nadu 2017)(Thirumurthy and Mol 2020)(J. W. Prakash et al. 2008)(Sulochana et al. 2015)(Rani et al. 2011)
*Anaphalis subdecurrens (*DC.) Gamble	Asteraceae	EN	F	TN	(Paulsamy et al. 2007)(Ghats 2019)
Anaphyllum wightii Schott	Araceae	EN	PB	K	(Vijayan et al. 2007)
Ancistrocladus heyneanus wall.ex Graham	Ancistrocladaceae	ENE	PI	TN	(Rani et al. 2011)
Andrographis affinis Nees.	Acanthaceae	EN	ND, PB, OI	TN	(Rehamn and Sultana 2015)(Ponnusamy, Arumugam, and Ariyan 2017)
Andrographis alata (Vahl) Nees	Acanthaceae	NE	PB, OI, F	TN	(Ponnusamy, Arumugam, and Ariyan 2017)(Kottaimuthu 2008)(Silambarasan et al. 2017)
Andrographis echioides (L.f.) Nees	Acanthaceae	NE	F, HH, PI, PB, GI	TN	(Umapriya et al. 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Afr et al. 2009)(Biosci and Alagesaboopathi 2012)(Samy and Ignacimuthu 2000)
Andrographis lobelioides (Wall.) Wight	Acanthaceae	NI	OI, PB	TN	(Ponnusamy, Arumugam, and Ariyan 2017)
Andrographis neesiana	Acanthaceae	EN	GD DD, OI, F	TN	(Ponnusamy, Arumugam, and Ariyan 2017)
Andrographis ovata (T.Anderson ex Bedd.) Benth. & Hook.f	Acanthaceae	EN	OI, PB	TN	(Biosci and Alagesaboopathi 2012)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Andrographis paniculata (Burm.f.) Nees	Acanthaceae	NE	D, F, HH, PB, OI, DD, GD, GI, C, VD, RD, IH	TN, K G,M GJ, Kar	(Prabhu et al. 2021) (Jeeva and Femila 2012) (Silambarasan et al. 2017)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Sulochana et al. 2015) (Venkatachalapathi et al. 2018)(Jeyam, Subhashini, and Jeyam n.d.)(Profile 2012)(Revathi 2010)(Bosco and Arumugam 2012)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(Umapriya et al. 2011)(Ganesan, Suresh, and Kesaven 2004)(J. W. Prakash et al. 2008)(Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)(Shiragave 2015)(Range and Nadu 2017)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017) (Kalaiselvan and Gopalan 2014)(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2013)(Rani et al. 2011)(Durairaj, Kamaraj, and Senthil 2012)(Ignacimuthu and Ayyanar 2006) (Muthu et al. 2006)(Vikneshwaran, Viji, and Lakshmi 2008)(Khairnar and Gadekar 2019)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Tahsil 2021)(Arts and Reserved 2021)(Thekkan and Arts 2017)(Rodrigues 2015)(Naik, Puttaiah, and B 2014)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Onkar 2016)(Circle 2014) (Parthiban et al. 2016) (Maru and Patel 2012)(Srinivasan et al. 2022)(Acharya et al., 2023b)
Andrographis producta Gamble.	Acanthaceae	EN	DD	TN	(Ponnusamy, Arumugam, and Ariyan 2017)
Andrographis serpyllifolia (Vahl) Wight	Acanthaceae	EN	PB, OI	Kar, TN	(Pradheeps and Poyyamoli 2013)(Ponnusamy, Arumugam, and Ariyan 2017)
Andrographis stellulata C.B.Clarke	Acanthaceae	EN	PB, F, OI	TN	(Ponnusamy, Arumugam, and Ariyan 2017)
Andrographis stenophylla C.B.Clarke	Acanthaceae	EN	F, PB	TN	(Ponnusamy, Arumugam, and Ariyan 2017)
Andropogon muricatus	Poaceaea	NI	PI, DD	TN	(Francis et al. 2014)
Andropogon pumilus Roxb.	Poaceaea	NE	ND	TN	(Rehamn and Sultana 2015)
Anemone rivularis Buch Ham	Ranunculaceae	NI	PI, HH, F	TN	(Paulsamy et al. 2007)
Anethum graveolens L	Apiaceae		OT, GD, DD	G, GJ, K	(Rodrigues 2015) (Atel and Atel 2012) (Atel and Atel 2012)(Deepthy and Ab 2014)
Angiopteris evecta (G. Forst.) Hoffm.	Marattiaceae	NE	GI, PI, DD	W.G	(Benjamin and Manickam 2007)
Anisochilus carnosus (L.f.) Wall.	Lamiaceae	NE	GI, DD, RD VD	M, TN	(Kamble et al. 2008)(Kottaimuthu 2008)(Ganesan, Suresh, and Kesaven 2004)(Ignacimuthu and Ayyanar 2006)(Manikandan 2005)(Ramachandran, Joseph, and Aruna 2009)(Srinivasan et al. 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Anisochilus scaber Benth	Lamiaceae	EN	OT	TN	(Francis et al. 2014)
Anisomeles indica (L.) Kuntze	Lamiaceaea	NE	UG, PI, DD, PB, C, F,	GJ, TN	(Punjani 2010)(Sutha et al. 2010)(Kalaichelvi and Dhivya 2017)(Ghats and Nadu 2017)(Afr et al. 2009)
Anisomeles malabarica (L.) R.Br. ex Sims	Lamiaceae	NE	RD, F, GI, PI, PB,	TN	(S Sukumaran and Raj 2010) (Sutha et al. 2010) (Francis et al. 2014)(Range and Nadu 2017)(Jaganathan et al. 2016)(Kalaichelvi and Dhivya 2017)(Rani et al. 2011)(Natarajan et al. 2013)(Ignacimuthu and Ayyanar 2006)(Afr et al. 2009)(Rehamn and Sultana 2015)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Jeeva and Femila 2012) (Venkatachalapathi et al. 2018)
Annona muricata L.	Annonaceae	NE	C	TN, Kar	(Silambarasan et al. 2017)(Acharya et al., 2023)
Annona reticulata L.	Annonaceae	NE	GI, OT,	TN, G	(Sathyavathi and Janardhanan 2014)(Afr et al. 2009)(Rodrigues 2015)(Aiwale et al. 2022)
Annona squamosa L	Annonaceae	NE	GI, PI, GD, HH, OI, VD, RD, DD	GJ, Kar, TN, M, K	(Mownika, Sharmila, and Ramya 2021)(Atel and Atel 2012) (Mitaliya, Patel, and Dodia 2003)(Silja, Varma, and Mohanan 2008) (Ghatapanadi, Johnson, and Rajasab 2011) (Sahyadri 2012) (Selvamony Sukumaran et al. 2020)(Sakarkar, Sakarkaf, and Sakarkar 2004) (Maru and Patel 2012)(Atel and Atel 2012) (Ed 2014)(Aadhan and Anand 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Manikandan 2005)(Devi 2012)(Silambarasan et al. 2017) (Pushpakarani and Natarajan 2014)
Anogeissus latifolia (Roxb. ex DC.) Wall. ex Guillem. & Perr.	Combretaceae	NE	UG, PI, ED, RD, GI, OD	GJ, M TN,K, kar	(Punjani 2010)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Tahsil 2021)(Forest 2015) (I and Kumar 2004) (KUMAR 2015)(Natarajan and Paulsen 2000)(Circle 2014)(Kamble et al. 2008) (Jain et al. 2010)(J. Prakash, Ayyanar, and Sekar 2011)(Patil and Patil 2005)(Pradheeps and Poyyamoli 2013)(Mathews 2013)
Anogeissus acuminata (Roxb. ex DC.) Wall. ex Guillem. & Perr.	Combretaceae	NE	GI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Anogeissus sericea var. nummularia King ex Duthie,	Combretaceae	NE	GI	GJ	(Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008)
Anona muricata, L.	Annonaceae	NE	C, RD	TN	(Ghats and Nadu 2017)
Neanotis monosperma (Wight & Arn.) W.H.Lewis	Rubiaceae	NE	PB	TN	(Ayyanar and Ignacimuthu 2005)
Breonia chinensis (Lam.) Capuron	Rubiaceae	NE	UG, PI	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Antidesma acidum Retz.	Euphorbiaceae	NE	PI	TN, Kar	(Jothi, Benniamin, and Manickam 2008) (Upadhya et al. 2012)
Antidesma alexiteria L.	Euphorbiaceae	NE	PB	TN	(Jothi, Benniamin, and Manickam 2008)
Antidesma bunius (L.) Spreng.	Euphorbiaceae	NE	PI, GI	TN	(Jothi, Benniamin, and Manickam 2008)(Nadu 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Antigonon leptopus Hook. & Arn.	Polygonaceae	NE	C	TN	(Venkatachalapathi et al. 2018)
Aphanamixis polystachya (Wall.) R.Parker	Meliaceae	NE	DD	TN	(Kottaimuthu 2008)
Apium graveolens L.	Apiaceae	NI	GI	M	(Kamble et al. 2008)
Apluda mutica var. aristata (L.) Hack. ex K.Backer	Poaceae	NE	ND .	TN	(Rehamn and Sultana 2015)
Apluda mutica L.	poaceae	NE	VD	K, GJ	(Nair 2015)(Dhivya, S M 2016)(Ed 2014)
Aponogeton natans (L.) Engl. & K.Krause	Aponogetonaceae	LC	PI, HH	TN	(Yasothkumar 2021)(Shanmugam et al. 2021)(J. Prakash, Ayyanar, and Sekar 2011)(Suresh et al. 2016)
Aporosa cardiosperma (Gaertn.) Merr.	Phyllanthaceae	NE	PB, OT, F, HH	Kar , TN	(Sahyadri 2012)(Jothi, Benniamin, and Manickam 2008)(Yogeesh and Krishnakumar 2022)
Areca catechu L	Arecaceae	NE	OT, PI, OI, GI, PB, UG, GD, OD, DD, ENT	TN, K , Kar,	(Muniappan Ayyanar and Ignacimuthu 2011)(M Ayyanar 2016)(Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)(Jaganathan et al. 2016)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Harsha 2004)(Manikandan 2005)(Harsha et al. 2002) (Jeeva and Femila 2012)(Prabhu et al. 2021)(Acharya et al., 2023)
Arenga wightii Griff.	Arecaceae	EN, VU	GD	K	(Augustine, Kr, and Pp 2010)
Argemone mexicana L.	Papaveraceae	NE	DD, F, OI, HH, OI, PI, PB, GD, RD, ENT, UG	TN, Kar, M	(Tahsil 2021)(Shanmugam, Rajendran, and Suresh 2012) (Jain et al. 2010) (J. Prakash, Ayyanar, and Sekar 2011)(Umapriya et al. 2011)(Parinitha et al. 2004)(Prashantkumar and Vidyasagar 2008) (Ghatapanadi, Johnson, and Rajasab 2011) (Desale et al. 2013) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Rani et al. 2011)(Durairaj, Kamaraj, and Senthil 2012)(Vikneshwaran, Viji, and Lakshmi 2008)(Afr et al. 2009)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Jeyam, Subhashini, and Jeyam n.d.) (Revathi 2010)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Aiwale et al. 2022)
Argyreia cuneata, Willdex Ker-Gawl.	Convolvulaceae	EN	PI, PB, GI, D	TN	(Mownika, Sharmila, and Ramya 2021)(Ghats and Nadu 2017)
Argyreia cymosa (Roxb.) Sweet	Convolvulaceae	NE	PI	TN	(Dhivya, S M 2016)
Argyreia nervosa (Burm. f.) Bojer	Convolvulaceae	NE	UG, PI, DD	GJ, M TN	(Punjani 2010)(Somkuwar, Chaudhary, and Chaturvedi 2013) (Ed 2014)(Jeyam, Subhashini, and Jeyam n.d.)
Argyreia pomacea Wall. ex Choisy,	Convolvulaceae	EN	OI	TN	(Ghats and Nadu 2017)
Argyreia sericea Dalzell	Convolvulaceae	EN	GD	M	(Desale et al. 2013)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Argyreia nervosa (Burm. f.) Bojer	Convolvulaceae	NE	F, HH, GI, PI	kar, TN, M	(Pradheeps and Poyyamoli 2013)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Tahsil 2021)
Arisaema leschenaultii Blume	Araceae	EN	PB, VD, PB, GD	TN, Kar	(Paulsamy et al. 2007)(Pradheeps and Poyyamoli 2013)
Arisaema tortuosum (Wall.) Schott	Araceae	NE	PB, VD, GD	TN, GJ	(Paulsamy et al. 2007)(Gavali and Sharma 2004)
Aristida setacea Retz.	Poaceae	NE	OT, PI	K, TN	(Nair 2015)(Dhivya, S M 2016)(M Ayyanar 2016)
Aristolochia bracteolata Lam.	Aristolochiaceae	NE	VD, D, GI, PB, ENT, DD, PI, RD, F, HH,	TN,M, K	(Parthiban et al. 2016)(Prabhu et al. 2021)(Arts and Reserved 2021)(Shinde 2021)(Yasothkumar 2021)(J. Prakash, Ayyanar, and Sekar 2011)(Soman 2011)(Umapriya et al. 2011)(Silja, Varma, and Mohanan 2008)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Kalaiselvan and Gopalan 2014)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Sankaranarayanan et al. 2010) (Afr et al. 2009)(Devi 2012) (Biosci and Alagesaboopathi 2012) (Jeyam, Subhashini, and Jeyam n.d.) (Silambarasan et al. 2017) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Venkatachalapathi et al. 2018)(Chandanshive et al. 2022)
Aristolochia indica L	Aristolochiaceae	NE	DD, PB, GD, GI, PI, D, UG, ENT, F, OI, OT	Kar, TN, K,	(Harsha et al. 2003)(Shanmugam, Rajendran, and Suresh 2012)(Kottaimuthu 2008)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(Vijayashalini et al. 2017)(Area 2010)(Vijayan et al. 2007) (Silja, Varma, and Mohanan 2008) (Francis et al. 2014) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Nadu and Nadu 2019)(Deepthy and Ab 2014)(Durairaj, Kamaraj, and Senthil 2012)(Harsha 2004)(Vikneshwaran, Viji, and Lakshmi 2008)(Afr et al. 2009)(Rehamn and Sultana 2015)(Dhivya, S M 2016)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Jeyam, Subhashini, and Jeyam n.d.)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Sulochana et al. 2015) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018) (Pillai et al. n.d.)(Arts and Reserved 2021)(Dahariya et al. 2020) (Acharya et al., 2023b); (Acharya et al., 2023)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Aristolochia krisagathra Sivar. & Pradeep	Aristolochiaceae	EN	PB, PI	K, TN	(M Ayyanar and Ignacimuthu 2005) (Sutha et al. 2010) (Rani et al. 2011)
Aristolochia tagala Cham	Aristolochiaceae	NE	PB, GI	K	(Area 2010)(Francis et al. 2014) (Silambarasan et al. 2017) (Francis et al. 2014) (Sulochana et al. 2015) (Chithra, Km, and Sp 2016)
Artemisia annua L	Asteraceae	NI	OI	TN	(Thekkan and Arts 2017)
Artemisia nilagirica (C.B.Clarke) Pamp.	Asteraceae	NE	PI, GI, D, DD, RD	TN, K	(Thekkan and Arts 2017)(Silja, Varma, and Mohanan 2008)
Artemisia japonica Thunb.	Asteraceae	NE	GI	G	(Rodrigues 2015)
Artemisia vulgaris L.	Asteraceae	NE	OT, DD, PI	M	(Khairnar and Gadekar 2019)
Senna hirsuta (L.) H.S.Irwin & Barneby	Fabaceae	NE	PI, GD, RD, DD, OI, PB	G, Kar, TN, K	(Naik, Puttaiah, and B 2014) (Bhat, Mulgund, and Bhat 2019) (Francis et al. 2014) (Kottaimuthu 2008) (International 2010) (Parinitha et al. 2004) (Silja, Varma, and Mohanan 2008)
Artocarpus heterophyllus Lam.	Moraceae	NE	RD, F, GI, PB, DD, ENT, OD	TN M, GJ	(Vijayashalini et al. 2017) (Kalaichelvi and Dhivya 2017) (Rehamn and Sultana 2015) (Circle 2014) (Francis et al. 2014) (Venkatachalapathi et al. 2018) (Shah, Sheth, and Parabia 2012) (Kalaiselvan and Gopalan 2014) (Khairnar and Gadekar 2019) (Patil and Patil 2005) (Selvamony Sukumaran et al. 2020)
Artocarpus lacucha Buch.-Ham.	Moraceae	LC	DD, VD	TN,Kar, G	(S Sukumaran and Raj 2010) (Sahyadri 2012) (Naik, Puttaiah, and B 2014)
Arundinella leptochloa (Steud.) Hook.f.	Poaceae	NE	ID	G	(Naik, Puttaiah, and B 2014)
Arundinella mesophylla Nees ex Steud.	Poaceae	EN	F	TN	(Dhivya, S M 2016)
Arundo donax L.	Poaceae	LC	GI, VD, ENT, PI	M, GJ	(Tahsil 2021) (Maina, Kumar, and Prasad 2016)
Argyreia nervosa (Burm. f.) Bojer	Convolvulaceae	NE	OI	GJ	(Maru and Patel 2012)
Ascelpias curassavica L.	Apocynaceae	NE	C, GD	TN	(Chithra, Km, and Sp 2016) (Vijayashalini et al. 2017)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Asparagus racemosus Willd.	Asparagaceae	NE	D, PI, ND, GD, UG, GD, PB, RD, STD, F, HH	TN,K,G, M, kar GJ,	(Mownika, Sharmila, and Ramya 2021) (Thirumurthy and Mol 2020)(Kottaimuthu 2008)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(International 2010)(Soman 2011)(Area 2010)(Parinitha et al. 2004)(Ganesan, Suresh, and Kesaven 2004)(Silja, Varma, and Mohanan 2008) (Desale et al. 2013) (Selvamony Sukumaran et al. 2020)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Tahsil 2021)(Pillai et al. n.d.)(Arts and Reserved 2021) (I and Kumar 2004) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu.pdf n.d.) (Shah, Sheth, and Parabia 2012) (KUMAR 2015)(Harsha et al. 2002)(Rodrigues 2015)(Naik, Puttaiah, and B 2014)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Circle 2014) (Jain et al. 2010) (Parthiban et al. 2016) (Jeyam, Subhashini, and Jeyam n.d.) (Revathi 2010)(Jeeva and Femila 2012) (Mutheeswaran et al. 2011) (Upadhya et al. 2012) (Pushpakarani and Natarajan 2014) (Paulsamy et al. 2007)(Range and Nadu 2017)(Chithra, Km, and Sp 2016) (Aadhan and Anand 2017)(Ramanathan et al. 2014)(Rehamn and Sultana 2013)(Ignacimuthu and Ayyanar 2006)(Mathews 2013)(Sankaranarayanan et al. 2010)(Khairnar and Gadekar 2019)(Hosamani et al. 2012)(Rehamn and Sultana 2015)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Srinivasan et al. 2022)(Aiwale et al. 2022)(Acharya et al., 2023b)
Aspidopterys cordata (B.Heyne ex Wall.) A.Juss.	Malpighiaceae	EN	ED	M	(Natarajan and Paulsen 2000)
Asplenium nidus Linn.	Aspleniaceae	NI	F, OI, CVD, RD	W.G	(Benjamin and Manickam 2007)
Asplenium polyodon G. Forst.	Aspleniaceae	NE	GD, C	W.G	(Benjamin and Manickam 2007)
Hygrophila auriculata (Schumach.) Heine	Acanthaceae	LC	UG, PI, F, GD, OI	Kar, M	(Harsha 2004)(Tahsil 2021)
Hydnocarpus macrocarpa Warb.	Flacourtiaceae	EN, VU	HH	TN	(S Sukumaran and Raj 2010)
Asystasia gangetica (L.) T.Anderson	Acanthaceae	NE	PB, DD, OD, PI, OT, GI	TN, Kar	(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Jeyam, Subhashini, and Jeyam n.d.) (Venkatachalapathi et al. 2018)(Ignacimuthu and Ayyanar 2006)(Muthu et al. 2006)(Devi 2012)(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012)(Acharya et al., 2023)
Asystasia travancorica Bedd.	Acanthaceae	EN	PI	TN	(Sutha et al. 2010)(Rani et al. 2011)
Atalantia racemosa Wight. et Arn	Rutaceae	NE	F, DD	Kar	(Harsha et al. 2002)
Atalantia monophylla DC.	Rutaceae	NE	PI, OT, RD, PB	TN	(S Sukumaran and Raj 2010) (Francis et al. 2014)(Mownika, Sharmila, and Ramya 2021)(Venkatachalapathi et al. 2018)(Muniappan Ayyanar and Ignacimuthu 2011)(Kottaimuthu 2008)(Vijayashalini et al. 2017)(Arts and Reserved 2021)(Sankaranarayanan et al. 2010)(Dhivya, S M 2016)(Devi 2012)(Ghats and Nadu 2017)(Nadu 2022)(Srinivasan et al. 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Atlantia racemose	Rutaceae	NE	DD, OT, PI	TN	(S Sukumaran and Raj 2010)
Atriplex hortensis L.	Amaranthaceae	NI	GI	M	(Shiragave 2015)
Cajanus scarabaeoides (L.)Thouars	Fabaceae	LC	ID	G, TN	(Naik, Puttaiah, and B 2014)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Naik, Puttaiah, and B 2014)
Atylosia volubilis	Fabaceae	NE	GI	M	(Jain et al. 2010)
Averrhoa bilimbi L.	Oxalidaceae	NE	DD, OT	TN, G	(Francis et al. 2014)(Naik, Puttaiah, and B 2014)
Averrhoa carambola L.	Oxalidaceae	NE	GI	GJ	(Jadeja, Odedra, and Odedra 2006)
Avicennia marina (Forssk.) Vierh.	Acanthaceae	LC	GD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Axonopus compressus (Sw.) P.Beauv.	Poaceae	NI	OT	K	(Nair 2015)
Ayapana triplinervis (Vahl) R.M.King & H.Rob.	Asteraceae	VU	PI,RD	K, Kar	(Deepthy and Ab 2014)(Acharya et al., 2023)
Azadirachta indica A.Juss.	Meliaceae	NE	HH, VD, OI, DD, F, ED, D, ND, PI, GD, GI	M, GJ, TN, Kar, K	(Sakarkar, Sakarkaf, and Sakarkar 2004) (Parthiban et al. 2016)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Tahsil 2021)(Pillai et al. n.d.)(Arts and Reserved 2021) (Mitaliya, Patel, and Dodia 2003)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Afr et al. 2009)(Devi 2012)(Jeyam, Subhashini, and Jeyam n.d.) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Venkatachalapathi et al. 2018)(Muniappan Ayyanar and Ignacimuthu 2011)(Prabhu et al. 2021)(Mownika, Sharmila, and Ramya 2021)(Circle 2014) (Jain et al. 2010) (Sakarkar, Sakarkaf, and Sakarkar 2004) (Parthiban et al. 2016) (Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Tahsil 2021)(Pillai et al. n.d.)(Arts and Reserved 2021)(Forest 2015) (I and Kumar 2004)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Ethnobotany_of_Little_Rann_of_Kachchh_Gu.pdf n.d.) (KUMAR 2015) (Mitaliya, Patel, and Dodia 2003) (Jadeja, Odedra, and Odedra 2006)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(International 2010)(Umapriya et al. 2011)(Prashantkumar and Vidyasagar 2008)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Sutha et al. 2010) (Desale et al. 2013) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Jaganathan et al. 2016)(Jadhav 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Vikneshwaran, Viji, and Lakshmi 2008)(Afr et al. 2009)(Khairnar and Gadekar 2019)(Dhivya, S M 2016)(Devi 2012)(Chandanshive et al. 2022)(Srinivasan et al. 2022)(Aiwale et al. 2022)
Azima tetracantha Lam.	Salvadoraceae	NE	RD, PI, DD, GD	TN	(Shanmugam, Rajendran, and Suresh 2012)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Jeyam, Subhashini, and Jeyam n.d.) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011)(Range and Nadu 2017)(Vikneshwaran, Viji, and Lakshmi 2008)(Devi 2012)(Revathi 2010)(Srinivasan et al. 2022)
Baccaurea courtallensis (Wight) Müll.Arg	Phyllanthaceae	EN , NT	GI	TN	(Jothi, Benniamin, and Manickam 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Bacopa monnieri (L.) Pennell	Plantaginaceae	LC	ND, GI, RD, PI, HH	K, TN, M	(Kottaimuthu 2008)(Silja, Varma, and Mohanan 2008) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Tahsil 2021)(Pillai et al. n.d.)(Chithra, Km, and Sp 2016)(Rehamn and Sultana 2013)(Rani et al. 2011)(Vikneshwaran, Viji, and Lakshmi 2008)(Sakarkar, Sakarkaf, and Sakarkar 2004) (Chandanshive et al. 2022)
Balanites roxburghii Planch	Zygophyllaceae	NE	HH , OT, RD, DD, OI, F, PI	M, GJ Kar, TN	(Sakarkar, Sakarkaf, and Sakarkar 2004) (Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Tahsil 2021) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.) (Mitaliya, Patel, and Dodia 2003)(Shah, Sheth, and Parabia 2011)(Ghatapanadi, Johnson, and Rajasab 2011)(Onkar 2016)(Rehamn and Sultana 2015) (Chandanshive et al. 2022)
Balanophora indica (Arn.) Griff.	Balanophoraceae	NE	DD,	TN	(Ignacimuthu and Ayyanar 2006)(Devi 2012)(Ganesan, Suresh, and Kesaven 2004)
Baliospermum solanifolium (Burm.) Suresh	Euphorbiaceae	NE	GI, VD,	K GJ, Kar, TN	(Area 2010) (Maina, Kumar, and Prasad 2016)(Upadhya et al. 2012)
Bambusa bambos (L.) Voss	Poaceae	NE	GI, DD, RD, OI, PI, VD, GI, HD	M, GJ, TN, Kar,	(Shinde 2021) (Shah, Sheth, and Parabia 2012) (KUMAR 2015)(Prabhu et al. 2021)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(Umapriya et al. 2011)(Parinitha et al. 2004) (Sahyadri 2012)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Rehamn and Sultana 2013)(Acharya et al., 2023), (Jenipher and Ayyanar 2022)
Bambusa vulgaris Schrad.	Poaceae	NE	OT, GI	G, TN	(Naik, Puttaiah, and B 2014) (Arts and Reserved 2021)
Barleria prionitis L	Acanthaceae	NE	PI, OD, HH, GI, RD, OI, F, GD, DD	GJ, TN,M, Kar,	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Arts and Reserved 2021)(I and Kumar 2004) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.)(Shah, Sheth, and Parabia 2011)(Mownika, Sharmila, and Ramya 2021)(Sankaranarayanan et al. 2010)(Khairnar and Gadekar 2019)(Dhivya, S M 2016)(Devi 2012)(Pushpakarani and Natarajan 2014)(Somkuwar, Chaudhary, and Chaturvedi 2013) (J. Prakash, Ayyanar, and Sekar 2011) (Ghatapanadi, Johnson, and Rajasab 2011)(Chandanshive et al. 2022)
Barleria acuminata Nees	Acanthaceae	EN	OI, F, RD, OD, ND, PI	TN	(Ghats and Nadu 2017)(Dhivya, S M 2016)(Vijayashalini et al. 2017)
Barleria buxifolia L	Acanthaceae	EN	D, RD, OD, PI, GI	TN, kar	(Nadu and Nadu 2019)(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2015)
Barleria cristata L.,	Acanthaceae	NE	GI, OD, PI	TN, M	(J. Prakash, Ayyanar, and Sekar 2011)(Shiragave 2015)(Chithra, Km, and Sp 2016)(Nadu 2022)
Barleria gibsonii Dalzell	acanthaceae	NE	GI	M	(Kamble et al. 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Barleria mysorensis, Heyne ex roth.	Acanthaceae	NE	OI, F, RD	TN	(Range and Nadu 2017)
Barleria nitida Nees	Acanthaceae	EN	PI, OD	TN	(Rehamn and Sultana 2015)
Barleria prattensis Santapau	Acanthaceae	NE	PB, GI, OT,	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Basella alba	Basellaceae	NE	OI, C, RD, F, GI, PB, ED, GD	TN,Kar, M	(Saranraj, Bhavani, and Suganthi 2016) (Ghatapanadi, Johnson, and Rajasab 2011)(Shiragave 2015)(Kalaiselvan and Gopalan 2014)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Dhivya, S M 2016)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Harsha et al. 2003)(Venkatachalapathi et al. 2018)(Manikandan 2005)(Acharya et al., 2023)
Bauhinia racemosa Lam	Fabaceae	NE	PB, UG , GI, OD	M, TN	(Srinivasan et al. 2022)
Bauhinia acuminata L	Fabaceae	LC	OI, DD, UG	K	(Aswathi and Abdussalam 2021)(Silja, Varma, and Mohanan 2008)
Bauhinia foveolata Dalzell	Fabaceae	EN	GD	M	(Natarajan and Paulsen 2000)
Bauhinia malabarica Roxb.	Fabaceae	NE	ED, VD	K	(Aswathi and Abdussalam 2021)
Bauhinia purpurea L	Fabaceae	LC	GI, PI, F, PB, ENT , OI	TN, GJ M , K	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Pushpakarani and Natarajan 2014)(I and Kumar 2004) (KUMAR 2015)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Natarajan and Paulsen 2000)(Mathews 2013)(Aswathi and Abdussalam 2021)(Aiwale et al. 2022)
Bauhinia retusa L	Fabaceae		F	TN	(Devi 2012)(Revathi 2010)
Bauhinia tomentosa L.	Fabaceae	NE	GI, PI	TN	(Natarajan et al. 2013)(Revathi 2010)(Jenipher and Ayyanar 2022)
Bauhinia variegata (L.) Benth	Fabaceae	NE	PI, DD, GI	TN, K	(Shanmugam et al. 2021)(Aswathi and Abdussalam (Manikandan 2005)(Devi 2012)(Pushpakarani and Natarajan 2014)(Suresh et al. 2016)
Begonia crenata Dryand	Begoniaceae	EN	GI	M	(Kamble et al. 2008)
Begonia malabarica Lam	Begoniaceae	NE	ENT, GI, OI, UG, PI	TN, K	(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(Ganesan, Suresh, and Kesaven 2004)(Vijayan et al. 2007) (Sutha et al. 2010) (Francis et al. 2014)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Venkatachalapathi et al. 2018)(M Ayyanar 2016)
Begonia subpeltata Wight	Begoniaceae	NE	GI	TN	(Rani et al. 2011)
Justicia plumbaginifolia	Acanthaceae	NI	DD	K	(Deepthy and Ab 2014)
Blepharis integrifolia (L.f.) E.Mey. & Drège ex Schinz	Acanthaceae	NE	PI	TN	(Jeyam, Subhashini, and Jeyam n.d.)
Benincasa hispida (Thunb.) Cogn.	Cucurbitaceae	NE	RD, GI, STD, D	TN G, K, Kar	(Rehamn and Sultana 2015)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010)(Rodrigues 2015)(Prabhu et al. 2021) (Acharya et al., 2023)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Benkara malabarica,(Lam.) Tirreng.	Rubiaceae	NE	PI, ENT	TN	(Ghats and Nadu 2017)
Berberis aristata DC	Berberidaceae	NI	PI, GI	M, GJ	(Jain et al. 2010)(Jadeja, Odedra, and Odedra 2006)
Berberis tinctoria Lesch	Berberidaceae	NE	POI, GI, OD	TN	(Sathyavathi and Janardhanan 2014)
Bergia ammannioides Roxb. ex Roth	Elatinaceae	NE	DD, PI	TN	(Rehamn and Sultana 2015)(Shanmugam et al. 2021)(Suresh et al. 2016)
Bergia capensis L.	Elatinaceae	NE	C	GJ	(Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.)
Beta vulgaris L.	Amaranthaceae	NE	PI, OI ,ENT	GJ, TN	(Shah, Sheth, and Parabia 2011)(Ramanathan et al. 2014)
Piper betle L.	Piperaceae	NE	PI	TN	(International 2010)
Bidens pilosa L	Asteraceae	NE	GI, RD, OI, PI, UG	TN	(Ayyanar and Ignacimuthu 2005) (Paulsamy et al. 2007)(Vijayashalini et al. 2017)(Ghats 2019)
Bidens triplenarvia HBK. var. macrantha Wedd.	Asteraceae	NI	PI	TN	(Ramachandran, Joseph, and Aruna 2009)(Jeyam, Subhashini, and Jeyam n.d.)
Biophytum sensitivum (L.) DC.	Oxalidaceae	NE	VD, PB, ND, PI, D, OI, C, DD, GD	TN, GJ, K, M	(M Ayyanar and Ignacimuthu 2005)(Ayyanar and Ignacimuthu 2005)(Rehamn and Sultana 2015)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Thirumurthy and Mol 2020)(Vijayashalini et al. 2017)(Area 2010)(Silja, Varma, and Mohanan 2008)(Selvamony Sukumaran et al. 2020) (Jeeva and Femila 2012) (Francis et al. 2014) (Pushpakarani and Natarajan 2014) (Paulsamy et al. 2007) (Rehamn and Sultana 2013) (Rani et al. 2011) (Chandanshive et al. 2022)
Bischofia javanica Blume	Phyllanthaceae	NE	OD, ED, ND, HH	TN	(Jothi, Benniamin, and Manickam 2008)(Ignacimuthu and Ayyanar 2006)(Ignacimuthu and Ayyanar 2006)(Devi 2012)
Bixa orellana L	Bixaceae	NE	PI, PB	K, G	(Deepthy and Ab 2014)(Rodrigues 2015)
*Blachia umbellata (*Willd.)	Euphorbiaceae	NE	PI	TN	(Mownika, Sharmila, and Ramya 2021)(Jenipher and Ayyanar 2022)
Blainvillea acmella (L.) Philipson	Asteraceae	NE	PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Blainvillea latifolia D.C.	Asteraceae	NE	GD, DD	TN	(Vijayashalini et al. 2017)(Dhivya, S M 2016)
Blechnum orientale Linn.	Blechnaceae	NE	UG, OI, GI	W.G	(Benjamin and Manickam 2007)
Blepharis maderaspatensis (L.) B.Heyne ex Roth	Acanthaceae	NE	PI, RD, ENT,UG, GD, ND	TN	(Range and Nadu 2017)(Ghats and Nadu 2017)(Rehamn and Sultana 2015)(Vijayashalini et al. 2017)
Blepharis integrifolia (L.f.) E.Mey. & Drège ex Schinz	Acanthaceae	NE	D, UG, PI	GJ, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Upadhya et al. 2012)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Blepharis maderaspatensis (L.) B.Heyne ex Roth	Acanthaceae	NE	PI, ED, UG, PI, NDTN	GJ	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(J. Prakash, Ayyanar, and Sekar 2011)(M Ayyanar 2016)(Ganesan, Suresh, and Kesaven 2004)(Selvamony Sukumaran et al. 2020)(Rehamn and Sultana 2013)(Rani et al. 2011)(Ignacimuthu and Ayyanar 2006) (Devi 2012)
Blepharispermum petiolare DC.	Asteraceae	NE	PB, PI	TN	(M Ayyanar and Ignacimuthu 2005)(Jenipher and Ayyanar 2022)
Blumea lacera (Burm.f.*)* DC.	Asteraceae	NE	OI, GI, PI, OD	GJ, M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Khairnar and Gadekar 2019)(Natarajan and Paulsen 2000)
Blumea lanceolaria (Roxb.) Druce	Asteraceae	NE	PI	Kar	(Bhat, Mulgund, and Bhat 2019)
Boerhavia diffusa L.,	Nyctaginaceae	LC	UG, DD, RD, OI, PI, GI, D, OI, GD, F, ED, HH	GJ, TN K, M, Kar	(Punjani 2010)(Prabhu et al. 2021) (Range and Nadu 2017)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Rani et al. 2011)(Muthu et al. 2006)(Vikneshwaran, Viji, and Lakshmi 2008)(Sankaranarayanan et al. 2010)(Afr et al. 2009)(Rehamn and Sultana 2015)(Ramachandran, Joseph, and Aruna 2009)(Devi 2012)(Naik, Puttaiah, and B 2014)(Pillai et al. n.d.)(Shinde 2021) (KUMAR 2015)(Shanmugam, Rajendran, and Suresh 2012) (Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Jeeva and Femila 2012)(Area 2010)(Silja, Varma, and Mohanan 2008)(Ghatapanadi, Johnson, and Rajasab 2011) (Desale et al. 2013) (Francis et al. 2014) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Chandanshive et al. 2022)(Aiwale et al. 2022)
Boerhavia plumbaginea Cav.	Nyctaginaceae	NE	F, GI, DD, PB, PI, RD, RD, OD,GD, STD	TN, GJ	(Range and Nadu 2017)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Ethnobotany_of_Little_Rann_of_Kachch h_Gu.pdf n.d.) (Maru and Patel 2012)(Sankaranarayanan et al. 2010)(Devi 2012)
Boerhavia erecta L.	Nyctaginaceae	NE	RD	TN	(Shanmugam, Rajendran, and Suresh 2012)
Bombax ceiba L.	Malvaceae	NE	OT, RD, GI, PI, GD, VD, D, PB, ID, STD, ENT	GJ, TN, M,	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Arts and Reserved 2021)(Shinde 2021)(Forest 2015)(Forest 2015) (I and Kumar 2004) (KUMAR 2015)(International 2010) (Silja, Varma, and Mohanan 2008)(Punjani 2010)(Shah, Sheth, and Parabia 2011)(Aadhan and Anand 2017)(Khairnar and Gadekar 2019) (Devi 2012)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Tetali et al. 2009)(Haveli 2011) (J. Prakash, Ayyanar, and Sekar 2011)(Selvamony Sukumaran et al. 2020)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Borassus flabellifer L.	Arecaceae	EN	DD, PI, ED, ND, PI	TN, GJ, Kar	(Jaganathan et al. 2016)(Ramanathan et al. 2014)(Jeyam, Subhashini, and Jeyam n.d.)(International 2010)(No 2014)(Srinivasan et al. 2022)(Acharya et al., 2023); (Acharya et al., 2023b)
Spermacoce hispida L.	Rubiaceae	NE	ND, PI	TN	(Rehamn and Sultana 2015)(Nadu 2022)
*Spermacoce ocymoides Burm.*f.	Rubiaceae	NE	PI, DD	TN	(Ayyanar and Ignacimuthu 2005)(Kalaichelvi and Dhivya 2017)
Boswellia serrata Roxb. ex Colebr	Burseraceae	EN	GI, DD, OI, ED, RD, PI	GJ, M, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Shinde 2021)(Forest 2015) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008)(No 2014) (Maru and Patel 2012)(Ignacimuthu and Ayyanar 2006)
Bothriochloa pertusa (L.) A.Camus	Poaceae	NE	HH, ND	TN	(Nair 2015)
Botrychium lanuginosum Wall. ex Hook. & Grev.	Ophioglossaceae	NE	GI, OI	W.G	(Benjamin and Manickam 2007)
Bougainvillea spectabilis Willd	Nyctaginaceae	NI	OI GI, F, RD	TN	(Afr et al. 2009)
Brachiaria ramosa (L.) Stapf	Poaceae	LC	OT	TN	(Nair 2015)
Brachiaria reptans (L.) C.A.Gardner & C.E.Hubb.	Poaceae	NE	OT, PB, GI, UG	M, TN	(Khairnar and Gadekar 2019)(Dhivya, S M 2016)
Brassica rapa L.	Brassicaceae	NI	HH	M GJ	(Sakarkar, Sakarkaf, and Sakarkar 2004)(Mitaliya, Patel, and Dodia 2003)
Brassica juncea (L.) *Czern.*	Brassicaceae	NE	RD, D, GI, PI, F, HH, ED	M, GJ , Kar, TN	(Tahsil 2021) (Shah, Sheth, and Parabia 2012)(International 2010)(Selvamony Sukumaran et al. 2020)(Pradheeps and Poyyamoli 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Manikandan 2005)(Saranraj, Bhavani, and Suganthi 2016)(Silambarasan et al. 2017)(Nadu 2022)(Acharya et al., 2023b)
Brassica oleracea L.	Brassicaceae	DD	OI, GI, DD, UG	GJ, TN	(Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Ramanathan et al. 2014)
Breynia retusa (Dennst.) Alston	Phyllanthaceae	NE	OI, ED	M, TN	(Natarajan and Paulsen 2000)(Jothi, Benniamin, and Manickam 2008)
Breynia vitis-idaea (Burm.f.) C.E.C.Fisch.	Phyllanthaceae	NE	PI, GD, ED, DD, OD,PB	TN, Kar, K	(Thirumurthy and Mol 2020)(Jothi, Benniamin, and Manickam 2008)(Acharya et al., 2023b),(Acharya et al., 2023)
*Bridelia retusa (*L.) A.Juss	Phyllanthaceae	NE	PI, ID, PB, ND	G, Kar, GJ, TN,	(Naik, Puttaiah, and B 2014)(Bhat, Mulgund, and Bhat 2019)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004)(M Ayyanar and Ignacimuthu 2005)(Jothi, Benniamin, and Manickam 2008)(Ayyanar and Ignacimuthu 2005)
Bridelia stipularis (L.) Blume	Phyllanthaceae	NE	RD, OI, PI, OD	K, TN, Kar	(Thirumurthy and Mol 2020)(Area 2010)(Rani et al. 2011)(Upadhya et al. 2012)(Area 2010)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Diplocyclos palmatus (L.) C.Jeffrey	Cucurbitaceae	NE	OI, PI, C, F, PB, GD, DD	TN, M M, Kar	(Vijayashalini et al. 2017)(Chandanshive et al. 2022) (Soman 2011) (Ghatapanadi, Johnson, and Rajasab 2011)
Bryophyllum pinnatum (Lam.) Oken	Crassulaceae	NE	PI, PB, UG, GD	TN	(Chithra, Km, and Sp 2016)(Rehamn and Sultana 2013)(Manikandan 2005)(Dhivya, S M 2016)(Arts and Reserved 2021)
Buchanania cochinchinensis (Lour.) M.R.Almeida	Anacardiaceae	NE	PI, F, DD, HH	kar, TN, GJ, G, M	(Prashantkumar and Vidyasagar 2008)(Pushpakarani and Natarajan 2014)(Rodrigues 2015) (No 2014)(Naik, Puttaiah, and B 2014)(Jain et al. 2010)(Yogeesh and Krishnakumar 2022)
Buddleja asiatica Lour.	Scrophulariaceae	NE	DD	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Bulbophyllum acutiflorum A.Rich.	Orchidaceae	EN, R	GD	TN	(Rani et al. 2011)
Bulbophyllum fuscopurpureum Wight	Orchidaceae	EN	DD	TN	(Silambarasan et al. 2017)
Butea superba Roxb.	Fabaceae	NE	PI, PB	GJ	(Gavali and Sharma 2004)
Cadaba fruticosa (L.) Druce	Capparaceae	NE	UG, RD, PI, PB, GI, GD, STD, OI,	GJ, TN	(Punjani 2010)(Mownika, Sharmila, and Ramya 2021)(Sankaranarayanan et al. 2010)(Devi 2012)(Afr et al. 2009)(Rehamn and Sultana 2015)
Cadaba trifoliata Wight & Arn	Capparaceae	EN	PI, OI	TN, M	(Ghats and Nadu 2017)(Rani et al. 2011)
Caesalpinia coriaria (Jacq.) Willd.	Fabaceae	NE	GI, OI	K, TN	(Aswathi and Abdussalam 2021)(Vijayashalini et al. 2017)
Caesalpinia mimosoides Lam.	Fabaceae	NE	PI	K	(Aswathi and Abdussalam 2021)
caesalpinia pulcherrima (L.) Sw.	Fabaceae	NE	D, F, PI,	TN, M	(Aadhan and Anand 2017)(Chandanshive et al. 2022)
Caesalpinia sappan L	Fabaceae	NI	GD, GI, DD	TN	(Vijayashalini et al. 2017)
Caesulia axillaris Roxb.	Asteraceae	LC	OT, RD, HH	M	(Natarajan and Paulsen 2000)(Shiragave 2015)
Cajanus cajan (L.) Huth	Fabaceae	NE	D, RD	GJ, TN	(I and Kumar 2004)(Aadhan and Anand 2017)(International 2010) 27)
Cajanus scarabaeoides (L.)Thouars	Fabaceae	LC	GI	K	(Aswathi and Abdussalam 2021)
Calamus rotang L.	Arecaceae	NE	C	G	(Naik, Puttaiah, and B 2014)
Calanthe sylvatica (Thouars) Lindl.	Orchidaceae	NE	PI, DD, GI	TN	(Rani et al. 2011)(Biosci and Alagesaboopathi 2012)
Calendula officinalis L.	Asteraceae	NE	PB	TN	(Perumal, Maung, and Gopalakrishnakone 2008)
Calyptocarpus vialis Less.	Asteraceae	NE	F, GI	TN	(Ghats and Nadu 2017)
Calophyllum inophyllum L.	Clusiaceae	LC	DD, HH, ENT, PI, STD, ED, PI,	G, TN, Kar	(Naik, Puttaiah, and B 2014)(Muniappan Ayyanar and Ignacimuthu 2011)(Rani et al. 2011)(Afr et al. 2009)(Devi 2012)(Jeeva and Femila 2012)(Sankaranarayanan et al. 2010)(Acharya et al., 2023b)
Calophyllum apetalum Willd.	Clusiaceae	NI	OI, UG	G, Kar	(Naik, Puttaiah, and B 2014)(Acharya et al., 2023)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Calotropis procera (Aiton) W. T. Aiton	Apocynaceae	NE	OI, PI, GI, OD, PB, HH, RD, DD, UG, GD	M,Kar, TN GJ	(Jain et al. 2010) (Upadhya et al. 2012) (Venkatachalapathi et al. 2018)(Shah, Sheth, and Parabia 2011)(Shiragave 2015), (Range and Nadu 2017)(Natarajan et al. 2013)(Waman and Khyade 2015)(Afr et al. 2009)(Khairnar and Gadekar 2019)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Arts and Reserved 2021) (Yasothkumar 2021) (Jadeja, Odedra, and Odedra 2006)(Dahariya et al. 2020)(Chandanshive et al. 2022)(Aiwale et al. 2022)
Getonia floribunda	Combretaceae	NE	PB, OI, GI, DD, PI, OD, F	G, M, TN, K	(Rodrigues 2015)(Naik, Puttaiah, and B 2014)(Natarajan and Paulsen 2000)(Francis et al. 2014)(Pillai et al. n.d.)(Chithra, Km, and Sp 2016)(Deepthy and Ab 2014)(Rani et al. 2011)(Rehamn and Sultana 2015)
Canarium strictum Roxb.	Burseraceae	NE	PI, HH, OI	TN	(Jeyam, Subhashini, and Jeyam n.d.) (Silambarasan et al. 2017) (Venkatachalapathi et al. 2018)(Mohan et al. 2008) (Francis et al. 2014)
Canavalia ensiformis (L.) DC.	Fabaceae	NE	OT, GI	GJ, TN	(Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.)(Rehamn and Sultana 2015)
Canavalia gladiata (Jacq.)DC.	Fabaceae	NE	GI	TN	(Mohan et al. 2008)
Canna indica L.	Cannaceae	NE	STD, UG, GI, D	TN	(Prabhu et al. 2021)(Chithra, Km, and Sp 2016)(Kalaiselvan and Gopalan 2014)(Afr et al. 2009)(Manikandan 2005)(Arts and Reserved 2021)
Cannabis sativa L.	Cannabaceae	NE	GI, PI, RD,CVD, D, GD, DD, F	TN, GJ, M	(Arts and Reserved 2021) (Jadeja, Odedra, and Odedra 2006)(Vijayashalini et al. 2017)(Chandanshive et al. 2022)(Aiwale et al. 2022)
Canscora diffusa (Vahl) R.Br. ex Roem. & Schult.	Gentianaceae	NE	F, ND, DD, OI, PI	GJ, M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Patil and Patil 2005)
Cansjera rheedei J.F.Gmel.	Opiliaceae	NE	PB, RD, HH	TN, GJ	(M Ayyanar and Ignacimuthu 2005)(Naik, Puttaiah, and B 2014)
Canthium coromandelicum (Burm.f.) Alston	Rubiaceae	NI	F, GI, UG, PI	TN, kar	(Ghats and Nadu 2017)(Kalaiselvan and Gopalan 2014)(Pradheeps and Poyyamoli 2013)(Vikneshwaran, Viji, and Lakshmi 2008)
Psydrax dicoccos var. dicoccos	Rubiaceae	VU	PB, GI, F, PI	TN, Kar	(Venkatachalapathi et al. 2018)(Pradheeps and Poyyamoli 2013)(Dhivya, S M 2016)(Devi 2012)
Canthium coromandelicum (Burm.f.) Alston	Rubiaceae	NE	PI, GI, GD, OT, CVD	TN	(Ghats and Nadu 2017)(Rehamn and Sultana 2013)(Rani et al. 2011)(Dhivya, S M 2016)
Capparis decidua (Forssk.) Edgew.	Capparaceae	NE	CVD, RD, GI,PI, OD, DD	GJ, M, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Jadeja, Odedra, and Odedra 2006)(Desale et al. 2013)(Chandanshive et al. 2022)(Aiwale et al. 2022)
Capparis diversifolia Wight & Arn	Capparaceae	VU, EN	RD, PI, D, OD, PB	TN	(Mownika, Sharmila, and Ramya 2021)(Range and Nadu 2017)(Ghats and Nadu 2017)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Capparis grandiflora Wall. ex Hook.f. & Thomson	Capparaceae	EN	GI, PI, C,CVD	TN, GJ	(Mownika, Sharmila, and Ramya 2021)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Capparis sepiaria L.	Capparaceae	NE	GI, DD, PI, HH	GJ, TN, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008)(Kalaichelvi and Dhivya 2017)(Kalaiselvan and Gopalan 2014)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Dhivya, S M 2016)(Devi 2012)(Vijayashalini et al. 2017) (Jeyam, Subhashini, and Jeyam n.d.) (Revathi 2010)
Capparis divaricata Lam.	Capparaceae	NE	ND, PI	TN	(Rehamn and Sultana 2015)(Aiwale et al. 2022)
Capparis zeylanica L.	Capparaceae	NE	PI, GI, UG, ENT, OD, GI, OI, RD	GJ, M, TN, Kar,	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Tahsil 2021)(Shinde 2021)(Naik, Puttaiah, and B 2014)(Circle 2014)(Tetali et al. 2009)(Vijayashalini et al. 2017) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Range and Nadu 2017) (Kalaiselvan and Gopalan 2014) (Pradheeps and Poyyamoli 2013) (Muthu et al. 2006)
Capsicum annuum L. var. annuum	Solanaceae	NE	GD, OT,D, PI, OD, ENT, HH	TN, K, Kar	(Muniappan Ayyanar and Ignacimuthu 2011)(Vijayan et al. 2007)(Arts and Reserved 2021)(Francis et al. 2014)(Jayakumar et al. 2010) (Sutha et al. 2010) (Selvamony Sukumaran et al. 2020)(Jeeva and Femila 2012)(Rani et al. 2011)(Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022)
Caralluma adscendens var. fimbriata (Wall.) Gravely & Mayur.	Apocynaceae	EN	DD, PB, CVD, UG, D	TN, M	(Vijayashalini et al. 2017) (Francis et al. 2014)(Shinde 2021)(Silambarasan et al. 2017)
Caralluma adscendens var. attenuata (Wight) Gravely & Mayur.	Apocynaceae	NE	RD, OT	TN	(J. Prakash, Ayyanar, and Sekar 2011)(Rehamn and Sultana 2015)
Caralluma bicolor Ramach, S. Joseph, H. A. John & C. Sofiya	Apocynaceae	EN	PI, OT	TN	(Range and Nadu 2017)(Kalaiselvan and Gopalan 2014)
Caralluma umbellata Haw.	Apocynaceae	NE	GI	TN	(Kalaiselvan and Gopalan 2014)
Cardamine africana L.	Brassicaceae	NE	DD	TN	(Paulsamy et al. 2007)
Cardiospermum corindum L.	Sapindaceae	NE	GI, PI	TN	(Silambarasan et al. 2017)(Circle 2014)(Vikneshwaran, Viji, and Lakshmi 2008)(Rehamn and Sultana 2015)(Jeyam, Subhashini, and Jeyam n.d.) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018) (Kottaimuthu 2008) (Vijayashalini et al. 2017)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Careya arborea Roxb	Lecythidaceae	NE	OI, PB, RD, GI, GD, DD, ENT, PI, VD	GJ, M, Kar, TN, G,	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Naik, Puttaiah, and B 2014)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Harsha 2004)(Bhat, Mulgund, and Bhat 2019)(Khairnar and Gadekar 2019)(Vijayashalini et al. 2017)(Parinitha et al. 2004) (Sahyadri 2012)(Acharya et al., 2023)
Carica papaya L	Caricaceae	NE	DD, GI, GD, F, OD, PB, ED, OI	GJ, TN, M, G, Kar, K	(Shah, Sheth, and Parabia 2011)(Prabhu et al. 2021) (Muniappan Ayyanar and Ignacimuthu 2011)(Umapriya et al. 2011)(Silja, Varma, and Mohanan 2008) (Desale et al. 2013) (27)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Afr et al. 2009)(Manikandan 2005)(Devi 2012)(Rodrigues 2015) (Jain et al. 2010) (Atel and Atel 2012)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Upadhya et al. 2012)(Arts and Reserved 2021)(Atel and Atel 2012) (Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Srinivasan et al. 2022)
Carissa carandas L.	Apocynaceae	NE	UG, PI, D, PB	G, GJ, TN	(Naik, Puttaiah, and B 2014)(KUMAR 2015)(Muniappan Ayyanar and Ignacimuthu 2011)(Ghats and Nadu 2017)(Rani et al. 2011)(Devi 2012)
Carissa spinarum L.	Apocynaceae	EN	DD, UG, PB, PI, OT	M, TN , GJ, G	(Waman and Khyade 2015)(Khairnar and Gadekar 2019)(Sathyavathi and Janardhanan 2014)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Ghats and Nadu 2017)(Rehamn and Sultana 2015)(Rodrigues 2015)
Ehretia microphylla Lam	Boraginaceae	NE	OD, GD, PI	TN	(Ayyanar and Ignacimuthu 2005)(Ghats and Nadu 2017) (Rani et al. 2011)(Ignacimuthu and Ayyanar 2006)(Devi 2012)
Trachyspermum ammi (L.) Sprague	Apiaceae	NE	GI, C, PI, GD, OT	TN, Kar	(Prabhu et al. 2021)(Acharya et al., 2023b)
Carum carvi L	Apiaceae	NI	RD , GI	TN, M	(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Khairnar and Gadekar 2019)
Caryatia pedata (Lour.) A.L Juss	Vitaceae	VU	OI, C, OT	TN	(Dhivya, S M 2016)
Caryota urens	Arecaceae	NE	RD, F, GI, ND, PI, HH, PI, OD, DD	TN, M, Kar	(Prabhu et al. 2021)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Ayyanar and Ignacimuthu 2005)(Vijayashalini et al. 2017) (Sahyadri 2012) (27)
Casearia esculenta Roxb	Salicaceae	NE	GI, D, OT	G, GJ	(Naik, Puttaiah, and B 2014)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
*Cascabela thevetia (*L.) Lippold	Apocynaceae	NE	VD, DD, PI, CVD	TN, Kar	(Ghats and Nadu 2017)(Harsha et al. 2003)(Kalaichelvi and Dhivya 2017)(Vijayashalini et al. 2017)(Parinitha et al. 2004)
Casearia graveolens Dalzell	Salicaceae	NE	GI, PB	GJ, M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Natarajan and Paulsen 2000)(Khairnar and Gadekar 2019)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Casearia tomentosa Roxb.	Salicaceae	NE	PI, GI	GJ, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Upadhya et al. 2012)
Casearia elliptica Wild.	Salicaceae	NE	GI, OT	GJ	(KUMAR 2015)
Caesalpinia decapetala (Roth) Alston	Fabaceae	NE	F	TN	(Ganesan, Suresh, and Kesaven 2004)
Chamaecrista absus (L.) H.S.Irwin & Barneby	Fabaceae	LC	GI, RD, DD, PB, HH, PI	GJ, TN	(Jeyam, Subhashini, and Jeyam n.d.)(Jadeja, Odedra, and Odedra 2006)(Ghats and Nadu 2017)(Muthu et al. 2006)(Dhivya, S M 2016)(Devi 2012)
Senna alata (L.) Roxb	Fabaceae	NE	DD, PB, OI, GD	TN	(Rani et al. 2011)(Durairaj, Kamaraj, and Senthil 2012)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Sripathi and Sankari 2010)(Devi 2012)(Perumal, Maung, and Gopalakrishnakone 2008)(Muniappan Ayyanar and Ignacimuthu 2011)
Senna alexandrina Mill.	Fabaceae	NE	GI, DD	TN, M	(Jaganathan et al. 2016)(Devi 2012)(Tahsil 2021)
Senna auriculata (L.) Roxb.	Fabaceae	NE	ED, DD, VD, PI, F, GD, UG, D	M, GJ TN, Kar	(Samy and Ignacimuthu 2000) (Parthiban et al. 2016) (Arts and Reserved 2021)(Shinde 2021)(Ethnobotany_of_Little_Rann_of_Kachch h_Gu.pdf n.d.) (Jadeja, Odedra, and Odedra 2006)(J. Prakash, Ayyanar, and Sekar 2011)(Vijayashalini et al. 2017)(International 2010)(Umapriya et al. 2011) (Ghatapanadi, Johnson, and Rajasab 2011)(Jeyam, Subhashini, and Jeyam n.d.)(Profile 2012)(Bosco and Arumugam 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Venkatachalapathi et al. 2018)(Prabhu et al. 2021)(Range and Nadu 2017)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Natarajan et al. 2013) (Muthu et al. 2006)(Vikneshwaran, Viji, and Lakshmi 2008)(Afr et al. 2009)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Dhivya, S M 2016)(Devi 2012)(Chandanshive et al. 2022)(Aiwale et al. 2022)
Senna hirsuta (L.) H.S.Irwin & Barneby	Fabaceae	NE	F, PI, GI	M, TN	(Onkar 2016)(Revathi 2010)
Senna italica Mill.	Fabaceae	NE	OI, C, RD, GI,	GJ, TN	(Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.)(Vijayashalini et al. 2017) (Francis et al. 2014)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(J. Prakash, Ayyanar, and Sekar 2011)(Vijayashalini et al. 2017)(Ghats and Nadu 2017)
Chamaecrista kleinii (Wight & Arn.) V.Singh	Fabaceae	NE	PI	TN	(Rani et al. 2011)
Chamaecrista leschenaultiana (DC.) Degener	Fabaceae	NE	GI, RD, F, GI, DD	TN	(Ghats and Nadu 2017)
Cassia obovata	Fabaceae	NI	GI, DD	TN	(Jeyam, Subhashini, and Jeyam n.d.)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Senna occidentalis (L.) Link	Fabaceae	NE	GI, ENT, RD, F, D PI, DD	TN, GJ, Kar, M, K	(Samy and Ignacimuthu 2000)(Circle 2014)(Shah, Sheth, and Parabia 2011)(Aswathi and Abdussalam 2021)(Mownika, Sharmila, and Ramya 2021)(Range and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Muthu et al. 2006)(Khairnar and Gadekar 2019)(Devi 2012)(Jeyam, Subhashini, and Jeyam n.d.)
Cassia senna Linn.	Fabaceae		GI, PI, OT	TN, Kar	(International 2010) (Ghatapanadi, Johnson, and Rajasab 2011)
Senna sophera (L.) Roxb.	Fabaceae	NE	RD	TN	(Range and Nadu 2017)
Carissa spinarum L.	Fabaceae	EN	OD, OT	TN	(Venkatachalapathi et al. 2018)
Senna multiglandulosa (Jacq.) H.S.Irwin & Barneby	Fabaceae	NE	OI, PI	TN	(Range and Nadu 2017)(Ghats and Nadu 2017)
Cassine albens (Retz.) Kosterm.	Celastraceae	NE	HH, DD, PB	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Elaeodendron glaucum (Rottb.) Pers	Celastraceae	NE	F, PI	TN, GJ	(Kalaichelvi and Dhivya 2017)(KUMAR 2015)
Cassytha filiformis L	Lauraceae	NE	HH, PI, ED, DD	GJ, TN	(Gavali and Sharma 2004) (Rehamn and Sultana 2015)(Rehamn and Sultana 2013)
Casuarina equisetifolia J.R.& Forst	Casuarinaceae	NE	DD, GI	Kar, G	(Harsha et al. 2003)(Naik, Puttaiah, and B 2014)
Catharanthus pusillus (Murray) G.Don	Apocynaceae	NE	F, D, RD, PI	M, TN	(Waman and Khyade 2015)(Dhivya, S M 2016)
Catharanthus roseus (L.) G.Don	Apocynaceae	NE	HH, F, D, PI, PB, C, DD, GI	TN, G, K, Kar,	(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Nadu and Nadu 2019)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Waman and Khyade 2015)(Muthu et al. 2006)(Vikneshwaran, Viji, and Lakshmi 2008)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Rodrigues 2015)(Mohan et al. 2008) (International 2010)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (27)(Jeeva and Femila 2012) (Mutheeswaran et al. 2011)
Cayratia pedata (Lam.) A. Juss. Ex Gagnep	Vitaceae	NE	OI, GI, OT, PI	TN	(Ghats 2019) (Jeyam, Subhashini, and Jeyam n.d.)(Ayyanar and Ignacimuthu 2005) (Paulsamy et al. 2007)(Jenipher and Ayyanar 2022)
Ceasalpinia mimosoides Lam.	Fabaceae	NE	ND	K	(Silja, Varma, and Mohanan 2008)
Cedrus deodara (Roxb. ex Lamb.) G.Don	Pinaceae	NI	D	K	(Jayakumar et al. 2010)
Ceiba pentandra (L.) Gaertn.	Malvaceae	NE		TN	(Ramachandran, Joseph, and Aruna 2009)
Celastrus paniculatus Willd	Celastraceae	NE	OT, ND, OI, GD, PI, RD, HH, F D, UG	M, K, Kar, GJ, TN	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Shiragave 2015)(Mathews 2013)(Harsha 2004)(Tahsil 2021) (KUMAR 2015)(Kottaimuthu 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Celmatis triloba Heyne ex Roth	Ranunculaceae	NI	HH, DD	M	(Shinde 2021)
Celome viscosa L.	Cleomaceae	NE	ENT	TN	(Jeeva and Femila 2012)
Celosia argentea L.	Amaranthaceae	NE	UG, GI, ED, OD, PB, PI, GD, PB, STD	GJ, M, TN, Kar,	(Punjani 2010)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Yasothkumar 2021)(I and Kumar 2004) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.)(Nadu and Nadu 2019)(Pradheeps and Poyyamoli 2013)(Khairnar and Gadekar 2019)(Saranraj, Bhavani, and Suganthi 2016)(Patil and Patil 2005)(Prashantkumar and Vidyasagar 2008)(Desale et al. 2013)(Jain et al. 2010)(Chandanshive et al. 2022)(Aiwale et al. 2022)
Celosia polygonoides, Retz.	Amaranthaceae	NE	PI, HH, GI, PB, OI,OT	TN	(Range and Nadu 2017)
Celtis timorensis Span	Cannabaceae	NE	PI	TN	(Sathyavathi and Janardhanan 2014)
Celtis philippensis Blanco var. *wightii*	Cannabaceae	NE	GI, ND	kar, T N	(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2015)(Dhivya, S M 2016)
Cenchrus ciliaris L.	Poaceae	NE	GD, UG, C, PI	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Ghats and Nadu 2017)
Pennisetum pedicellatum Trin	Poaceae	NE	RD, OT	TN	(Nadu and Nadu 2019)
Centella asiatica	Apiaceae	LC	HH, ND, GI, DD, STD, D, F, RD, CVD, PI, GD, NS	K,TN, Kar, M,	(Thirumurthy and Mol 2020)(Muniappan Ayyanar and Ignacimuthu 2011)(Kottaimuthu 2008)(Ghats 2019)(Area 2010)(Parinitha et al. 2004)(Ganesan, Suresh, and Kesaven 2004)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (S Sukumaran and Raj 2010) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (27)(Thekkan and Arts 2017)(Samy and Ignacimuthu 2000)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Prabhu et al. 2021)(Jeyam, Subhashini, and Jeyam n.d.)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Francis et al. 2014) (Venkatachalapathi et al. 2018) (Paulsamy et al. 2007)(Shinde 2021) (Mitaliya, Patel, and Dodia 2003)(Range and Nadu 2017)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Ignacimuthu and Ayyanar 2006)(Mathews 2013)(Harsha 2004)(Afr et al. 2009)(Manikandan 2005)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Chandanshive et al. 2022)(Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022)
Baccharoides anthelmintica (L.) Moench	Asteraceae	NE	DD, PI, GI, GD, C, HH, PI	Kar, K	(Harsha et al. 2003)(Area 2010)(Harsha 2004)
Ceratopteris thalictroides (L.) Brongn.	Ceratopteridaceae	NE	DD	W.G	(Benjamin and Manickam 2007)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Selenicereus testudo (Karw. ex Zucc.) Buxb	Cactaceae	NI	OT, GI	TN	(Ghats and Nadu 2017)
Ceropegia candelabrum L.	Apocynaceae	NE	HH	TN	(Ignacimuthu and Ayyanar 2006)(Devi 2012)(Ayyanar and Ignacimuthu 2005)
Ceropegia hirsuta Wight & Arn.	Apocynaceae	NE	GI	M	(Kamble et al. 2008)
Ceropegia pusilla Wight & Arn.		EN	PB	TN	(Paulsamy et al. 2007)
Ceropegia spiralis Wight	Apocynaceae	EN	STD, OT	K, TN	(Thirumurthy and Mol 2020)(J. W. Prakash et al. 2008)
Chamaecrista absus (L.) H.S.Irwin & Barneby	Fabaceae	LC	ED, DD, GI, RD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
*Chamaecrista pumila (*Lam.) K.Larsen	Fabaceae	NE	GI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Chamaecrista mimosoides (L.) Greene	Fabaceae	LC	PI	TN	-27
Chassalia curviflora var. *ophioxyloides* (Wall.) Deb & B.Krishna	Rubiaceae	NE	PI, OI	K, TN, Kar	(Thirumurthy and Mol 2020)(M Ayyanar 2016)(J. W. Prakash et al. 2008)(Acharya et al., 2023b)
Cheilosoria tenuifolia (Burm. f.) Trev.	Pteridaceae	NE	OT	W.G	(Benjamin and Manickam 2007)
Chenopodium album L.	Amaranthaceae	NE	PI, GI DD	GJ, TN, Kar, M	(Jadeja, Odedra, and Odedra 2006)(Parinitha et al. 2004)(Manikandan 2005) (Chandanshive et al. 2022) (Aiwale et al. 2022)
Dysphania ambrosioides (L.) Mosyakin & Clemants	Amaranthaceae	NE	GI, RD, F, HH	TN	(Vijayashalini et al. 2017)
Chloris barbata Sw.	Poaceae	NE	DD, F, GI, D	TN	(Ghats and Nadu 2017)(Afr et al. 2009)
Chlorophytum tuberosum (Roxb.) Baker	Asparagaceae	LC	GD, OT, ND	GJ	(KUMAR 2015)
Chlorophytum borivilianum Santapau & R.R.Fern.	Asparagaceae	CR	GD	GJ M	(Gavali and Sharma 2004) (Khairnar and Gadekar 2019)
Chlorophytum laxum R.Br.	Asparagaceae	NE	PB, GI	K, TN	(Vijayan et al. 2007) (Rani et al. 2011)
Chloroxylon swietenia DC.	Rutaceae	VU	PI, PB, DD, OI, OD	TN, Kar	(Mownika, Sharmila, and Ramya 2021) (Jeyam, Subhashini, and Jeyam n.d.) (Pradheeps and Poyyamoli 2013) (Rehamn and Sultana 2015) (Ramachandran, Joseph, and Aruna 2009)
Corchorus depressus (L.) Stocks	Malvaceae	NE	PI	GJ	(Jadeja, Odedra, and Odedra 2006)
Corchorus aestuans L	Malvaceae	NE	F, PI	GJ	(KUMAR 2015) (Jadeja, Odedra, and Odedra 2006)
Corchorus capsularis L	Malvaceae	NE	ENT	GJ	(KUMAR 2015)
Cordia dichotoma G.Forst.	Boraginaceae	NE	UG	M	(Patil and Patil 2005)
Thelypteris parasitica (L.) Tardieu	Thelypteridaceae	NE	OI, PI	W.G	(Benjamin and Manickam 2007)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Chromolaena odorata (L.) R.M.King & H.Rob.	Asteraceae	NE	PI, DD, D, RD, GI, OI	TN, K	(Francis et al. 2014) (Venkatachalapathi et al. 2018)(Vijayashalini et al. 2017)(Ganesan, Suresh, and Kesaven 2004)(Vijayan et al. 2007)(Silja, Varma, and Mohanan 2008) 27)(Thekkan and Arts 2017)(Rodrigues 2015)(Circle 2014)
Chrozophora rottleri (Geiseler) A.Juss. ex Spreng.	Euphorbiaceae	NE	PI, VD	M	(Shinde 2021)
Chrysanthemum indicum L.	Asteraceae	NE	GI	G	(Rodrigues 2015)
Chrysopogon aciculatus (Retz.) Trin.	Poaceae	NE	OT, GI	K	(Nair 2015)
Chrysopogon fulvus (Spreng.) Chiov.	Poaceae	NE	RD, CVD	M	(Khairnar and Gadekar 2019)
Chrysopogon zizanioides (L.) Roberty	Poaceae	NE	OI, C, PB, GI	TN, K,	(Saranraj, Bhavani, and Suganthi 2016)(Sulochana et al. 2015)
Cicer arietinum L.	Fabaceae	NI	HH, GI, PI	GJ, M, Kar	(Mitaliya, Patel, and Dodia 2003)(Shah, Sheth, and Parabia 2011)(Kamble et al. 2008) (Sakarkar, Sakarkaf, and Sakarkar 2004)(Acharya et al., 2023)
Cichorium intybus L.	Asteraceae	NI	OI	TN GJ	(Saranraj, Bhavani, and Suganthi 2016) (Shah, Sheth, and Parabia 2012)
Cinnamomum verum J.Presl	Lauraceae	NE	OD, RD, GI, PB, ENT, GI, GD, PI	TN, K , M, Kar	(Area 2010) (Ganesan, Suresh, and Kesaven 2004)(Silja, Varma, and Mohanan 2008)(Prabhu et al. 2021)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Jaganathan et al. 2016)(Muthu et al. 2006)(Acharya et al., 2023b)
*Cinnamomum camphora (*L.) J.Presl	Lauraceae	NE	ENT, GI	TN, GJ	(Venkatachalapathi et al. 2018)(Jadeja, Odedra, and Odedra 2006)
Cinnamomum iners Reinw. ex Blume	Lauraceae	NI	GI	TN	(Circle 2014)
Cinnamomum malabatrum (Burm.f.) J.Presl	Lauraceae	EN	PI	TN	(Mownika, Sharmila, and Ramya 2021)
Cinnamomum tamala (Buch.-Ham.) T.Nees & Eberm.	Lauraceae	NE	C, PI	TN	(Silambarasan et al. 2017)
Cinnamomum wightii Meisn.	lauraceae	EN	OI, PI, VD, GI	Kar, TN,	(Harsha et al. 2002)(Dhivya, S M 2016)(Upadhya et al. 2012) (Pushpakarani and Natarajan 2014)
Cinnamomum verum J.Presl	Lauraceae	NE	DD, RD, PI, D , GI	GJ, TN, G	(Shah, Sheth, and Parabia 2011)(Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Jeeva and Femila 2012)(Naik, Puttaiah, and B 2014)
Cipadessa baccifera (Roth) Miq.	Meliaceae	NE	PB, GI, DD	TN	(Rani et al. 2011)(Devi 2012)(Ganesan, Suresh, and Kesaven 2004)(M Ayyanar and Ignacimuthu 2005)(Revathi 2010)(Ayyanar and Ignacimuthu 2005)(Ghats and Nadu 2017)(Ignacimuthu and Ayyanar 2006)(Devi 2012)(Kottaimuthu 2008)
Curcuma amada Roxb	Zingiberaceae	NE	ND, DD, PI	M, TN, Kar	(Tahsil 2021)(Arts and Reserved 2021)(Acharya et al., 2023b)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Curcuma neilgherrensis Wight	Zingiberaceae	EN	RD, OI	TN	(Arts and Reserved 2021)
Cissampelos hirsuta	menispermaceae	NI	GI	TN	(Francis et al. 2014)
Cissampelos pareira var. *hirsuta*	Menispermaceae	NE	GD, ID, GI, RD, PI, OI, PB, DD, UG, OT	G, M, TN, Kar, GJ, K	(Naik, Puttaiah, and B 2014)(Natarajan and Paulsen 2000)(Kamble et al. 2008)(Mownika, Sharmila, and Ramya 2021)(Range and Nadu 2017)(Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Mathews 2013)(Sankaranarayanan et al. 2010)(Devi 2012)(Mohan et al. 2008) (M Ayyanar 2016) (27)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004) (KUMAR 2015)(Punjani 2010)
Cissus quadrangularis L.	Vitaceae	NE	VD, GI, PI, GD, CVD, D, F, UG, C, RD, ENT	TN,, kar, GJ, M,	(Parthiban et al. 2016)(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016) (Range and Nadu 2017)(Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2013)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Muthu et al. 2006)(Rehamn and Sultana 2015)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)2021)(Mownika, Sharmila, and Ramya 2021)(Arts and Reserved 2021)(Shinde 2021)(Atel and Atel 2012)(Revathi 2010)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Upadhya et al. 2012) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Atel and Atel 2012)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(Soman 2011)(Umapriya et al. 2011)(Patil and Patil 2005) (S Sukumaran and Raj 2010) (Sutha et al. 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (27)(Prabhu et al.)(Nadu 2022)(Acharya et al., 2023b)
Cissus javana DC.	Vitaceae	NE	PI	K	(Silja, Varma, and Mohanan 2008)
Cissus hyneana (W&A)	Vitaceae	NI	OI	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Cissus repanda (Wight & Arn.) Vahl	Vitaceae	NE	PB, PI, DD	GJ, TN	(KUMAR 2015)(Ghats and Nadu 2017)
Cyphostemma setosum (Roxb.) Alston	Vitaceae	NE	PI, GI, OI	TN	(Rehamn and Sultana 2015) (Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012)
Cyphostemma trilobata (Lam.) M.R. Almeida	Vitaceae	NE	PI	TN	(Ayyanar and Ignacimuthu 2005)(Jenipher and Ayyanar 2022)
Cissus vitiginea L.	Vitaceae	NE	GI, PI	TN	(Kottaimuthu 2008)(Range and Nadu 2017)(Rehamn and Sultana 2015)
Cissus woodrowii (Stapf ex Cooke) Santapau	Vitaceaea	EN	PI	M	(Natarajan and Paulsen 2000)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Cistanche tubulosa (Schenk) Wight	Orobanchaceae	NI	GD, OI, GI, RD	GJ	(Salahuddin et al. 2013)
Citrullus colocynthis (L.) Schrad.	Curcubitaceae	NE	D, PB, GI, OI, PI, VD, GD, HH	TN GJ, M,	(Aadhan and Anand 2017)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Shanmugam, Rajendran, and Suresh 2012)(Kamble et al. 2008)(Atel and Atel 2012) (Tahsil 2021)(Shinde 2021) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008) (Gavali and Sharma 2004) (Jadeja, Odedra, and Odedra 2006)(Mownika, Sharmila, and Ramya 2021)(Atel and Atel 2012)(Jeyam, Subhashini, and Jeyam n.d.) (Silambarasan et al. 2017)(Chandanshive et al. 2022)(Srinivasan et al. 2022)(Aiwale et al. 2022)
Citrullus lanatus (Thunb.) Matsum. & Nakai,	Cucurbitaceae	NI	PI, OT, GI	TN	(J. Prakash, Ayyanar, and Sekar 2011)(Arts and Reserved 2021)(Rehamn and Sultana 2015)
Citrus limon (L.) Osbeck	Rutaceae	NI	RD GI, F, DD, PB, PI, OD, ENT, GI	GJ TN, Kar	(Shah, Sheth, and Parabia 2012)(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Shah, Sheth, and Parabia 2011)(Jeeva and Femila 2012)(Silambarasan et al. 2017) (Perumal, Maung, and Gopalakrishnakone 2008) (Upadhya et al. 2012) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(International 2010) 27)(Jadeja, Odedra, and Odedra 2006)(Srinivasan et al. 2022)(Acharya et al., 2023), (Yogeesh and Krishnakumar 2022); (Acharya et al., 2023b)
Citrus aurantiifolia (Christm.) Swingle	Rutaceae	NE	GI, HH, RD, DD, HH, F	TN, GJ, M,	(Muniappan Ayyanar and Ignacimuthu 2011) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011)(Shah, Sheth, and Parabia 2011)(Prabhu et al. 2021)(Muthu et al. 2006)(Kamble et al. 2008)
Citrus × *aurantium* L.	Rutaceae	NE	ENT, PI	K, GJ	(Thirumurthy and Mol 2020) (Jadeja, Odedra, and Odedra 2006)
Citrus medica L.	Rutaceae	NE	UG, F, GI, D	GJ, Kar, TN, G, M	and B 2014)(Chandanshive et al. 2022) (Punjani 2010)(Afr et al. 2009)(Naik, Puttaiah,
Clausena anisata (Willd.) Hook.f. ex Benth.	Rutaceae	NE	RD, PI	TN	(Mownika, Sharmila, and Ramya 2021)(Ignacimuthu and Ayyanar 2006)(Devi 2012)
Volkameria inermis L.,	Lamiaceae	NE	PI. DD	TN	(Jeeva and Femila 2012) (Venkatachalapathi et al. 2018)
Clematis gouriana Roxb. ex DC	Ranunculaceae	NE	F, PI, DD	TN, K	(Vijayashalini et al. 2017)(Silja, Varma, and Mohanan 2008)(Ghats and Nadu 2017)(Ignacimuthu and Ayyanar 2006)(Manikandan 2005)
Clematis heynei M.A.Rau & al.	Ranunculaceae	NE	DD, PI, PB, HH	M, GJ,	(Natarajan and Paulsen 2000)(KUMAR 2015)(Khairnar and Gadekar 2019)
Cleome aspera J.König ex DC.	Cleomaceae	NE	PI, D, DD	TN	(Venkatachalapathi et al. 2018)(Rehamn and Sultana 2015)(Thekkan and Arts 2017)
Cleome brachycarpa (Forssk.) Vahl ex DC.	Cleomaceae	NE	DD, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Cleome gynandra L.	Cleomaceae	NE	PI, ENT, GI, F, OD, ND	TN	(Shanmugam, Rajendran, and Suresh 2012)(J. Prakash, Ayyanar, and(Sankaranarayanan et al. 2010)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016) Sekar 2011)(Umapriya et al. 2011) (S Sukumaran and Raj 2010) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Silambarasan et al. 2017)(Srinivasan et al. 2022)
Cleome monophylla L.	Cleomaceae	NE	ENT, GI, PI, HH	TN	(Circle 2014)(Vijayashalini et al. 2017)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Venkatachalapathi et al. 2018)
Arivela viscosa (L.) Raf.	Cleomaceae	NI	DD, CVD, DD, C, ENT, PI, GI	GJ, M, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (6)(Shanmugam et al. 2021) (KUMAR 2015)(Rehamn and Sultana 2013)(Muthu et al. 2006)(Afr et al. 2009)(Dhivya, S M 2016)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(M Ayyanar 2016) (S Sukumaran and Raj 2010)(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012)
Rotheca serrata (L.) Steane & Mabb.	Lamiaceae	NE	F, HH, DD, PI, PB, OD, OT, PI	TN, M	(Mownika, Sharmila, and Ramya 2021)(Shiragave 2015) (Khairnar and Gadekar 2019)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Somkuwar, Chaudhary, and Chaturvedi 2013)
Clerodendrum inerme (L.) Gaertn.	Lamiaceae	NE	DD, PB, F, PI, OT	TN	(Mohan et al. 2008) (Rani et al. 2011)(Muthu et al. 2006)(Sripathi and Sankari 2010)
Clerodendrum infortunatum L.	Lamiaceae	NI	DD, GI, PI, D, PB, HH	TN, Kar, G,	(Francis et al. 2014)(Harsha et al. 2002)(Harsha et al. 2003)(Naik, Puttaiah, and B 2014)(Acharya et al., 2023), (Yogeesh and Krishnakumar 2022); (Acharya et al., 2023b)
Clerodendrum phlomidis L.f.	Lamiaceae	NE	VD, ED, GI, STD, ND, C, HH, PI	M, GJ, TN	(Jain et al. 2010)(Forest 2015) (Jadeja, Odedra, and Odedra 2006)(Rehamn and Sultana 2013)(Sankaranarayanan et al. 2010)(Devi 2012)(Mutheeswaran et al. 2011)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(J. Prakash, Ayyanar, and Sekar 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)
Clerodendrum infortunatum L.	Lamiaceae	NE	PI	K, TN	(Vijayan et al. 2007) (Rani et al. 2011)
Clitoria ternatea L.	Fabaceae	NE	GD, GI, HH, ND,, OT	M, Kar	(Tahsil 2021)(Acharya et al., 2023), (Yogeesh and Krishnakumar 2022)
Clinacanthus nutans (Burm.f.) Lindau	Acanthaceae	NI	PB	TN	(Perumal, Maung, and Gopalakrishnakone 2008)
Clinopodium umbrosum (M.Bieb.) Kuntze	Lamiaceae	NI	OI	TN	(Paulsamy et al. 2007)
*Plectranthus amboinicus (*Lour.) Spreng.	Lamiaceae	NE	HH, RD, ENT, PI, F	TN, M	(Jeeva and Femila 2012)(Nadu 2022)(Chandanshive et al. 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Coccinia grandis (L.) Voigt	Cucurbitaceae	NE	C,OI, UG, GD, OT, DD, HH, PI, D, ENT, OI, ED, GI, RD, VD, D, PB	TN, K, Kar, M, G, GJ	(Silambarasan et al. 2017) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Punjani 2010) (Muniappan Ayyanar and Ignacimuthu 2011) (Francis et al. 2014)(Mownika, Sharmila, and Ramya 2021) (J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008) (Silja, Varma, and Mohanan 2008)(Shanmugam, Rajendran, and Suresh 2012)(Rodrigues 2015)(Range and Nadu 2017)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Nadu and Nadu 2019)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Muthu et al. 2006)(Khairnar and Gadekar 2019)(Saranraj, Bhavani, and Suganthi 2016)(Parthiban et al. 2016)(International 2010)(Umapriya et al. 2011) (Jayakumar et al. 2010)(Prabhu et al. 2021)(Aadhan and Anand 2017)(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2013)(Chandanshive et al. 2022)(Aiwale et al. 2022)(Acharya et al., 2023b)
Anamirta cocculus (L.) Wight & Arn.	Menispermaceae	NE	PB, GI, F	K, M	(Sulochana et al. 2015)(Chandanshive et al. 2022)
Tinospora sinensis (Lour.) Merr.	Menispermaceae	NE	D, PI, IH, GD, GI, HH	TN, Kar	(Jaganathan et al. 2016), (Nadu 2022)(Acharya et al., 2023b),(Yogeesh and Krishnakumar 2022)
Cocculus hirsutus (L.) W.Theob.	Menispermaceae	NE	F, GI, UG, PI, DD, HH, PB	M, GJ, TN, Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Natarajan and Paulsen 2000) (Jain et al. 2010)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004) (KUMAR 2015)(Punjani 2010)(Desale et al. 2013)(Dhivya, S M 2016)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Revathi 2010) (Tetali et al. 2009) (Mutheeswaran et al. 2011)(Dahariya et al. 2020)
Cochlospermu m religiosum (L.) Alston	Bixaceae	NE	RD, GI	M	(Tahsil 2021)
Cocos nucifera L.	Arecaceae	NE	PI, RD, DD, GD, UG, GI, HH, IH	TN, kar, G, GJ, K,	(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Mutheeswaran et al. 2011)(Harsha et al. 2002)(Naik, Puttaiah, and B 2014)(Chithra, Km, and Sp 2016)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Manikandan 2005)(Shanmugam et al. 2021) (Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Suresh et al. 2016)(Acharya et al., 2023), (Yogeesh and Krishnakumar 2022)
Diploclisia glaucescens (Blume) Diels	Menispermaceae	NE	PI	G	(Naik, Puttaiah, and B 2014)
Codariocalyx motorius (Houtt.) H.Ohashi	Fabaceae	NE	PB, GI	TN	(Rehamn and Sultana 2013)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Psilanthus wightianus (Wall. ex Wight & Arn.) J.-F.Leroy	Rubiaceae	NE	UG	TN	(Rehamn and Sultana 2015)
Chionachne gigantea (J.Koenig) Veldkamp	Poaceae	NE	PI	M	(Khairnar and Gadekar 2019)
Coix lacryma-jobi L.	Poaceae	NE	C, F, D, PI	K,TN	(Nair 2015) (Chithra, Km, and Sp 2016)
Colocasia esculenta (L.) Schott	Araceae	LC	RD, PI, GI, ND, C, OI, HH, GD, F, ENT, PB, DD, UG	TN, M, GJ, G,	(Vijayashalini et al. 2017)(Ramanathan et al. 2014)(Shiragave 2015)(Shinde 2021) (Jadeja, Odedra, and Odedra 2006)(Rodrigues 2015)(Kottaimuthu 2008)(International 2010)(Ganesan, Suresh, and Kesaven 2004)(M Ayyanar and Ignacimuthu 2005)(Chandanshive et al. 2022)
Plectranthus amboinicus (Lour.) Spreng.	Lamiaceae	NE	UG	G	(Naik, Puttaiah, and B 2014)
Coldenia procumbens L.	Boraginaceae	NE	PI, GD	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Range and Nadu 2017)(Muthu et al. 2006)
Colebrookea oppositifolia Sm.	Lamiaceae	NE	PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Gavali and Sharma 2004)
Plectranthus amboinicus (Lour.) Spreng.	Lamiaceae	NE	F, DD, PI, RD, UG, HH	Kar, TN	(Sahyadri 2012)(Harsha et al. 2002)(Thekkan and Arts 2017)(Venkatachalapathi et al. 2018)(Ghatapanadi, Johnson, and Rajasab 2011)(Muthu et al. 2006) (Sankaranarayanan et al. 2010)
Coleus forskohlii (Willd.) Briq.	Lamiaceae	NE	OT, RD, F	TN	(Ramanathan et al. 2014)
Colocasia gigantia (Blume) Hook f	Araceae	NI	OT	TN	(Ramanathan et al. 2014)
Combretum roxburghii Spreng.	Combretaceae	NE	OI	TN	(Ghats and Nadu 2017)
Combretum indicum (L.) DeFilipps	Combretaceae	NE	PB	G	(Rodrigues 2015)
Combretum albidum G.Don	Combretaceae	NE	GD	M	(Onkar 2016)
Commelina forsskalii Vahl	Commelinaceae	NI	ED	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Commelina benghalensis L.	Commelinaceae	LC	OI, ED, DD, PI, GI, F ,UG, GD	TN, M, GJ, K,	(Range and Nadu 2017)(Nadu and Nadu 2019)(Rani et al. 2011)(Biosci and Alagesaboopathi 2012) (Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Punjani 2010)(Prabhu et al. 2021)(6)(Thirumurthy and Mol 2020)(Muniappan Ayyanar and Ignacimuthu 2011)(M Ayyanar 2016) (S Sukumaran and Raj 2010) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (27)(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012)(Silambarasan et al. 2017) (Mutheeswaran et al. 2011) (Chandanshive et al. 2022)(Venkatachalapathi et al. 2018)
Commelina clavata C.B.Clarke	Commelinaceae	LC	ED	TN	(Prabhu et al. 2021)
Commelina erecta L.	Commelinaceae	LC	DD	K	(Deepthy and Ab 2014)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Commiphora caudata (Wight & Arn.) Engl.	Burseraceae	NE	PI, F, OT	TN	(Silambarasan et al. 2017) (Venkatachalapathi et al. 2018)(Ghats and Nadu 2017)(Vijayashalini et al. 2017)
Commiphora wightii (Arn.) Bhandari	Burseraceae	DD	PB, GI, OI, PI, UG, GD	GJ, M	(Maru and Patel 2012)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shinde 2021)
Convolvulus prostratus Forssk.	Convolvulaceae	NI	OT, GI, D, F	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Corallocarpus epigaeus (Rottler) C.B.Clarke	Cucurbitaceae	NE	HH, DD, PB, PI, RD, GI, ED	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011)(Kottaimuthu 2008)(J. Prakash, Ayyanar, and Sekar 2011)(Thekkan and Arts 2017)(Rani et al. 2011)(Dhivya, S M 2016)
Corchorus aestuans L.	Malvaceae	NE	GI, DD, PI, F, C	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rehamn and Sultana 2015)(Thekkan and Arts 2017)
Corchorus capsularis L.	Malvaceae	NE	GI, F	TN	(Dhivya, S M 2016)
Corchorus depressus (L.) Stocks	Malvaceae	NE	OT	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Corchorus olitorius L	Malvaceae	NE	OT, GI, CVD, UG	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Thekkan and Arts 2017)
Corchorus tridens L.	Malvaceae	NE	OT	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rehamn and Sultana 2015)
Cordia sinensis Lam.	Boraginaceae	NE	D, PI, OI, GI	TN, GJ	(Vijayashalini et al. 2017)(Forest 2015)
Cordia monoica Roxb.	Boraginaceae	NE	CVD	kar	(Pradheeps and Poyyamoli 2013)
Cordia dichotoma G.Forst.	Boraginaceae	NE	RD, CVD, F, DD, OT, OI, UG, ENT,RD GD, PI	TN, GJ, M	(Vijayashalini et al. 2017) (S Sukumaran and Raj 2010)(Jeyam, Subhashini, and Jeyam n.d.)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Forest 2015) (I and Kumar 2004) (KUMAR 2015)(Punjani 2010)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Kalaichelvi and Dhivya 2017)(Kalaiselvan and Gopalan 2014)(Khairnar and Gadekar 2019)
Cordia sinensis Lam.	Boraginaceae	NE	PI, OT	TN	(Ghats and Nadu 2017)
Coriandrum sativum L	Apiaceae	NI	GI, RD, PI, GI, UG, HH,OI,ED, ND	TN, GJ, M, Kar	(Jeeva and Femila 2012) (Silambarasan et al. 2017)(Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Desale et al. 2013) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Saranraj, Bhavani, and Suganthi 2016)(Jain et al. 2010)(Acharya et al., 2023)
Corallocarpus epigaeus (Rottler) C.B.Clarke	Cucurbitaceae	NE	CVD, C, GI, OI	TN	(Ramanathan et al. 2014)
Coscinium fenestratum (Goetgh.) Colebr.	Menispermaceae	NE	OI, D, PI	TN	(Francis et al. 2014)(Rani et al. 2011)(Acharya et al., 2023b)
Costus pictus D.Don	Costaceae	NE	D, PI	TN, Kar	(Profile 2012)(Acharya et al., 2023)
Crassocephalum crepidioides (Benth.) S.Moore	Asteraceae	NE	GD	TN	(Rehamn and Sultana 2013)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Crateva religiosa G.Forst.	Capparaceae	NE	PI, GI, F, PB, RD, UG,GD	TN	(S Sukumaran and Raj 2010)(Mownika, Sharmila, and Ramya 2021)(Ghats and Nadu 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Rehamn and Sultana 2015)(Rani et al. 2011)
Crateva adansonii subsp. odora (Buch.-Ham.) Jacobs	Capparaceae	NE	UG, PI	GJ, TN, M	(Punjani 2010)(Forest 2015) (Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Biosci and Alagesaboopathi 2012)(Tahsil 2021)(Ghats and Nadu 2017)
Crinum viviparum (Lam.) R.Ansari & V.J.Nair	Amaryllidaceae	NE	PB, DD, PI	Kar, TN, M	(Sahyadri 2012)(Rehamn and Sultana 2013)(Rani et al. 2011)(Khairnar and Gadekar 2019)
Crossandra infundibuliformis (L.) Nees	Acanthaceae	NE	RD, OI, F	TN, M	(Dhivya, S M 2016)(Chandanshive et al. 2022)
Crotalaria linifolia L.f.	Fabaceae	NE	PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Crotalaria biflora L.	Fabaceae	NE	OT	TN	(Rehamn and Sultana 2015)
Crotalaria burhia Benth	Fabaceae	NI	OT	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Crotalaria calycina Schrank	Fabaceae	NE	PI	K	(Aswathi and Abdussalam 2021)
Crotalaria evolvuloides Benth	Fabaceae	NE	OT	TN	(Rehamn and Sultana 2015)
Crotalaria juncea L	Fabaceae	NE	DD	GJ	(I and Kumar 2004)
Crotalaria medicaginea Lam	Fabaceae	NE	OT	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Crotalaria mysorensis Roth	Fabaceae	NE	UG, F, DD, PI, PB, GI	TN	(Rehamn and Sultana 2015)
Crotalaria pallida Aiton	Fabaceae	NE	DD, F, GI	TN	(Ayyanar and Ignacimuthu 2005)(Vijayashalini et al. 2017)(M Ayyanar and Ignacimuthu 2005)(Ghats and Nadu 2017)
Crotalaria retusa L.	Fabaceae	NE	DD, F, RD, GI	K, TN	(Aswathi and Abdussalam 2021)(Jeyam, Subhashini, and Jeyam n.d.)(Range and Nadu 2017)(Dhivya, S M 2016)
Crotalaria verrucosa L.	Fabaceae	NE	OD, DD, GI, OI	TN , M	(Rehamn and Sultana 2013)(Afr et al. 2009)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Nadu 2022) (Chandanshive et al. 2022)
Croton bonplandianus Baill.	Euphorbiaceae	NE	PI, GI, C, PB, ND, HH	TN, Kar	(Shanmugam et al. 2021)(Shanmugam, Rajendran, and Suresh 2012)(Rehamn and Sultana 2013)(Dhivya, S M 2016)(Devi 2012)(Yogeesh and Krishnakumar 2022)
Croton caudatus Geiseler	Euphorbiaceae	NE	PI, OI , GI	TN	(Jothi, Benniamin, and Manickam 2008)
Croton persimilis Müll.Arg.	Euphorbiaceae	NE	PI, ENT, GI, OI	Kar, G, HH	(Bhat, Mulgund, and Bhat 2019)(Harsha et al. 2003)(Harsha et al. 2002)(Naik, Puttaiah, and B 2014)(Yogeesh and Krishnakumar 2022)
Croton bonplandianus Baill.	Euphorbiaceae	NE	PB	TN	(Revathi 2010)
Croton tiglium L.	Euphorbiaceae	NE	PI, OI	TN, K	(Rani et al. 2011)(Vijayan et al. 2007)
Croton zeylanicus Mull.Arg	Euphorbiaceae	NE	GI	TN	(Jothi, Benniamin, and Manickam 2008)
Crateva religiosa G.Forst.	Capparaceae	NE	UG, PB, C, PI	TN	(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Cryptolepis buchananii Schultes	Apocynaceae	NE	OI, PI, F, GI	M, TN,	(Patil and Patil 2005)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Shiragave 2015)(Waman and Khyade 2015)(Ignacimuthu and Ayyanar 2006)(Jenipher and Ayyanar 2022)
Cryptolepis grandiflora Wight	Apocynaceae	EN	PB, GI, RD	TN	(Thekkan and Arts 2017)(Ghats and Nadu 2017)(Dhivya, S M 2016)
Curcuma neilgherrensis Wight	Zingiberaceae	EN	DD	K	(Thirumurthy and Mol 2020)
Cucumis prophetarum L.	Cucurbitaceae	NE	GI, OT	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Cucumis sativus L	Cucurbitaceae	NI	F,RD, OI, UG, GI	TN, GJ, G, K	(Saranraj, Bhavani, and Suganthi 2016)(Punjani 2010) (Rodrigues 2015)(Silja, Varma, and Mohanan 2008)
Cucumis melo L.	Cucurbitaceae	NI	RD, F, OT, PB	G, TN	(Rodrigues 2015)(Range and Nadu 2017)(Ghats and Nadu 2017)
Cucurbita maxima Duchesne	Cucurbitaceae	NE	GI, OT, GD	G, TN	(Rodrigues 2015)(Silambarasan et al. 2017)
Cucurbita moschata Duchesne	Cucurbitaceae	NE	PI, HH, ND	TN	(Saranraj, Bhavani, and Suganthi 2016)(Venkatachalapathi et al. 2018)
Curcuma longa L.	Zingiberaceae	NE	DD, IH, PI, D, HH	TN, Kar	(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Acharya et al., 2023),(Yogeesh and Krishnakumar 2022)
Curculigo orchioides Gaertn	Hypoxidaceae	NE	GD, RD, D, PI, DD, OD, OT, CVD, PB	M TN, K GJ, G	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Prabhu et al. 2021)(Thirumurthy and Mol 2020)(Kottaimuthu 2008)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(Vijayashalini et al. 2017)(Ganesan, Suresh, and Kesaven 2004)(Patil and Patil 2005)(Vijayan et al. 2007)(J. W. Prakash et al. 2008) (Augustine, Kr, and Pp 2010) (Sutha et al. 2010) (Francis et al. 2014) (27)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Pillai et al. n.d.) (6) (Shah, Sheth, and Parabia 2012) (KUMAR 2015)(Chithra, Km, and Sp 2016) (Rehamn and Sultana 2013)(Khairnar and Gadekar 2019)(Devi 2012)(Thekkan and Arts 2017) (Naik, Puttaiah, and B 2014)(Circle 2014)(Revathi 2010)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Mutheeswaran et al. 2011) (Francis et al. 2014) (Venkatachalapathi et al. 2018)
Curcuma amada Roxb.	zingiberaceae	NE	PI	GJ	(Jadeja, Odedra, and Odedra 2006)
Curcuma aromatica Salisb.	Zingiberaceae	NE	PI, PB, DD, C, D	TN, Kar	(Rehamn and Sultana 2013) (Bosco and Arumugam 2012) (Venkatachalapathi et al. 2018)(Thekkan and Arts 2017)(Prabhu et al. 2021)(Harsha et al. 2002)
Curcuma domestica	zingiberaceae	NE	PI	TN	(Devi 2012)
Curcuma inodora Blatt.	Zingiberaceae	NI	DD, GD, PI	M, GJ	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shinde 2021) (Desale et al. 2013)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Curcuma longa	Zingiberaceae	NE	OI, DD, D, RD, UG, F, PB, GD, C, GI,ENT	TN, Kar, K , GJ M	(Saranraj, Bhavani, and Suganthi 2016)(Parinitha et al. 2004)(Prashantkumar and Vidyasagar 2008)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (27) (Harsha et al. 2002)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Arts and Reserved 2021) (Shah, Sheth, and Parabia 2012) (Sulochana et al. 2015) (Shah, Sheth, and Parabia 2011) (Shiragave 2015) (Chithra, Km, and Sp 2016) (Aadhan and Anand 2017) (Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Durairaj, Kamaraj, and Senthil 2012)(Manikandan 2005) (Rehamn and Sultana 2015)
Curcuma nilgiriansis	Zingiberaceae	NI	PI, DD	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Curcuma pseudomontana J.Graham	Zingiberaceae	NE	OT, CVD, PI, OT	M, TN, kar	(Somkuwar, Chaudhary, and Chaturvedi 2013) (Chithra, Km, and Sp 2016)(Pradheeps and Poyyamoli 2013)
Curcuma zedoaria (Christm.) Roscoe	Zingiberaceae	NE	PI, RD	G	(Naik, Puttaiah, and B 2014)
Zingiber zerumbet (L.) Roscoe ex Sm	Zingiberaceae	NE	DD, PI	TN	(Jeyam, Subhashini, and Jeyam n.d.)
Cuscuta chinensis Lam.	Convolvulaceae	NE	PI, UG, GI	GJ, TN	(Salahuddin et al. 2013)(Venkatachalapathi et al. 2018)
Cuscuta reflexa Roxb	convolvulaceae	NE	HH, GI, UG, PI, VD, DD, OI, F	M, GJ, TN,	(Jain et al. 2010) (Salahuddin et al. 2013) (Maina, Kumar, and Prasad 2016)(Pushpakarani and Natarajan 2014)(Tahsil 2021)(Ghats and Nadu 2017)(Rehamn and Sultana 2013)(Chandanshive et al. 2022)
Cyamopsis tetragonoloba (L.) Taub.	Fabaceae	NE	GI	GJ	(Jadeja, Odedra, and Odedra 2006)
Cynodon dactylon (L.) Pers	Poaceae	NE	DD, ND, GD, GI, HH, D, UG, PI	K, kar, TN	(Nair 2015)(Pradheeps and Poyyamoli 2013)(Afr et al. 2009)(Devi 2012)(Srinivasan et al. 2022)
Cyanotis axillaris (L.) D.Don ex Sweet	Commelinaceae	NE	PI, F	TN	(Venkatachalapathi et al. 2018)(Ghats and Nadu 2017)
Commelina clavata C.B.Clarke	Commelinaceae	LC	RD, OI, GI	TN	(Ghats and Nadu 2017)
Cyanotis villosa (Spreng.) Schult. & Schult.f., Syst	Commelinaceae	NE	PI	TN	(M Ayyanar 2016)
Cyanthillium cinereum (L.) H.Rob.	Asteraceae	NE	OI, GI, F, RD, ED, IH	GJ, TN, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Acharya et al., 2023b)
Cyathula prostrata (L.) Blume,	Amaranthaceae	NE	F, GD	K, Kar	(Area 2010), (Acharya et al., 2023)
Cycas circinalis L	Cycadaceae	EN	OT, PI, GI	TN, K	(Chithra, Km, and Sp 2016) (Rehamn and Sultana 2015) (Pillai et al. n.d.)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Cyclea peltata Hook. fil. & Thoms.	Menispermaceae	EN	GI, ID, RD, DD, HH, PI, PB, F, GD, UG, ENT	GJ, K M, TN, Kar	(Pillai et al. n.d.) (Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Somkuwar, Chaudhary, and Chaturvedi 2013) (Natarajan and Paulsen 2000) (Circle 2014)(Area 2010) (Vijayan et al. 2007) (J. W. Prakash et al. 2008) (Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)(2) (Chithra, Km, and Sp (Bosco and Arumugam 2012) (Venkatachalapathi et al. 2018) (Acharya et al., 2023), (Yogeesh and Krishnakumar 2022) (Acharya et al., 2023b)
Cymbopogon citratus (DC.) Stapf	Poaceae	NE	OI, RD, PI, PB, F, ND, DD, OD GI	K, TN	(Arts and Reserved 2021) (Nair 2015) (Rehamn and Sultana 2013) (Rani et al. 2011) (Durairaj, Kamaraj, and Senthil 2012) (Prabhu et al. 2021) (Thekkan and Arts 2017) (Silja, Varma, and Mohanan 2008) (Sutha et al. 2010) (Selvamony Sukumaran et al. 2020) (Bosco and Arumugam 2012) (Perumal, Maung, and Gopalakrishnakone 2008) (Venkatachalapathi et al. 2018) (Nadu 2022) (Jenipher and Ayyanar 2022)
Cymbopogon flexuosus	Poaceae	NE	HH, PB, RD, OI	K, TN	(Nair 2015) (Chithra, Km, and Sp 2016) (Manikandan 2005) (Vijayashalini et al. 2017)
Cymbopogon martini	Poaceae	EN	GI, PI, F, ND	GJ, M, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Tahsil 2021) (Rehamn and Sultana 2015)
Cymbopogon flexuosus (Nees ex Steud.) W.Watson	Poaceae	EN	PI, OI	K,TN	(Mathews 2013)(Dhivya, S M 2016)
Cynanchum callialatum Buch.-Ham. ex Wight	Apocynaceae	NE	F	M	(Waman and Khyade 2015)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Cynodon dactylon (L.) Pers	Poaceae	NE	UG, F, GD, GI, D, OT, ED,PI, DD, VD, OD	GJ, M, TN, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Tahsil 2021)(Arts and Reserved 2021)(Atel and Atel 2012)(Punjani 2010)(Prabhu et al. 2021)(Shiragave 2015)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Muthu et al. 2006)(Sankaranarayanan et al. 2010)(Manikandan 2005)(Dhivya, S M 2016)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(International 2010)(Parinitha et al. 2004)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (S Sukumaran and Raj 2010) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Jeyam, Subhashini, and Jeyam n.d.)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Silambarasan et al. 2017(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012) (Natarajan and Paulsen 2000) (Parthiban et al. 2016) (Atel and Atel 2012)) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011) (Upadhya et al. 2012) (Venkatachalapathi et al. 2018)(Nadu 2022)(Acharya et al., 2023)(Acharya et al., 2023b)
Cynodon plectostachyus (K.Schum.) Pilg.	Poaceae	NI	OT, GI	TN	(Nadu and Nadu 2019)
Cynoglossum zeylanicum (Vahl) Brand	Boraginaceae	NE	PI, D, oi	TN, K	(Circle 2014)(Area 2010) (Paulsamy et al. 2007)(Ghats 2019)(Paulsamy et al. 2007)
Cyperus articulatus L.	Cyperaceae	LC	PI	TN	(Shanmugam et al. 2021)(Suresh et al. 2016)
Cyperus esculentus L.	Cyperaceae	LC	OI	TN	(Jeyam, Subhashini, and Jeyam n.d.)
Cyperus haspan L.	Cyperaceae	NE	PI	TN	(M Ayyanar 2016)
Solanum betaceum Cav.	Solanaceae	NE	OT, RD , UG	TN	(Sathyavathi and Janardhanan 2014)(Kalaiselvan and Gopalan 2014)
Cyphostemma setosum (Roxb.) Alston	Vitaceae	NE	GI	TN	(Mutheeswaran et al. 2011)
Cyrtococcum deccanense Bor	Poaceae	NE	OT	TN	(Paulsamy et al. 2007)
Dactyloctenium aegyptium	Poaceae	NE	GI, PI, OI, UG, F	GJ, TN, K	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Ghats and Nadu 2017)(Nair 2015)
Pergularia daemia (Forssk.) Chiov.	Apocynaceae	NE	PI, RD, PB, GI, GD, DD,	TN, M	(Mownika, Sharmila, and Ramya 2021)(Ghats and Nadu 2017)(Chandanshive et al. 2022)
Dahlia coccinea Cav.	Asteraceae	NI	UG	TN	(Ramanathan et al. 2014)
Dalbergia horrida (Dennst.) Mabb.	Fabaceae	EN	OI, OD	M, Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Acharya et al., 2023)
Dalbergia lanceolaria L.f.	Fabaceae	LC	PI, OI, PB	GJ, K, M	

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Dalbergia latifolia Roxb,	Fabaceae	VU	PI, F, DD, GI NS, OT	Kar, TN, K	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004)(Naik, Puttaiah, and B 2014)(Manikandan 2005)(Dhivya, S M 2016)(Aswathi and Abdussalam 2021)(Acharya et al., 2023)
Dalbergia malabarica Prain	Fabaceae	VU,EN	PI	Kar	(Bhat, Mulgund, and Bhat 2019)
Dalbergia melanoxylon Guill. & Perr	Fabaceae	NT	PB	TN	(Durairaj, Kamaraj, and Senthil 2012) (Perumal, Maung, and Gopalakrishnakone 2008)
Dalbergia sissoo Roxb.	Fabaceae	NE	GI, DD, PI, D, UG, GD	M, TN,	(Jain et al. 2010) (Tetali et al. 2009) (Venkatachalapathi et al. 2018)(Vijayashalini et al. 2017)(Kalaichelvi and Dhivya 2017)(Aiwale et al. 2022)
Dalbergia tinnevelliensis Thoth.	Fabaceae	NI	OI	TN	-27
Dalbergia volubilis Roxb	Fabaceae	NE	GI	M	(Natarajan and Paulsen 2000)
Datura inoxia Mill.	Solanaceae	NE	GI, PI,	TN,K, kar, M	(Rehamn and Sultana 2013)(Hosamani et al. 2012)(Shinde 2021)
Datura metel	solanaceae	NE	RD, HH,VD, PB, GI, PI, ENT, PB, DD,OI	GJ TN, Kar M,	(Shanmugam, Rajendran, and Suresh 2012) (Parthiban et al. 2016)(Arts and Reserved 2021) (Shah, Sheth, and Parabia 2012)(Jadeja, Odedra, and Odedra 2006)(Shah, Sheth, and Parabia 2011)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(Umapriya et al. 2011) (Sutha et al. 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Selvamony Sukumaran et al. 2020)(Jadhav 2016)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Muthu et al. 2006)(Harsha 2004)(Parinitha et al. 2004)(Saranraj, Bhavani, and Suganthi 2016)
Datura stramonium L.,	Solanaceae	NE	DD, PI, OD, ENT, OI, UG, GD, HH, PB, RD, F	K, TN, M, Kar	(Pillai et al. n.d.)(Chithra, Km, and Sp 2016)(Afr et al. 2009)(Manikandan 2005)(Saranraj, Bhavani, and Suganthi 2016)(Harsha et al. 2002) (Jain et al. 2010)(Vijayashalini et al. 2017)(Prashantkumar and Vidyasagar (Dahariya et al. 2020)(Chandanshive et al. 2022)(Aiwale et al. 2022)
Daucus carota L.	Apiaceae	NI	GI, ED, GD, UG	Kar, GJ	(Ghatapanadi, Johnson, and Rajasab 2011)(Atel and Atel 2012)(Atel and Atel 2012) (Jadeja, Odedra, and Odedra 2006)(Punjani 2010)
Decalepis hamiltonii Wight & Arn.	Apocynaceae	EN	DD, F, GI, RD, OI	TN	(Devi 2012)(Thekkan and Arts 2017)
Delonia elata Gamble	Fabaceae	NI	GI, ENT, PB, PI, ND, DD	TN, GJ	(Bosco and Arumugam 2012)(Prabhu et al. 2021)(Mutheeswaran et al. 2011)(Maru and Patel 2012)(Forest 2015)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Dendrobium barbatulum Lindl.	Orchidaceae	EN	GI	M	(Khairnar and Gadekar 2019)
Dendrobium microbulbon A.Rich.	Orchidaceae	EN	OT	GJ	(Gavali and Sharma 2004)
Dendrocalamus strictus (Roxb.) Nees	Poaceae	NE	GD, UG, PI, OT	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Forest 2015) (KUMAR 2015)(No 2014)
Dendrophthoe falcata (L.f.) Ettingsh.	Loranthaceae	NE	PI, ENT, GD, F, GI	TN	(M Ayyanar 2016)(Selvamony Sukumaran et al. 2020)(Devi 2012)(Mownika, Sharmila, and Ramya 2021)(Circle 2014)(Kamble et al. 2008)
Delonix elata (L.) Gamble	Fabaceae	NE	PI	TN	(Devi 2012)
Diospyros melanoxylon Roxb.	Ebenaceae	NE	GI, DD, GI	M	(Khairnar and Gadekar 2019)
Derris canarensis (Dalzell) Baker	Fabaceae	EN	HH, OD, PI, OI	M, GJ	(Sakarkar, Sakarkaf, and Sakarkar 2004)(Forest 2015) (KUMAR 2015) (Mitaliya, Patel, and Dodia 2003)
Dalbergia pinnata (Lour.) Prain	Fabaceae	NE	RD	GJ	(Shah, Sheth, and Parabia 2012)
Derris scandens (Roxb.) Benth	Fabaceae	LC	PI, GD, PB, OT	M, TN, GJ	(Shiragave 2015)(Rehamn and Sultana 2015)(Devi 2012)(Natarajan and Paulsen 2000)(Gavali and Sharma 2004)
*Desmodium gangeticum (*L.) DC.	Fabaceae	NE	GI, CVD, UG, F, HH, PI, F, GD, RD	GJ, K, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Pillai et al. n.d.)(Aswathi and Abdussalam 2021)(Venkatachalapathi et al. 2018)(Chithra, Km, and Sp 2016)(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012) (Maru and Patel 2012)(J. Prakash, Ayyanar, and Sekar 2011)
Dendrolobium triangulare (Retz.) Schindl	Fabaceae	NE	HH	TN	(Ayyanar and Ignacimuthu 2005)
Desmodium triflorum (L.) DC.	Fabaceae	LC	GI, DD, PI, GD, F, NS	K, TN, M, Kar	(Aswathi and Abdussalam 2021)(Area 2010)(Silja, Varma, and Mohanan 2008) (Ghats and Nadu 2017)(Shanmugam, Rajendran, and Suresh 2012)(Chandanshive et al. 2022)(Acharya et al., 2023b)
Desmodium velutinum (Willd.) DC.	Fabaceae	NE	PI	TN	-27
Desmostachya bipinnata (L.) Stapf	Poaceae	LC	GI, STD	GJ K, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Chithra, Km, and Sp 2016)(Nair 2015)
Dichrocephala integrifolia (L.f.) Kuntze	Asteraceae	NE	PI	TN	(Paulsamy et al. 2007)
Dichrostachys cinerea (L.) Wight. & Arn.	Fabaceae	LC	PI, ED, PI, HH, GI, OI	GJ, TN, Kar, M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district, Gujarat 2008)(Rehamn and Sultana 2015)(Jeyam, Subhashini, and Jeyam n.d.)(Mutheeswaran et al. 2011)(Kalaichelvi and Dhivya 2017)(Nadu and Nadu 2019)(Pradheeps and Poyyamoli 2013) (Khairnar and Gadekar 2019)(Sripathi and Sankari 2010) (Devi 2012)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Dicliptera paniculata (Forssk.) I.Darbysh.	Acanthaceae	NE	PI	Kar	(Upadhya et al. 2012)
Dicoma tomentosa Cass.	Asteraceae	NE	GI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Henckelia humboldtiana (Gardner) A.Weber & B.L.Burtt	Gesneriaceae	NI	PI	TN	(M Ayyanar 2016)
Henckelia incana (Vahl) Spreng.	Gesneriaceae	EN	UG	TN	(Francis et al. 2014)
Digera muricata (L.) Mart.	Amaranthaceae	NE	UG, CVD, OI, D, F, GI,PI	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Vijayashalini et al. 2017)(Range and Nadu 2017)
Digitaria violascens Link	Poaceae	NE	OT	TN	(Paulsamy et al. 2007)(Ghats 2019)
Dillenia pentagyna Roxb	Dilleniaceae	NE	PI, DD, UG	G, GJ, M, Kar	(Naik, Puttaiah, and B 2014)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Khairnar and Gadekar 2019)(Parinitha et al. 2004)
Dimorphocalyx glabellus var. lawianus (Hook.f.) Chakrab. & N.P.Balakr	Euphorbiaceae	NE	PI	TN	(M Ayyanar 2016)
Dioscorea alata L	Dioscoreaceae	NE	GD, UG, GI, PB, PI	TN	(Chithra, Km, and Sp 2016)(Ramanathan et al. 2014)(Jeeva and Femila 2012)
Dioscorea bulbifera L.	Dioscoreaceae	NE	OI, GI, DD, GD, D, RD	M, TN, GJ,	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Rani et al. 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(Patil and Patil 2005)(Tahsil 2021)(Shinde 2021) (KUMAR 2015)
Dioscorea esculenta (Lour.) Burkill	Dioscoreaceae	NE	PI .	TN	(Ramanathan et al. 2014)
Dioscorea hispida Dennst.,	Dioscoreaceae	NE	GI	TN, K	(Thirumurthy and Mol 2020)(Kottaimuthu 2008)(Vijayan et al. 2007)
Dioscorea oppositifolia L.	Dioscoreaceae	NE	ID, GI, PI, C, UG OT	TN	(Circle 2014)(Venkatachalapathi et al. 2018)(Range and Nadu 2017)(Ghats and Nadu 2017)(Ramanathan et al. 2014)(Rehamn and Sultana 2013)(Rehamn and Sultana 2015)(Devi 2012)(Kottaimuthu 2008)(J. Prakash, Ayyanar, and Sekar 2011)
Dioscorea pentaphylla L.	Dioscoreaceae	NE	GI, PI, OT	TN,M	(Tetali et al. 2009)(Silambarasan et al. 2017) (Venkatachalapathi et al. 2018)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(Range and Nadu 2017)(Rani et al. 2011)(Rehamn and Sultana 2015)
Dioscorea pubera Blume	Dioscoreaceae	NE	PI	K	(Mathews 2013)
Dioscorea tomentosa J.König ex Spreng.	Dioscoreaceae	NE	GI, F, RD, PI	TN, kar	(Mohan et al. 2008) (Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Ignacimuthu and Ayyanar 2006)
Diospyros ebenum J.Konig ex Retz.	Ebenaceae	DD	GI, OT, D, F, PB	TN	(Kalaichelvi and Dhivya 2017)(Rehamn and Sultana 2015)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Vijayashalini et al. 2017)(Ayyanar and Ignacimuthu 2005)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Diospyros malabarica (Desr.) Kostel.	Ebenaceae	NE	ENT	G	(Naik, Puttaiah, and B 2014)
Diospyros melanoxylon Roxb.	Ebenaceae	NE	GI, DD, RD, PB, PI, OT, OI	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Forest 2015) (I and Kumar 2004) (KUMAR 2015)(Vijayashalini et al. 2017) (Sutha et al. 2010)(Ghats and Nadu 2017)(Rani et al. 2011)(Devi 2012)
Diospyros montana Roxb.	Ebenaceae	NI	PI, GI, F, ENT	Kar,TN	(Upadhya et al. 2012)(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2015)(Kottaimuthu 2008)(Ghats and Nadu 2017)
Diospyros vera (Lour.) A.Chev.	Ebenaceae	EN	OI,OT	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
*Diotacanthus albiflorus (*Bedd.) Benth.	Acanthaceae	NE	PI	TN	(M Ayyanar 2016)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)
Diploclisia glaucescens (Blume) Diels	Menispermaceae	NE	PI, DD	TN	(Rani et al. 2011)
Diplocyclos palmatus (L.) C.Jeffrey	Cucurbitaceae	NE	HH, F, PI, GI, GD	TN, M, GJ,	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Kottaimuthu 2008) (Francis et al. 2014)(Kamble et al. 2008)(Tahsil 2021) (KUMAR 2015)(Kalaiselvan and Gopalan 2014)(Rani et al. 2011)(Khairnar and Gadekar 2019)(Devi 2012)
Ruellia prostrata Poir.	Acanthaceae	NI	DD, PI	TN	(Mutheeswaran et al. 2011)
Ruellia patula Jacq.	Acanthaceae	NE	PB	TN	(Rani et al. 2011)
Dipterocarpus indicus Bedd	Dipterocarpaceae	EN, LC	PI	Kar	(Parinitha et al. 2004)
Diospyros montana Roxb.	Ebenaceae	NI	GI, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Disporum cantoniense (Lour.) Merr.	Colchicaceae	EN	PB	TN	(Paulsamy et al. 2007)
Dodonaea viscosa Jacq.	Sapindaceae	NE	PI, HH, OD, DD, VD	TN, Kar, K	(Venkatachalapathi et al. 2018)(Mohan et al. 2008) (Mownika, Sharmila, and Ramya 2021)(Ganesan, Suresh, and Kesaven 2004) (S Sukumaran and Raj 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (Francis et al. 2014)(Jaganathan et al. 2016)(Nadu and Nadu 2019)(Mathews 2013)(Sankaranarayanan et al. 2010)(Rehamn and Sultana 2015)(Dhivya, S M 2016)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Jeyam, Subhashini, and Jeyam n.d.) (Mutheeswaran et al. 2011)(Parthiban et al. 2016)(Kalaichelvi and Dhivya 2017)(Devi 2012)
Dolichos trilobus subsp. *trilobus* L.	Fabaceae	NE	GI, DD, PI, STD, OI	TN , M, K	(Rehamn and Sultana 2015)(Rani et al. 2011)(Patil and Patil 2005)(Aswathi and Abdussalam 2021)
Drimia indica (Roxb.) Jessop	Asparagaceae	NE	GI, UG, PI, DD, PB	M, GJ, TN	(Kamble et al. 2008) (Punjani 2010)(Rehamn and Sultana 2013)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Nadu 2022)
Drymaria cordata subsp. diandra (Blume) J.A.Duke	Caryophyllaceae	NE	PI, HH	TN	(Ganesan, Suresh, and Kesaven 2004)(Ignacimuthu and Ayyanar 2006)(Ramachandran, Joseph, and Aruna 2009)(Jeyam, Subhashini, and Jeyam n.d.) (Paulsamy et al. 2007)
Pyrrosia piloselloides (L.) M.G. Price	Polypodiaceae	NE	GD, OT	TN	(Rani et al. 2011)
Drynaria quercifolia (L.) J. Sm	Polypodiaceae	NE	PI, OI, GI, F, RD	TN	(Sutha et al. 2010)(Benjamin and Manickam 2007)(Kalaiselvan and Gopalan 2014)(Ramanathan et al. 2014)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Dryopteris cochleata (D. Don) C. Chr.	dryopteridaceae	NE	PB, OI, PI, GI	W.G	(Benjamin and Manickam 2007)
Putranjiva roxburghii Wall.	Putranjivaceae	NE	GI, RD, PI, F, GD, UG	TN	(Mownika, Sharmila, and Ramya 2021)(Jothi, Benniamin, and Manickam 2008)
Dumasia villosa DC.	Fabaceae	NE	PI	TN	(M Ayyanar 2016)(Paulsamy et al. 2007)
Dysoxylum malabaricum Bedd. ex C.DC.	Meliaceae	EN	PI	TN	(Mownika, Sharmila, and Ramya 2021)
Ecbolium viride (Forssk.) Alston	Acanthaceae	NE	ED, OT,PI	TN	(Ayyanar and Ignacimuthu 2005)(Nadu 2022)
Echinochloa colona (L.) Link	poaceae	NE	GI, OT	GJ, K	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Nair 2015)
Echinops echinatus Roxb.	Asteraceae	NE	RD, OD, UG, DD, GD	GJ, M, K	(Shinde 2021) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu.pdf n.d.)(Punjani 2010)(Jayakumar et al. 2010)(Ethnobotanical Plants Used by the Tribes of R . D . F . 2013)
Eclipta prostrata (L.) L.	Asteraceae	NE	HH, OI, DD, PB, RD, GD, PI, F, VD	M, Kar, K, M, GJ, TN, G, PI	(Sakarkar, Sakarkaf, and Sakarkar 2004)(J. Prakash, Ayyanar, and Sekar 2011)(Vijayashalini et al. 2017) (Ghatapanadi, Johnson, and Rajasab 2011)(Arts and Reserved 2021)(Shinde 2021) (Shah, Sheth, and Parabia 2012) (KUMAR 2015) (Mitaliya, Patel, and Dodia 2003)(Jaganathan et al. 2016)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Rani et al. 2011)(Natarajan et al. 2013)(Durairaj, Kamaraj, and Senthil 2012)(Afr et al. 2009)(Khairnar and Gadekar 2019)(Hosamani et al. 2012)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Perumal, Maung, and Gopalakrishnakone 2008) (Pushpakarani and Natarajan 2014)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Jadeja, Odedra, and Odedra 2006)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)Jeyam, Subhashini, and Jeyam n.d.)(Bosco and Arumugam 2012) (Perumal, Maung, and Gopalakrishnakone 2008) (Tetali et al. 2009) (Mutheeswaran et al. 2011) (Area 2010)(Umapriya et al. 2011)(Silja, Varma, and Mohanan 2008) (Sutha et al. 2010) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Selvamony Sukumaran et al. 2020)(Venkatachalapathi et al. 2018)(Prabhu et al. 2021) (Thekkan and Arts 2017)(Harsha et al. 2002)(Harsha et al. 2003)(Shanmugam, Rajendran, and Suresh 2012)(Rodrigues 2015)(Somkuwar, Chaudhary, and Chaturvedi 2013) (Parthiban et al. 2016)(Natarajan et al. 2013)(Muthu et al. 2006)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Revathi 2010) (Mutheeswaran et al. 2011)(Srinivasan et al. 2022)(Acharya et al., 2023b)(Acharya et al., 2023), (Yogeesh and Krishnakumar 2022)
Ehretia buxifolia Roxb.	Boraginaceae	NI	PB	TN	(Perumal, Maung, and Gopalakrishnakone 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Ehretia laevis (Rottler ex G. Don) Roxb.	Boraginaceae	NI	STD, PI	GJ, M TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Tahsil 2021)(Kottaimuthu 2008)
Ehretia microphylla Lam	Boraginaceae	NE	GI, HH, PI	TN	(Dhivya, S M 2016)(Thekkan and Arts 2017)
Ehretia ovalifolia Wight	Boraginaceae	NI	F	TN	(Ghats and Nadu 2017)
Elaeagnus latifolia L.	Elaeagnaceae	NE	PI, CVD, F	M, TN, Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Ghats and Nadu 2017)(Bhat, Mulgund, and Bhat 2019)(Sathyavathi and Janardhanan 2014)
Elaeocarpus tectorius (Lour.) Poir.	Elaeaocarpaceae	NE	DD	TN	(Sathyavathi and Janardhanan 2014)
Elatostema cuspidatum Wight	Urticaceae	NI	GD	TN	(Paulsamy et al. 2007)
Elettaria cardamomum (L.) Maton	Zingiberaceae	NE	GI, ND, OD, ENT, RD, HH, PI, DD, GD, CVD, GI	K, TN,GJ	(Silja, Varma, and Mohanan 2008)(Ignacimuthu and Ayyanar 2006)(Arts and Reserved 2021) (Shah, Sheth, and Parabia 2012)(Thirumurthy and Mol 2020)(Muniappan Ayyanar and Ignacimuthu 2011)(Shah, Sheth, and Parabia 2011)(Silambarasan et al. 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Manikandan 2005)(Devi 2012)(Nadu 2022)
Elephantopus scaber L	Asteraceae	NE	GD, PI, UG, DD, VD	K, TN, M, Kar	(Pillai et al. n.d.)(Chithra, Km, and Sp 2016)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Jeeva and Femila 2012)(Ayyanar and Ignacimuthu 2005) (Francis et al. 2014)(Area 2010)(Parinitha et al. 2004)(Silja, Varma, and Mohanan 2008) (Sutha et al. 2010) (Selvamony Sukumaran et al. 2020)(Jenipher and Ayyanar 2022)(Acharya et al., 2023b)(Acharya et al., 2023)
Eleusine coracana (L.) Gaertn.	Poaceae	NE	D, F, UG	TN, M	(Profile 2012) (Venkatachalapathi et al. 2018)
Eleusine indica (L.) Gaertn.	Poaceae	LC	F, GI, OT	K, TN	(Nair 2015)(Dhivya, S M 2016)(Kamble et al. 2008)
Elytraria acaulis (L.f.) Lindau,	Acanthaceae	NE	OI, GI, DD, PI	M, TN	(Sankaranarayanan et al. 2010)(Khairnar and Gadekar 2019)(Devi 2012)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Embelia ribes Burm.f	Primulaceae	NE	GI	GJ	(Jadeja, Odedra, and Odedra 2006)
Embelia tsjeriam-cottam (Roem. & Schult.) A.DC.	Primulaceae	NE	GI, ENT, ND, PI, PB	M, Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Bhat, Mulgund, and Bhat 2019)(Natarajan and Paulsen 2000)
Embelia ribes Burm.f.	Primulaceae	NE	DD, PI	TN	(Jeyam, Subhashini, and Jeyam n.d.)
Phyllanthus emblica L.	Phyllanthaceae	NE	GI, HH, OD, DD, D, RD, PI, PB	GJ K, TN, M	(Atel and Atel 2012)(Sakarkar, Sakarkaf, and Sakarkar 2004) (Ethnobotanical Plants Used by the Tribes of R . D . F . 2013) (Atel and Atel 2012)(Punjani 2010)(Prabhu et al. 2021)(Area 2010)(Umapriya et al. 2011)(Patil and Patil 2005) (Jayakumar et al. 2010) (Jadhav 2016)(Afr et al. 2009) (Manikandan 2005) (Devi 2012)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Emilia scabra DC. ex Wight,	Asteraceae	EN	PI	K	(Mathews 2013)
*Emilia sonchifolia (*L.) DC. ex DC.	Asteraceae	NE	PI, OI, ED, PB, GI, RD	K, TN, M	(Thirumurthy and Mol 2020)(Area 2010)(Vijayan et al. 2007)(J. W. Prakash et al. 2008)(Silja, Varma, and Mohanan 2008) (27)(Circle 2014) (Sulochana et al. 2015) (Pillai et al. n.d.) (Rehamn and Sultana 2013) (Khairnar and Gadekar 2019)
Endostemon viscosus (Roth) M.R.Ashby	Lamiaceae	NE	PI, F, RD	TN	(Mownika, Sharmila, and Ramya 2021) (Kottaimuthu 2008)
Enicostema axillare (Poir. ex Lam.) A.Raynal	Gentianaceae	NE	DD, PI, GI, PB, F	TN , GJ, M,	(Mutheeswaran et al. 2011)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Venkatachalapathi et al. 2018)(Thekkan and Arts 2017) (Shanmugam, Rajendran, and Suresh 2012) (Jain et al. 2010)
Enicostemma littorale Blume	Gentianaceae	NE	PB, PI, DD, PB	TN	(Venkatachalapathi et al. 2018)(Sankaranarayanan et al. 2010)(Devi 2012)
Ensete superbum (Roxb.) Cheesman	Musaceae	EN	OI, UG, GI	GJ, K, M, TN, Kar	(KUMAR 2015)(Area 2010) (Desale et al. 2013) (27) (Chithra, Km, and Sp 2016) (Somkuwar, Chaudhary, and Chaturvedi 2013)(Acharya et al., 2023b) (Acharya et al., 2023)
Entada rheedii Spreng.	Fabaceae	NE	UG, PI, OD	TN, K , G	(Kalaichelvi and Dhivya 2017)(Rani et al. 2011)(Sutha et al. 2010)(Aswathi and Abdussalam 2021)(Naik, Puttaiah, and B 2014)
Albizia saman (Jacq.) Merr.	Fabaceae	NE	GI, ENT	TN	(Vijayashalini et al. 2017) (Kalaichelvi and Dhivya 2017)
Equisetum ramosissimum Desf.	Equisetaceae	NE	GI, PI, OI	W.G	(Benjamin and Manickam 2007)
Eragrostis cilianensis (All.) Janch.	Poaceae	NE	OT	TN	(Paulsamy et al. 2007)(Ghats 2019)
Eragrostis nigra Nees ex Steud.	Poaceae	NE	OT	TN	(Paulsamy et al. 2007)
Eragrostis tremula Hochst. ex Steud.	Poaceae	NE	RD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
*Eragrostis unioloide*s (Retz.) Nees ex Steud.	Poaceae	LC	RD, PI, OI	K, TN	(Nair 2015)(Dhivya, S M 2016)
Eranthemum roseum (Vahl) R.Br.	Acanthaceae	NE	GD, GI	M GJ	(Kamble et al. 2008)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Tabernaemontana alternifolia L.	Apocynaceae	EN	PI,DD, PB	Kar, TN	(Harsha et al. 2002)(Sahyadri 2012)(Harsha et al. 2003)(Nadu 2022)
Erigeron karvinskianus DC.	Asteraceae	NE	OT	TN	(Paulsamy et al. 2007)
Eriolaena quinquelocularis (Wight & Arn.) Wight	Malvaceae	NE	GD	M	(Natarajan and Paulsen 2000)
Eryngium foetidum L.	Apiaceae	NE	PI , HH	K, Kar	(Area 2010)(Yogeesh and Krishnakumar 2022)
Erythrina excelsa Baker	Fabaceae	NI	PB	TN	(Durairaj, Kamaraj, and Senthil 2012) (Perumal, Maung, and Gopalakrishnakone 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Erythrina variegata L	Fabaceae	LC	GD, RD, DD, HH, F, D, GI, PI, PB	TN,M, Kar, K, GJ,	(Rehamn and Sultana 2013)(Khairnar and Gadekar 2019)(Harsha et al. 2002)(Jeyam, Subhashini, and Jeyam n.d.)(International 2010)(Parinitha et al. 2004)(Parinitha et al. 2004) (Sahyadri 2012) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Shinde 2021)(Aswathi and Abdussalam 2021)(Silja, Varma, and Mohanan 2008) (Sutha et al. 2010) (27)(Silambarasan et al. 2017) (Venkatachalapathi et al. 2018)(Palanisamy, Sasikala, and Natarajan 2020)(Rani et al. 2011)(Rehamn and Sultana 2015)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Harsha et al. 2003) (Maina, Kumar, and Prasad 2016)(Acharya et al., 2023)
Erythrina orientalis (Linn.)	Fabaceae	NI	OT	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Erythrina suberosa Roxb.	Fabaceae	NE	OT, F, RD	GJ TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Kottaimuthu 2008)
Erythrina subumbrans **(**Hassk.) Merr.	Fabaceae	NE	ED	K	(Aswathi and Abdussalam 2021)
Erythropalum scandens Blume	Olacaceae	EN	PI	TN	(Sutha et al. 2010)(Rani et al. 2011)
Erythroxylum monogynum Roxb.,	Erythroxylaceae	NE	GI, DD, F, PB	TN, Kar	(Thekkan and Arts 2017)(Circle 2014)(Pradheeps and Poyyamoli 2013)(Dhivya, S M 2016)(M Ayyanar and Ignacimuthu 2005)
Eucalyptus globulus Labill	Myrtaceae	NI	RD, ENT, ND, OD, PI, HH,	GJ, TN, G, M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004) (KUMAR 2015)(Jaganathan et al. 2016)(Manikandan 2005)(International 2010) (27)(Naik, Puttaiah, and B 2014)(Natarajan and Paulsen 2000) (Maru and Patel 2012)(Nadu 2022)
Eucalyptus tereticornis Sm.,	Myrtaceae	NE	RD, CVD	TN	(Natarajan et al. 2013)
Syzygium caryophyllatum (L.) Alston	Myrtaceae	EN	OD, DD, PI, OT	TN, Kar	(Jaganathan et al. 2016)(Acharya et al., 2023)(Acharya et al., 2023b)
Eugenia jambolana	Myrtaceae	NE	D, GI, PI, GD	G TN, kar, K, M	(Naik, Puttaiah, and B 2014)(Vijayashalini et al. 2017)(Parinitha et al. 2004)(Parinitha et al. 2004) (Jayakumar et al. 2010)(Tahsil 2021)
*Eugenia singampattiana B*edd.	Myrtaceae	CR	PI	TN	(Sutha et al. 2010)(Rani et al. 2011)
*Eulophia dabia (*D.Don) Hochr.	Orchidaceae	NE	OT	GJ	(KUMAR 2015)
Ayapana triplinervis (Vahl) R.M.King & H.Rob.	Asteraceae	VU	PI	TN, M	(M Ayyanar 2016)(Ayyanar and Ignacimuthu 2005)(Shiragave 2015)(Rehamn and Sultana 2013)
Chromolaena corymbosa (Aubl.) R.M.King & H.Rob.	Asteraceae	NI	OI	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Euphorbia hirta L.	Euphorbiaceae	NE	GI, UG,PI, DD,	GJ, M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Chandanshive et al. 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Euphorbia neriifolia L.	Euphorbiaceae	NE	DD, GI, D, ENT	GJ, M, TN , K	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Tahsil 2021)(Forest 2015)
Euphorbia antiquorum L.	Euphorbiaceae	NE	GI, RD, PI, D, ENT, STD	TN	(Ghats and Nadu 2017)(Ignacimuthu and Ayyanar 2006)(Muthu et al. 2006)(Afr et al. 2009)(Rehamn and Sultana 2015)(Devi 2012)(Mownika, Sharmila, and Ramya 2021)(Jothi, Benniamin, and Manickam 2008)(International 2010)(M Ayyanar 2016)
Euphorbia cyathophora Murray	Euphorbiaceae	NE	GD, GI, OI, PI	TN	(Rehamn and Sultana 2013)(Shanmugam et al. 2021)(Vijayashalini et al. 2017)(Suresh et al. 2016)
Euphorbia dracunculoides Lam.	Euphorbiaceae	NE	DD	TN	(Jothi, Benniamin, and Manickam 2008)
Euphorbia glanduligera Pax	Euphorbiaceae	NI	GD	TN	(Kalaichelvi and Dhivya 2017)
Euphorbia heterophylla L	Euphorbiaceae	NE	PI, GI, DD, OI,	TN, GJ,M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Nadu and Nadu 2019)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Revathi 2010)(Chandanshive et al. 2022)
	Euphorbiaceae	NE	UG, DD, STD, D, PB, RD, GD, PI	GJ, TN, M,	(Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.) (Jadeja, Odedra, and Odedra 2006)(Punjani 2010)(Prabhu et al. 2021)(Jaganathan et al. 2016)(Jadhav 2016)(Rehamn and Sultana 2013)(Natarajan et al. 2013)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Sankaranarayanan et al. 2010)(Afr et al. 2009)(Ramachandran, Joseph, and Aruna 2009)(Devi 2012)(Shanmugam, Rajendran, and Suresh 2012)(Haveli 2011)(Natarajan and Paulsen 2000) (Jain et al. 2010) (Parthiban et al. 2016)(Jothi, Benniamin, and Manickam 2008)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Pushpakarani and Natarajan 2014)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(M Ayyanar 2016)(Umapriya et al. 2011)(J. W. Prakash et al. 2008) (S Sukumaran and Raj 2010) (27)
Euphorbia indica Lam.	Euphorbiaceae	NE	GI, GD	TN	(Jothi, Benniamin, and Manickam 2008) (Profile 2012) (Khairnar and Gadekar 2019)
Euphorbia nivulia Buch.-Ham.	Euphorbiaceae	NE	GI, PI, DD	GJ, K, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Pillai et al. n.d.)(Kottaimuthu 2008) (27)(Jothi, Benniamin, and Manickam 2008)(Rehamn and Sultana 2015)
Euphorbia rosea Retz.,	Euphorbiaceae	NE	OI	TN	(Jothi, Benniamin, and Manickam 2008)
Euphorbia rothiana Spreng	Euphorbiaceae	NE	OI, PI	TN	(Jothi, Benniamin, and Manickam 2008) (Paulsamy et al. 2007)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Euphorbia serpens Kunth	Euphorbiaceae	NE	OI, C	TN	(Range and Nadu 2017)
Euphorbia thymifolia L.	Euphorbiaceae	NE	PI, GI, DD, D	TN, K	(Circle 2014)(Range and Nadu 2017) (Jothi, Benniamin, and Manickam 2008)(Jayakumar et al. 2010)
Euphorbia tirucalli L	Euphorbiaceae	LC	HH, ENT, GI, PB, DD, PI, RD	TN, M, GJ	(Arts and Reserved 2021)(Shinde 2021) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.)(J. Prakash, Ayyanar, and Sekar 2011)(Muthu et al. 2006)(Khairnar and Gadekar 2019)(Devi 2012)(Jothi, Benniamin, and Manickam 2008)(Chandanshive et al. 2022)
Euphorbia tithymaloides L	Euphorbiaceae	NE	OT	TN	-27
Euphorbia tortilis Rottler ex Ainslie	Euphorbiaceae	NE	OT	TN	(Jothi, Benniamin, and Manickam 2008)
*Evolvulus alsinoides (*L.) L.	Convolvulaceae	NE	GI, CVD, RD, GI, ND, HH, F, VD		(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Sankaranarayanan et al. 2010)(Afr et al. 2009)(Khairnar and Gadekar 2019) (Rehamn and Sultana 2015) (Devi 2012)(Muniappan Ayyanar and Ignacimuthu 2011) (J. Prakash, Ayyanar, and Sekar 2011) (Mohan et al. 2008)(Umapriya et al. 2011) (Patil and Patil 2005) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Thekkan and Arts 2017) (Shanmugam, Rajendran, and Suresh 2012)(Circle 2014) (Jeyam, Subhashini, and Jeyam n.d.) (Ayyanar and Ignacimuthu 2005) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)
Evolvulus nummularius (L.) L	Convolvulaceae	NE	F, RD, HH, ND	TN	(Rehamn and Sultana 2013)(Vijayashalini et al. 2017)
Exacum pedunculatum L.,	Gentianaceae	NE	GI, F	TN	(Vijayashalini et al. 2017)
Excoecaria oppositifolia var. crenulata (Wight) Chakrab. & M.Gangop.	Euphorbiaceae	NE	DD	TN	(Ignacimuthu and Ayyanar 2006)
Fagonia cretica L.	Zygophyllaceae	NE	OT, GI, DD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.)
Feronia elephantum Corrêa	Rutaceae	NI	GI, GD	Kar, TN, M	(Ghatapanadi, Johnson, and Rajasab 2011)(Rehamn and Sultana 2015)(Shinde 2021)
Feronia limonia (L.) Swingle	Rutaceae	NI	GI, PB	GJ, TN,	(Jadeja, Odedra, and Odedra 2006)(Durairaj, Kamaraj, and Senthil 2012) (Perumal, Maung, and Gopalakrishnakone 2008)
Ferula assa-foetida L	Apiaceae	NI	GI, RD, GD,IH, PI	GJ, TN, Kar	(Jadeja, Odedra, and Odedra 2006) (Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Acharya et al., 2023) (Acharya et al., 2023b)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Ficus benghalensis L.	Moraceae	NE	PI, GI, D, DD, OD, GD, F, UG,VD, F	GJ, TN, kar, M , kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Forest 2015) (Shah, Sheth, and Parabia 2012) (KUMAR 2015) (Jadeja, Odedra, and Odedra 2006)(Circle 2014) (Jain et al. 2010) (Parthiban et al. 2016) (Shah, Sheth, and Parabia 2011)(Prabhu et al. 2021)(Mownika, Sharmila, and Ramya 2021)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Natarajan et al. 2013)(Muthu et al. 2006)(Harsha 2004)(Bhat, Mulgund, and Bhat 2019)(Afr et al. 2009)(Devi 2012)(Mutheeswaran et al. 2011) (Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Upadhya et al. 2012)(Muniappan Ayyanar and Ignacimuthu 2011)(International 2010)(M Ayyanar 2016) (Desale et al. 2013)(Nadu 2022)(Aiwale et al. 2022)(Acharya et al., 2023)(Acharya et al., 2023b)
Ficus amplissima Sm.,	Moraceae	NE	DD, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Ficus arnottiana (Miq.)	Moraceae	NE	GD, VD	GJ	(Maina, Kumar, and Prasad 2016)(KUMAR 2015)
Ficus exasperata Vahl	Moraceae	NE	OT	GJ	(KUMAR 2015)
Ficus benjamina L.	Moraceae	NE	PI, HH	TN	(Mownika, Sharmila, and Ramya 2021) (Ghats and Nadu 2017)
Ficus carica L	Moraceae	NI	CVD, PI, RD, DD	TN, GJ	(Sathyavathi and Janardhanan 2014)(Jadeja, Odedra, and Odedra 2006) (Shah, Sheth, and Parabia 2011)
Ficus dalhousiae Miq.	Moraceae	NE	PI	TN	(Kottaimuthu 2008)
Ficus exasperata Vahl	Moraceae	NE	GD, PI, OI ED	TN, K, M, Kar	(Sathyavathi and Janardhanan 2014) (Pillai et al. n.d.)(Harsha et al. 2003)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Natarajan and Paulsen 2000)(Acharya et al., 2023)
Ficus tinctoria subsp. gibbosa (Blume) Corner	Moraceaea	NE	D	K	(Jayakumar et al. 2010)
Ficus racemosa L.,	Moraceae	NE	HH, PI, VD, GI, D, GD, PB, DD, UG, RD, OD,	M, GJ, TN, K, G, Kar	(Onkar 2016) (Jadeja, Odedra, and Odedra 2006)(Vijayashalini et al. 2017) (Jayakumar et al. 2010)(Afr et al. 2009)(Rehamn and Sultana 2015)(Biosci and Alagesaboopathi 2012)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Forest 2015) (I and Kumar 2004) (KUMAR 2015)(Haveli 2011)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Natarajan and Paulsen 2000)(Circle 2014)(Kamble et al. 2008)(Prabhu et al. 2021)(M Ayyanar 2016)(Silja, Varma, and Mohanan 2008)(Jeyam, Subhashini, and Jeyam n.d.)(Profile 2012) (Silambarasan et al. 2017) (Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Kalaichelvi and Dhivya 2017)(Aadhan and Anand 2017)(Sathyavathi and Janardhanan 2014)(Rani et al. 2011)(Muthu et al. 2006)(Harsha 2004)(Devi 2012)(Chandanshive et al. 2022)(Srinivasan et al. 2022)(Acharya et al., 2023)(Acharya et al., 2023b)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Ficus hispida L.f.	Moraceae	NE	GI, GD, OT	K, TN ,M GJ,	(Thirumurthy and Mol 2020)(J. W. Prakash et al. 2008)(Kamble et al. 2008)(KUMAR 2015)(Devi 2012)
Ficus virens Aiton	Moraceae	NE	OD, GI	TN	(Rehamn and Sultana 2015)
Ficus microcarpa L.f.	Moraceae	NE	PI, F, OT	TN, Kar	(Kalaichelvi and Dhivya 2017)(Rani et al. 2011)(Acharya et al., 2023b)
Ficus mollis Vahl,	Moraceae	NE	PI	TN	(Kottaimuthu 2008)
Ficus religiosa L.,	Moraceae	NE	DD, OI, RD, GD, PI, VD, PB, GI, D UG, ND	GJ, TN, M, Kar,	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.) (Shah, Sheth, and Parabia 2012) (KUMAR 2015) (Jadeja, Odedra, and Odedra 2006)(Circle 2014) (Jain et al. 2010) (Parthiban et al. 2016)(Shah, Sheth, and Parabia 2011)(Prabhu et al. 2021)(Jaganathan et al. 2016)(Ghats and Nadu 2017)(Rani et al. 2011)(Muthu et al. 2006)(Harsha 2004)(Afr et al. 2009)(Khairnar and Gadekar 2019)(Devi 2012)(Muniappan Ayyanar and Ignacimuthu 2011) (Ghatapanadi, Johnson, and Rajasab 2011)(Jeyam, Subhashini, and Jeyam n.d.) (Mutheeswaran et al. 2011)(Chandanshive et al. 2022)(Srinivasan et al. 2022)(Aiwale et al. 2022)(Acharya et al., 2023b)
Ficus microcarpa L.f.	Moraceae	NE	PI, D, RD, GD	TN	(Jaganathan et al. 2016)(Natarajan et al. 2013)(Rehamn and Sultana 2015)(Devi 2012)(Revathi 2010)(Ayyanar and Ignacimuthu 2005)
Fimbristylis cymosa R.Br.,	Cyperaceae	LC	GI	TN	(Shanmugam, Rajendran, and Suresh 2012)
Firmiana colorata (Roxb.) R.Br.	Malvaceae	NE	OT	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Firmiana simplex (L.) W.Wight	Malvaceae	NE	GD, OI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Flacourtia indica (Burm. f.) Merr	Salicaceae	NE	OT, PB, OI	TN, GJ, G	(Natarajan et al. 2013) (Revathi 2010)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Forest 2015) (Haveli 2011) (J. Prakash, Ayyanar, and Sekar 2011)
Flueggea virosa (Roxb. ex Willd.) Royle	Phyllanthaceae	NE	PI, F, OI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Flueggea leucopyrus Willd	Phyllanthaceae	NE	OT, OI , ED	TN, Kar	(Kalaichelvi and Dhivya 2017)(Rehamn and Sultana 2015)(Acharya et al., 2023)
Foeniculum vulgare Mill.	Apiaceae	NI	RD	GJ	(Shah, Sheth, and Parabia 2012)
Fragaria nubicola (Lindl. ex Hook.f.) Lacaita	Rosaceae	NI	PI	TN	(Ghats 2019) (Paulsamy et al. 2007)
Gnaphalium coarctatum Willd.	Asteraceae	NE	F	TN	(Paulsamy et al. 2007)
Ganoderma lucidum (Curtis) P. Karst	Ganodermataceae	NI	PI	K	(Silja, Varma, and Mohanan 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Garcinia indica (Thouars) Choisy	Clusiaceae	EN	GI	M TN	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Sankaranarayanan et al. 2010)
Gardenia jasminoides J.Ellis	Rubiaceae	NE	OT, ED, GI, OI	TN, K	(Chithra, Km, and Sp 2016)(Rehamn and Sultana 2013)
Gardenia resinifera Roth	Rubiaceae	NE	DD, GI	GJ TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Kottaimuthu 2008)
Ceriscoides turgida (Roxb.) Tirveng.	Rubiaceae	NE	GD	M	(Onkar 2016)
Garuga pinnata Roxb.	Burseraceae	NE	PI, RD, GI, OD	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004) (KUMAR 2015)(Chithra, Km, and Sp 2016)(Kottaimuthu 2008)
Gaultheria fragrantissima Wall.	Ericaceae	NE	PI, ND, GI, DD	TN	(Thekkan and Arts 2017)(Paulsamy et al. 2007)
Geodorum densiflorum (Lam.) Schltr.	Orchidaceae	NE	PI, D	M	(Khairnar and Gadekar 2019) (Patil and Patil 2005)
Getonia floribunda Roxb.	Combretaceae	NE	GI, PI, OT	TN, Kar	(Acharya et al., 2023)(Acharya et al., 2023b)
Girardinia diversifolia (Link) Friis	Urticaceae	NE	HH, OT, F, PI	TN	(Paulsamy et al. 2007)(Ghats 2019)
Gisekia pharnaceoides L.	Gisekiaceae	NE	OI, ND, GI RD	TN	(Saranraj, Bhavani, and Suganthi 2016)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)
Givotia moluccana (L.) Sreem.	Euphorbiaceae	NE	RD, GI, PI, HH DD	Kar TN	(Pradheeps and Poyyamoli 2013)(Dhivya, S M 2016)(Francis et al. 2014)(Mownika, Sharmila, and Ramya 2021)
Glinus lotoides L.	Molluginaceae	NE	PI, GI, UG, CVD	TN	(Jeyam, Subhashini, and Jeyam n.d.) (Mutheeswaran et al. 2011)(Jaganathan et al. 2016)(Shanmugam, Rajendran, and Suresh 2012)
Gliricidia sepium (Jacq.) Walp.	Fabaceae	NE	OI, F, RD, PI	TN	(Kalaichelvi and Dhivya 2017)
Glochidion heyneanum (Wight & Arn.) Wight	Phyllanthaceae	NE	PI	Kar	(Upadhya et al. 2012)
Glochidion zeylanicum (Gaertn.) A.Juss.	Phyllanthaceae	NE	GI, DD	TN	(Jothi, Benniamin, and Manickam 2008)
Gloriosa superba L.	Colchicaceae	LC	C, RD, DD, GD, VD, PI, PB, STD, PI, GI, OI	K, TN, GJ M, Kar	(Pillai et al. n.d.)(Arts and Reserved 2021) (KUMAR 2015) (Somkuwar, Chaudhary, and Chaturvedi 2013) (Maina, Kumar, and Prasad 2016)(Mownika, Sharmila, and Ramya 2021) (Mohan et al. 2008) (M Ayyanar and Ignacimuthu 2005)(J. W. Prakash et al. 2008)(Silja, Varma, and Mohanan 2008) (Augustine, Kr, and Pp 2010) (Ghatapanadi, Johnson, and Rajasab 2011)(Chithra, Km, and Sp 2016)(Kalaiselvan and Gopalan 2014)(Ramanathan et al. 2014)(Durairaj, Kamaraj, and Senthil 2012)(Afr et al. 2009)(Rehamn and Sultana 2015)(Dhivya, S M 2016)(Devi 2012) (Jeyam, Subhashini, and Jeyam n.d.) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Venkatachalapathi et al. 2018)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Glossocardia bidens (Retz.) Veldkamp	Asteraceae	NE	OD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Glossocardia bosvallia (L.f.) DC.	Asteraceae	NE	ENT, OT, GD	M,TN	(Shinde 2021) (Khairnar and Gadekar 2019)(Rehamn and Sultana 2015)
Glycine max (L.) Merr.	Fabaceae	NI	PB	TN	(Perumal, Maung, and Gopalakrishnakone 2008)
Glycosmis pentaphylla (Retz.) DC.,	Rutaceae	NE	GI, CVD, RD,PI, OI, C, PB	TN, kar, K	(Kalaichelvi and Dhivya 2017)(Chithra, Km, and Sp 2016)(Kalaiselvan and Gopalan 2014)(Bhat, Mulgund, and Bhat 2019)(Devi 2012)(Kalaichelvi and Dhivya 2017)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Area 2010)(Silja, Varma, and Mohanan 2008)(Mownika, Sharmila, and Ramya 2021)(Revathi 2010) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Sulochana et al. 2015)
Glycosmis mauritiana (Lam.) Tanaka	Rutaceae	NE	F, GI	TN	(Dhivya, S M 2016)
Glycyrrhiza glabra L.	Fabaceae	NI	RD, CVD, UG, PI, ENT, GI, F, GD, PI, HH	M, GJ , TN, K, Kar	(Shinde 2021) (Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Jaganathan et al. 2016)(Afr et al. 2009)(Biosci and Alagesaboopathi 2012)(Aswathi and Abdussalam 2021)(Prabhu et al. 2021)(Silambarasan et al. 2017)(Vijayan et al. 2007) (Jeyam, Subhashini, and Jeyam n.d.)(Acharya et al., 2023b)(Yogeesh and Krishnakumar 2022)
Gmelina arborea Roxb.	Lamiaceae	NE	F, PB, UG, CVD, GI, PI	GJ TN, kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004)(No 2014)(Punjani 2010)(Chithra, Km, and Sp 2016)(Pradheeps and Poyyamoli 2013)(Ignacimuthu and Ayyanar 2006)(Devi 2012)(Mohan et al. 2008) (Upadhya et al. 2012)
Gmelina asiatica L.	Lamiaceae	NE	HH, ENT, RD, D, PI, UG	TN	(J. Prakash, Ayyanar, and Sekar 2011) (Francis et al. 2014) (Ghats and Nadu 2017) (Rehamn and Sultana 2015)
Helichrysum indicum (L.) Grierson	Asteraceae	NE	F	TN	(Paulsamy et al. 2007)
Gnetum edule (Willd.) Blume,	Gnetaceae	LC	OI	TN	(Mohan et al. 2008) (Selvamony Sukumaran et al. 2020)
Gnidia glauca (Fresen.) Gilg	Thymelaeaceae	NE	PI, C, ENT	Kar M	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Bhat, Mulgund, and Bhat 2019)
Gomphrena globosa L.	Amaranthaceae	NE	UG, OI	TN	(Nadu and Nadu 2019)
Goniothalamus wightii	Annonaceae	EN,E	PI	TN	(Sutha et al. 2010) (Rani et al. 2011)
Gossypium herbaceum L.,	Malvaceae	NE	PB, RD, OT	TN	(Devi 2012)(Francis et al. 2014)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)
Graptophyllum pictum (L.) Griff.	Acanthaceae	NE	DD, PB	Kar	(Harsha et al. 2003)(Harsha et al. 2002)
Grewia damine Gaertn.	Malvaceae	NE	RD, PI, DD	TN, GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Ghats and Nadu 2017)
Grewia abutilifolia Vent. ex Juss.	Malvaceae	NE	OT, ENT, ED, GI, PI GI	TN GJ	(Rehamn and Sultana 2015)(Dhivya, S M 2016)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Vijayashalini et al. 2017)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Grewia oppositifolia Roxb. ex DC.	Malvaceae	NE	UG	TN	(Rehamn and Sultana 2015)
Grewia flavescens Juss.	Malvaceae	NE	GI, DD, GD	TN	(Ghats and Nadu 2017)(Dhivya, S M 2016)(Vijayashalini et al. 2017)
Grewia gamblei J.R.Drumm.	Malvaceae	E, EN	PB	TN	(M Ayyanar and Ignacimuthu 2005)
Grewia hirsuta Vahl	Malvaceae	NE	PI, GI, VD, OT , ND	TN GJ	(J. Prakash, Ayyanar, and Sekar 2011) (Francis et al. 2014)(Forest 2015)(Ghats and Nadu 2017)
Grewia tenax (Forssk.) Fiori	Malvaceae	NE	DD, RD, GI OT	GJ TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Ghats and Nadu 2017)
Grewia tiliifolia Vahl	Malvaceae	NE	OI, ND, GI, HH, UG,	M, TN,K, GJ	(Somkuwar, Chaudhary, and Chaturvedi 2013) Revathi 2010)(Vijayashalini et al. 2017)(Silja, Varma, and Mohanan 2008) (Desale et al. 2013)(Shinde 2021) (I and Kumar 2004) (Ghats and Nadu 2017)(Devi 2012)(KUMAR 2015)
Grewia villosa Willd.	Malvaceae	NE	PI	TN	(Ghats and Nadu 2017)
Guazuma ulmifolia Lam.	Malvaceae	NE	ND, OI	TN	(S Sukumaran and Raj 2010)(Ghats and Nadu 2017)
Gardenia resinifera Roth	Rubiaceae	NE	ND	TN	(Rehamn and Sultana 2015)
Gymnema sylvestre (Retz.) R.Br. ex Sm.	Apocynaceae	NE	D, PB, ND, UG, PI, RD, VD, DD, CVD	TN, M TN, k, Kar GJ	(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Waman and Khyade 2015)(Durairaj, Kamaraj, and Senthil 2012)(Ignacimuthu and Ayyanar 2006)(Muthu et al. 2006)(Afr et al. 2009)(Rehamn and Sultana 2015)(Sripathi and Sankari 2010)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Prabhu et al. 2021)(Mownika, Sharmila, and Ramya 2021)(Muniappan Ayyanar and Ignacimuthu 2011)(Kottaimuthu 2008)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(International 2010)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (Francis et al. 2014) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Pillai et al. n.d.)(Somkuwar, Chaudhary, and Chaturvedi 2013) (Parthiban et al. 2016) (Maru and Patel 2012)(Jeyam, Subhashini, and Jeyam n.d.)(Profile 2012)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)
Gymnosporia emarginata (Willd.) Thwaites	Celastraceae	NE	OI, PI,GI	GJ TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rehamn and Sultana 2015)
Gymnosporia royleana Wall. ex M.A.Lawson	Celastraceae	NE	PB	Kar	(Parinitha et al. 2004)
Cleome gynandra L	Cleomaceae	NE	OI,OD, GI, HH, CVD	Kar, TN	(Jeeva and Femila 2012)(Ghatapanadi, Johnson, and Rajasab 2011)(Mutheeswaran et al. 2011)
Gyrocarpus americanus Jacq.	Hernandiaceae	NE	PB	TN	(Ghats and Nadu 2017)(Francis et al. 2014)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Habenaria marginata Colebr.	Orchidaceae	EN	GD	M	(Desale et al. 2013)
Holoptelea integrifolia Planch.	Ulmaceae	NE	PI	TN	(International 2010)
Haplanthodes verticillatus (Roxb.)	Acanthaceae	EN	GI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Harpullia arborea (Blanco) Radlk.,	Sapindaceae	NE	PI	TN	(Mownika, Sharmila, and Ramya 2021)
Hedychium flavescens Carey ex Roscoe	Zingiberaceae	NI	UG, GD, GI	Kar	(Harsha et al. 2002)
Helianthus annuus L.	Asteraceae	NI	D, PB	TN	(Jeeva and Femila 2012) (Perumal, Maung, and Gopalakrishnakone 2008)(Durairaj, Kamaraj, and Senthil 2012)
Helichrysum buddleioides DC.	Asteraceae	NE	OT	TN	(Paulsamy et al. 2007)
Helichrysum bracteatum (Venten.) Willd.	asteraceae	NE	PI	TN	(Paulsamy et al. 2007)
Helichrysum hookeriana Wight. & Arn.	Asteraceae	NI	DD	TN	(Ghats 2019)
Helicteres isora L.	Malvaceae	NE	GI, D, PI, PB, DD, OD, PI	GJ, M, TN, K, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Tahsil 2021) (Arts and Reserved 2021)(Shinde 2021) (I and Kumar 2004) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008) (KUMAR 2015) (Jadeja, Odedra, and Odedra 2006)(Aadhan and Anand 2017)(Sankaranarayanan et al. 2010)(Rehamn and Sultana 2015)(Dhivya, S M 2016)(Devi 2012)(Mohan et al. 2008) (Soman 2011)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Francis et al. 2014) (Selvamony Sukumaran et al. 2020)(Jeyam, Subhashini, and Jeyam n.d.) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Ayyanar and Ignacimuthu 2005) (Francis et al. 2014) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018) (Acharya et al., 2023) (Acharya et al., 2023b)
Heliotropium indicum L.	Boraginaceae	NE	C, PI, DD, PB, ED, HH, RD	TN	(Rehamn and Sultana 2013)(Muthu et al. 2006)(Afr et al. 2009)(6) (Shanmugam et al. 2021)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Suresh et al. 2016)
Heliotropium keralense Sivarajan & Manilal	Boraginaceae	NE	PB	K	(Silja, Varma, and Mohanan 2008)
Helminthostachys zeylanica (L.) Hook.	Ophioglossaceae	NE	OI, PI, GI, ED, RD, ND, GD	W.G	(Benjamin and Manickam 2007)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Hemidesmus indicus (L.) R. Br. ex Schult.	Apocynaceae	NE	GI, PI, UG, DD, GD, HH,	GJ, K, M, TN, Kar,	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Pillai et al. n.d.)(Shinde 2021) (KUMAR 2015)(Punjani 2010)(Prabhu et al. 2021)(Mownika, Sharmila, and Ramya 2021) (Kottaimuthu 2008)(Mohan et al. 2008)(Parinitha et al. 2004)(Vijayan et al. 2007)(Silja, Varma, and Mohanan 2008) (Sutha et al. 2010) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Jaganathan et al. 2016)(Jadhav 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Waman and Khyade 2015)(Durairaj, Kamaraj, and Senthil 2012)(Ignacimuthu and Ayyanar 2006)(Muthu et al. 2006)(Manikandan 2005)(Khairnar and Gadekar 2019)(Rehamn and Sultana 2015)(Ramachandran, Joseph, and Aruna 2009)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Area 2010)(Patil and Patil 2005) (Francis et al. 2014) (Selvamony Sukumaran et al. 2020)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Ayyanar and Ignacimuthu 2005) (Perumal, Maung, and Gopalakrishnakone 2008) (Tetali et al. 2009) (Mutheeswaran et al. 2011) (Francis et al. 2014) (Venkatachalapathi et al. 2018)(Thekkan and Arts 2017)(Harsha et al. 2002)(Rodrigues 2015)(Haveli 2011)(Somkuwar, Chaudhary, and Chaturvedi 2013) (Maru and Patel 2012)(Nadu 2022)(Srinivasan et al. 2022)(Acharya et al., 2023),(Yogeesh and Krishnakumar 2022)(Acharya et al., 2023b)
Hemigraphis alternata (Burm.f.) T.Anderson	Acanthaceae	NE	PI	K	(Pillai et al. n.d.)(Deepthy and Ab 2014)(Mathews 2013)(Silja, Varma, and Mohanan 2008)
Hemionitis arifolia (Burm. f.) T. Moore	Hemionitidaceae	NI	PB, PI, GI	TN	(Rani et al. 2011) (Mohan et al. 2008) (Selvamony Sukumaran et al. 2020)
Henckelia incana (Vahl) Spreng.	Gesneriaceae	EN	F	TN	(Kottaimuthu 2008)(International 2010)
Heracleum grande (Dalzell & A. Gibson) Mukhop.	Apiaceae	NE	GI	M	(Kamble et al. 2008)
Heracleum grande (Dalzell & A. Gibson) Mukhop.	Apiaceae	EN	OI	M	(Khairnar and Gadekar 2019)
Heterophragma quadriloculare (Roxb.) K.Schum.	Bignoniaceae	EN	DD, D, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Khairnar and Gadekar 2019)(Somkuwar, Chaudhary, and Chaturvedi 2013)
Heteropogon contortus (L.) P.Beauv. ex Roem. & Schult.	Poaceae	NE	OD, GI, PB	K,TN	(Nair 2015)(Devi 2012)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Hevea brasiliensis (Willd. ex A.Juss.) Müll.Arg.	Euphorbiaceae	NE	OT	TN	(Kalaichelvi and Dhivya 2017)
Hibiscus cannabinus L.	Malvaceae	NE	OI, UG, GI	TN,M	(Saranraj, Bhavani, and Suganthi 2016)(Chandanshive et al. 2022)
Hibiscus esculentus	malvaceae	NE	D	M	(Shiragave 2015)
Hibiscus hispidissimus Griff.	Malvaceae	NE	DD	TN	(Dhivya, S M 2016)
Hibiscus lobatus (Murray) Kuntze	malvaceae	NE	UG	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Hibiscus micranthus L.f.	Malvaceae	NE	RD, GI, PI, UG	TN, kar	(Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Ghats and Nadu 2017)
Hibiscus rosa-sinensis L.	Malvaceae	NE	HH, CVD, STD, UG, GI, PI, DD, GD, ED, D, OT	Kar, M, TN, K, GJ	(Prabhu et al. 2021)(Jain et al. 2010)(Harsha et al. 2002) (Sakarkar, Sakarkaf, and Sakarkar 2004) (Parthiban et al. 2016)(Jeyam, Subhashini, and Jeyam n.d.)(Profile 2012)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018) (Natarajan et al. 2013)(Muthu et al. 2006) (Sankaranarayanan et al. 2010)(Devi 2012) (Saranraj, Bhavani, and Suganthi 2016) (Muniappan Ayyanar and Ignacimuthu 2011) (International 2010)(Parinitha et al. 2004)(Silja, Varma, and Mohanan 2008) (Sahyadri 2012) (Desale et al. 2013) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Arts and Reserved 2021) (Mitaliya, Patel, and Dodia 2003)(Acharya et al., 2023b)
Hibiscus vitifolius L.	Malvaceae	NE	GI, RD, STD, OI	TN	(Shanmugam, Rajendran, and Suresh 2012)(Vijayashalini et al. 2017)
Hildegardia populifolia Schott & Endl	Malvaceae	CR , EN	F, PB DD	TN	(Thekkan and Arts 2017)
Reissantia indica (Willd.) N. Hallé,	Celastraceae	NE	DD, RD	TN, Kar	(Rehamn and Sultana 2015)(Acharya et al., 2023)
Loeseneriella obtusifolia (Roxb.) A.C.Sm	Celastraceae	NE	OT	TN	(Rehamn and Sultana 2015)
Hiptage benghalensis (L.) Kurz	Malpighiaceae	NE	DD	TN	(Rani et al. 2011)
Holarrhena pubescens Wall. ex G. Don	Apocynaceae	LC	D, GI, PB, GD, UG, OI, RD, STD, VD, PI, HH	G, GJ, Kar, TN,M, K	(Forest 2015)(I and Kumar 2004) (KUMAR 2015)(Rodrigues 2015)(Maru and Patel 2012)(Harsha 2004)(J. Prakash, Ayyanar, and Sekar 2011)(Soman 2011)(Parinitha et al. 2004)(Chithra, Km, and Sp 2016)(Waman and Khyade 2015)(Mathews 2013)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Jadeja, Odedra, and Odedra 2006)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Kottaimuthu 2008) (Sahyadri 2012) (Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Holigarna arnottiana Hook.f.	Anacardiaceae	EN	PI, DD	Kar	(Harsha et al. 2002)(Acharya et al., 2023)
Holigarna grahamii (Wight) Kurz,	Anacardiaceae	LC EN	PI	Kar	(Upadhya et al. 2012)
Holoptelea integrifolia Planch	Ulmaceae	NE	PI, OT, D, DD, GI, DD, PB, OD, UG	TN GJ, M, Kar	(Rehamn and Sultana 2015)(Devi 2012) (Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shinde 2021) (I and Kumar 2004) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008) (KUMAR 2015)(Mownika, Sharmila, and Ramya 2021)(Parinitha et al. 2004)(Patil and Patil 2005) (Sahyadri 2012)(Harsha et al. 2003)(Jeyam, Subhashini, and Jeyam n.d.)(Acharya et al., 2023b)
Holostemma ada-kodien Schult.	Apocynaceae	NE	GD, OT, ED, OI, UG, D, RD	TN , K, GJ, M	(Vijayan et al. 2007) (Silja, Varma, and Mohanan 2008)(Chithra, Km, and Sp 2016)(Pillai et al. n.d.)(Jeyam, Subhashini, and Jeyam n.d.)(Punjani 2010) (Jayakumar et al. 2010) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008)(Somkuwar, Chaudhary, and Chaturvedi 2013)
Hordeum vulgare L.	poaceae	NE	ENT, D	GJ, K	(Shah, Sheth, and Parabia 2012) (Jayakumar et al. 2010)
Hoya alexicaca (Jacq.) Moon	Apocynaceae	EN	DD	M	(Waman and Khyade 2015)
Hugonia mystax	Linaceae	NE	PI, GI, PB	TN	(Sutha et al. 2010) (Range and Nadu 2017)(Rani et al. 2011)(Rehamn and Sultana 2015)(Francis et al. 2014)(Jenipher and Ayyanar 2022)
Humboldtia decurrens Oliv.	Fabaceae		PB	K	(Sulochana et al. 2015)
Humboldtia unijuga Bedd.	Fabaceae	E, EN	HH	K	(Vijayan et al. 2007)
Hybanthus enneaspermus (L.) F.Muell.	Violaceae	NE	OT, GD, UG, GI, ND, PI	TN, Kar	(Range and Nadu 2017)(Rehamn and Sultana 2013)(Muthu et al. 2006)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Silambarasan et al. 2017) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Prabhu et al. 2021) (Kottaimuthu 2008) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012)(Nadu 2022)(Acharya et al., 2023b)
Hydnocarpus pentandrus (Buch.-Ham.) Oken	Achariaceae	LC EN	HH, OT, DD	K TN	(Thirumurthy and Mol 2020)(Area 2010)(Silja, Varma, and Mohanan 2008) (Chithra, Km, and Sp 2016) (Pillai et al. n.d.)
Hydnocarpus wightianus Blume	Achariaceae	EN	DD, PI	G, TN	(Rodrigues 2015) (Kottaimuthu 2008)
Hydrilla verticillata (L.f.) Royle	Hydrocharitaceae	LC	PI	TN	(Shanmugam et al. 2021)(Suresh et al. 2016)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Centella asiatica (L.) Urb.	Apiaceae	LC	OD, HH, F, ND	TN	(Manikandan 2005)(Aiwale et al. 2022)
Hydrocotyle javanica Thunb.	Araliaceae	LC	OT	TN	(Paulsamy et al. 2007)
Hydrolea zeylanica (L.) Vahl	Boraginaceae	LC	PI	TN	(Shanmugam et al. 2021) (Ghats and Nadu 2017)(Suresh et al. 2016)
Hygrophila ringens (L.) Steud.	Acanthaceae	NE	OI	TN	(Vijayashalini et al. 2017)
Hygrophila auriculata (Schumach.) Heine	Acanthaceae	LC	GI, PI, VD, RD, UG, GD, OI, PB	GJ, TN, M	(KUMAR 2015) (Muniappan Ayyanar and Ignacimuthu 2011)(Jeyaprakash et al. 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Shanmugam, Rajendran, and Suresh 2012) (Jain et al. 2010)(Jeyam, Subhashini, and Jeyam n.d.) (Silambarasan et al. 2017) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Dhivya, S M 2016)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Shiragave 2015)(Mutheeswaran et al. 2011)(Deepthy and Ab 2014)(Silja, Varma, and Mohanan 2008)(Jaganathan et al. 2016)(Khairnar and Gadekar 2019)(Nadu 2022)
*Hymenodictyon orixense (*Roxb.) Mabb.	Rubiaceae	NE	DD, GI, F, OT , PB	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(I and Kumar 2004)
Hymenophyllum javanicum Spreng.	hymenophyllaceae	NI	HH	W.G	(Benjamin and Manickam 2007)
Hypochaeris glabra L.	Asteraceae	NE	OT	TN	(Paulsamy et al. 2007)
Hypochoeris radicata L.	Asteraceae	NE	PI	TN	(Thekkan and Arts 2017)
Hypodematium crenatum (Forssk.) Kuhn	Dryopteridaceae	NE	OI,GD	W.G	(Benjamin and Manickam 2007)
Hypolepis resistens (Kze.) Hook.,	Dennstaedtiaceae	NE	PI	W.G	(Benjamin and Manickam 2007)
Hyptis suaveolens (L.) Poit.	Lamiaceae	NE	F, GI, OI, F, PI	GJ M Kar TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Natarajan and Paulsen 2000)(Dhivya, S M 2016)(Prashantkumar and Vidyasagar 2008)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Venkatachalapathi et al. 2018)
Ichnocarpus frutescens (L.) W.T.Aiton	Apocynaceae	NE	PI, GI, UG, F, DD, D	K, Kar TN	(Circle 2014) (Area 2010) (9)(Silja, Varma, and Mohanan 2008) (Rehamn and Sultana 2015)
Indigofera aspalathoides DC	Fabaceae	NE	PB, C, OD, DD	TN	(Francis et al. 2014) (Sankaranarayanan et al. 2010)(Devi 2012) (Revathi 2010) (Mutheeswaran et al. 2011)
Indigofera tinctoria L.	Fabaceae	NE	DD, HH , PB, UG, GI, OT , PI	K, TN, M, Kar	(Jaganathan et al. 2016) (Jeyam, Subhashini, and Jeyam n.d.) (Sulochana et al. 2015)(Pillai et al. n.d.) (Aswathi and Abdussalam 2021)(Area 2010)(Umapriya et al. 2011)(Patil and Patil 2005)(Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)(Kalaichelvi and Dhivya 2017)(Chithra, Km, and Sp 2016)(Rehamn and Sultana 2013)(Dahariya et al. 2020)(Acharya et al., 2023)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Indigofera cassioides DC.	Fabaceae	NE	RD, CVD	K	(Aswathi and Abdussalam 2021)
Indigofera cordifolia Roth	Fabaceae	NE	PI, DD	GJ TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Jadeja, Odedra, and Odedra 2006)(Rehamn and Sultana 2015)
Indigofera glabra L.	Fabaceae	NE	F	K	(Aswathi and Abdussalam 2021)
Indigofera linifolia (L.f.) Retz.	Fabaceae	LC	VD, DD,OI	GJ TN kar	(Maina, Kumar, and Prasad 2016) (Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rehamn and Sultana 2015)(Prashantkumar and Vidyasagar 2008)
Indigofera longeracemosa Boiv ex Bail	Fabaceae	NI	PI, DD	TN	(Rani et al. 2011)
Indigofera parviflora F. Heyne ex Hook. & Arn	Fabaceae	NE	OI	TN	(Mutheeswaran et al. 2011)
Indigofera wightii Wight & Arn	Fabaceae	NE	GI	TN	(Rani et al. 2011)
Andrographis echioides (L.f.) Nees	Acanthaceae	NE	DD, RD, PI	TN	(Shanmugam, Rajendran, and Suresh 2012)(Nadu 2022)
Hybanthus enneaspermus (L.) F.Muell.	Violaceae	NE	GD	TN	(J. Prakash, Ayyanar, and Sekar 2011)
Merremia aegyptia (L.) Urb.	Convolvulaceae	NE	F, RD	TN	(Ghats and Nadu 2017)
Ipomoea batatas (L.) Lam	Convolvulaceae	NE	F, RD, UG, GI, D, OT	TN	(Ramanathan et al. 2014)(Prabhu et al. 2021) (International 2010)
*Ichnocarpus frutescens (*L.) W.T.Aiton	Apocynaceae	NE	DD	TN	(Samy and Ignacimuthu 2000)
Ipomoea campanulata L.	Convolvulaceae	NE	OI	M	(Khairnar and Gadekar 2019)
Ipomoea marginata (Desr.) H. Manitz	Convolvulaceae	NE	GD, UG	K	(Silja, Varma, and Mohanan 2008)
Ipomoea obscura (L.) Ker Gawl.,	Convolvulaceae	NE	PI, GI, ED, RD, CVD, PB	Kar,TN	(Pradheeps and Poyyamoli 2013)(Dhivya, S M 2016)(Sripathi and Sankari 2010)(Devi 2012)(Jeyam, Subhashini, and Jeyam n.d.)(Ayyanar and Ignacimuthu 2005) (Shanmugam, Rajendran, and Suresh 2012) (Thekkan and Arts 2017)
Jacquemontia paniculata (Burm. f.) Hallier f.	Convolvulaceae	NE	GD	TN	(Mutheeswaran et al. 2011)
Ipomoea pes-caprae (L.) R.Br.	Convolvulaceae	NE	RD	GJ	(Shah, Sheth, and Parabia 2011) (Shah, Sheth, and Parabia 2012)
Ipomoea pes-tigridis L.	Convolvulaceae	NE	PB, GD	K M, TN	(Thirumurthy and Mol 2020)(Vijayan et al. 2007) (Khairnar and Gadekar 2019)(Shanmugam, Rajendran, and Suresh 2012) (Shinde 2021)
Ipomoea quamoclit L.	Convolvulaceae	NE	ENT	K	(Vijayan et al. 2007)
Merremia emarginata (Burm. f.) Hallier f.	Convolvulaceae	LC	D, PI, PB	TN, Kar	(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Dahariya et al. 2020)
Ipomoea staphylina Roem. & Schult.	convolvulaceae	NE	PI , GI	TN	(Venkatachalapathi et al. 2018)(Kottaimuthu 2008)
Ipomoea aquatica Forssk.	Convolvulaceae	LC	ED	TN	(Shanmugam, Rajendran, and Suresh 2012)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Ipomoea biflora (L.) Pers.	Convolvulaceae	NE	PB	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Ipomoea carnea Jacq.	Convolvulaceae	NE	PI, F, GI	TN	(Shanmugam et al. 2021)(Suresh et al. 2016)(Aiwale et al. 2022)
Ipomoea lacunosa L.,	Convolvulaceae	NI	PI	TN	(Bosco and Arumugam 2012)
Ipomoea nil (L.) Roth	Convolvulaceae	NE	OT	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Isachne kunthiana (Wight & Arn. ex Steud.) Miq.	Poaceae	NE	OT	TN	(Ghats 2019) (Paulsamy et al. 2007)
Isachne globosa (Thunb.) Kuntze	Poaceae	EN	RD, OT	K	(Nair 2015)
Calamaria coromandelina (L. f.) Kuntze	Isoetaceae	R	GI	W.G	(Benjamin and Manickam 2007)
Isonandra lanceolata Wight	Sapotaceae	NE	PB, PI	TN	(M Ayyanar and Ignacimuthu 2005) (Sutha et al. 2010) (Rani et al. 2011)
Ixora pavetta Andr.	Rubiaceae	NE	ND	M	(Tahsil 2021)
Ixora brachiata Roxb.,	Rubiaceae	NE	PI, PB	M, Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Acharya et al., 2023b)
Ixora coccinea L.	Rubiaceae	NE	GI, PI, DD, UG, GD, F, IH	TN,Kar, K	(Saranraj, Bhavani, and Suganthi 2016)(Mohan et al. 2008)(M Ayyanar 2016) (Sahyadri 2012)(Chithra, Km, and Sp 2016)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Harsha 2004)(Sankaranarayanan et al. 2010)(Afr et al. 2009)(Devi 2012)(Jeeva and Femila 2012)(Pillai et al. n.d.)(Acharya et al., 2023b)
Jasminum angustifolium (L.) Willd.	Oleaceae	NE	GI, DD, OT, PI	TN	(Arts and Reserved 2021)(Revathi 2010) (Ghats and Nadu 2017)(Devi 2012)
Jasminum auriculatum Vahl	Oleaceae	NE	PI	Kar,TN	(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2015)
Jasminum cuspidatum Rottl. & Willd.	Oleaceae	NE	OI, F, PI	TN	(Ghats and Nadu 2017)
Jasminum grandiflorum L.	Oleaceae	NE	PI, OD, GD, ENT	K, M, TN, Kar	(Silja, Varma, and Mohanan 2008)(Tahsil 2021)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Nadu 2022)(Acharya et al., 2023)
Jasminum indicum, Folifs	Oleaceae	NI	OI,	TN	(Kalaichelvi and Dhivya 2017)
Jasminum multiflorum (Burm.f.) Andrews	Oleaceae	NE	GD, PI	M, GJ	(Natarajan and Paulsen 2000)(KUMAR 2015)
Jasminum sambac (L.) Aiton	Oleaceae	NE	F, ENT, GD	M Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013) (Parinitha et al. 2004)(Chandanshive et al. 2022)
Jasminum trichotomum B.Heyne ex Roth	Oleaceae	EN	OT	TN	(Rehamn and Sultana 2015)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Jatropha curcas L.	Euphorbiaceae	NE	OD, GD, GI, HH, DD, ENT, PI, OI, F, HH	K, M, TN, Kar, GJ	(Shiragave 2015), (Palanisamy, Sasikala, and Natarajan 2020)(Harsha 2004)(Devi 2012)(Biosci and Alagesaboopathi 2012) (Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Arts and Reserved 2021)(Shinde 2021)(Forest 2015)(Mownika, Sharmila, and Ramya 2021)(Pradheeps and Poyyamoli 2013)(Natarajan et al. 2013)(Khairnar and Gadekar 2019)(Harsha et al. 2003)(Circle 2014) (Jain et al. 2010)(Jothi, Benniamin, and Manickam 2008)(Revathi 2010) (Tetali et al. 2009) (Pushpakarani and Natarajan 2014)(Mohan et al. 2008)(Umapriya et al. 2011) (Ganesan, Suresh, and Kesaven 2004)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Sahyadri 2012) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)
Jatropha glandulifera Roxb.	Euphorbiaceae	NE	GI, OD, PI	TN, Kar	(Kalaichelvi and Dhivya 2017)(Dhivya, S M 2016)(International 2010)(Jothi, Benniamin, and Manickam 2008)(Acharya et al., 2023b)
Jatropha gossypiifolia L.	Euphorbiaceae	NE	PI, F, UG, D, OD, GI, GD, DD, C	TN,Kar	(Jothi, Benniamin, and Manickam 2008)(Jeyam, Subhashini, and Jeyam n.d.) (Venkatachalapathi et al. 2018)(Muniappan Ayyanar and Ignacimuthu 2011)(M Ayyanar 2016) (Sutha et al. 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Ghats and Nadu 2017)(Nadu and Nadu 2019)(Rehamn and Sultana 2013)(Rani et al. 2011)(Devi 2012)
Jatropha villosa Wight	Euphorbiaceae	NE	OI	TN	(Kottaimuthu 2008)
Justicia beddomei (C.B.Clarke) Bennet	Acanthaceae	EN	DD	K	(Deepthy and Ab 2014)
Justicia betonica L.	Acanthaceae	NE	GI	TN	(Vijayashalini et al. 2017)
Justicia diffusa Willd.	Acanthaceae	NE	DD, OD	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
*Justicia gendarussa Bu*rm. f.	Acanthaceae	NE	PI, HH	TN, K, Kar	(Circle 2014)(Chithra, Km, and Sp 2016)(Venkatachalapathi et al. 2018) (Silja, Varma, and Mohanan 2008)(Nadu 2022)(Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022)
Justicia japonica Thunb.	Acanthaceae	NE	GI, OT, OI, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Ghats 2019)(Sankaranarayanan et al. 2010)(Devi 2012)(Jeeva and Femila 2012) (Paulsamy et al. 2007)
Justicia procumbens L.	Acanthaceae	NE	GI, RD, PI,	GJ TN	(Mownika, Sharmila, and Ramya 2021)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Justicia tranquebariensis Roxb	Acanthaceae	NE	D, OI,	TN	(Profile 2012)(J. Prakash, Ayyanar, and Sekar 2011)(Rehamn and Sultana 2015)(Dhivya, S M 2016)
Kaempferia galanga L.	Zingiberaceae	NE	HH, PB, DD	K, TN, Kar	(Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)(Acharya et al., 2023)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Bryophyllum pinnatum (Lam.) Oken	Crassulaceae	NE	PI, RD, OT, PB, GI	G,M, TN	(Rodrigues 2015)(Natarajan and Paulsen 2000)(Muniappan Ayyanar and Ignacimuthu 2011) (Francis et al. 2014) (Tahsil 2021)(Bosco and Arumugam 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Chandanshive et al. 2022)
Kalanchoe delagoensis Eckl. & Zeyh.	Crassulaceae	NI	UG, PI	TN	(Francis et al. 2014)
Kalanchoe laciniata (L.) DC.	Crassulaceae	EN	DD, PI	TN	(Jeyam, Subhashini, and Jeyam n.d.) (Circle 2014)
Kalanchoe laciniata (L.) DC.,	Crassulaceae	NE	GI	K	(Pillai et al. n.d.)
Kedrostis foetidissima (Jacq.) Cogn.	Cucurbitaceae	NE	C, GI, RD	TN	(Thekkan and Arts 2017)
Kedrostis rostrata (Rottler) Cogn.	Cucurbitaceae	NE	GI, RD	M	(Patil and Patil 2005)
Kingiodendron pinnatum (DC.) Harms	Fabaceae	EN, VU	UG, PI	K TN	(Aswathi and Abdussalam 2021) (Sutha et al. 2010) (Selvamony Sukumaran et al. 2020)
Phyllanthus reticulatus Poir	Phyllanthaceae	NE	GI, GD, DD	Kar TN	(Harsha et al. 2002)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Kleinia grandiflora (Wallich ex DC.) N.Rani	Asteraceae	NE	ENT, GI	TN	(Ayyanar and Ignacimuthu 2005)(Kottaimuthu 2008) (Francis et al. 2014)
Knoxia sumatrensis (Retz.) DC	Rubiaceae	NE	PI	TN	(M Ayyanar 2016)
Kydia calycina Roxb.	Malvaceae	NE	PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (KUMAR 2015)
Kyllinga melanosperma subsp. bifolia (Miq.) Karthik.	Cyperaceae	NE	PI	TN	(M Ayyanar 2016)
Kyllinga nemoralis (J.R.Forst. & G.Forst.) Dandy ex Hutch. & Dalziel	Cyperaceae	LC	OI	TN, K	(Vijayashalini et al. 2017)(Silja, Varma, and Mohanan 2008)
Lablab purpureus (L.) Sweet	Fabaceae	NE	STD, GD, GI DD	GJ TN, Kar	(I and Kumar 2004) (Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Saranraj, Bhavani, and Suganthi 2016)(Jeyam, Subhashini, and Jeyam n.d.)(Umapriya et al. 2011)(Acharya et al., 2023b)
Lactuca sativa L.	Asteraceae	NE	OI	TN	(Saranraj, Bhavani, and Suganthi 2016)
Lagenaria siceraria (Molina) Standl.,	Cucurbitaceae	NI	RD, F, PI, DD, OD, STD , HH, GD	TN M, GJ	(Saranraj, Bhavani, and Suganthi 2016)(Shinde 2021)(Atel and Atel 2012) (Mitaliya, Patel, and Dodia 2003)(Prabhu et al. 2021)(Jain et al. 2010) (Sakarkar, Sakarkaf, and Sakarkar 2004) (Atel and Atel 2012)(Silambarasan et al. 2017)(Srinivasan et al. 2022)
Lagerstroemia indica L.	Lythraceae	NE	GI	GJ	(Jadeja, Odedra, and Odedra 2006)
Lagerstroemia microcarpa Wight	Lythraceae	NE	GD	K	(Augustine, Kr, and Pp 2010)
Lagerstroemia parviflora Roxb	Lythraceae	NE	GI, UG, D	GJ M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Desale et al. 2013)
Lagerstroemia speciosa (L.) Pers.	Lythraceae	NE	OT	TN	(Chithra, Km, and Sp 2016)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Laggera alata (D.Don) Sch.Bip. ex Oliv.	Asteraceae	NE	OI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Lannea coromandelica (Houtt.) Merr.	Anacardiaceae	NE	VD, GI, PI, ED, PI	TN M GJ K	(Parthiban et al. 2016) (Kamble et al. 2008)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004)(Augustine, Kr, and Pp 2010)(Tahsil 2021)(Khairnar and Gadekar 2019)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Mutheeswaran et al. 2011)
Lantana camara subsp. aculeata (L.) R.W.Sanders	Verbenaceae	NI	GI, C, PI, OI	GJ TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rehamn and Sultana 2015)
Lantana camara L.	Verbenaceae	NE	PB, PI, GI, HH, OI, F, OD	TN, kar, M K, GJ	(Mohan et al. 2008) (International 2010)(Umapriya et al. 2011)(Prashantkumar and Vidyasagar 2008) (Desale et al. 2013) (Selvamony Sukumaran et al. 2020)(Circle 2014)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Tetali et al. 2009)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Ayyanar and Ignacimuthu 2005) (Venkatachalapathi et al. 2018)(Pillai et al. n.d.)(Forest 2015)(Shiragave 2015)(Jadhav 2016)(Kalaichelvi and Dhivya 2017)(Nadu and Nadu 2019)(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2013)(Rani et al. 2011)(Muthu et al. 2006)(Afr et al. 2009)(Hosamani et al. 2012)(Devi 2012)(Revathi 2010)
Lantana indica Roxb	Verbenaceae	NE	PB, PI OI	TN	(Jaganathan et al. 2016)(Jeyam, Subhashini, and Jeyam n.d.) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Lantana veronicifolia Hayek	Verbenaceae	EN	DD, GI	TN	(Devi 2012) (Revathi 2010) (Kottaimuthu 2008)
Pseudognaphalium luteoalbum (L.) Hilliard & B.L.Burtt	Asteraceae	NE	GI, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Laportea bulbifera (Siebold & Zucc.) Wedd.	Urticaceae	NE	ED	TN	(Paulsamy et al. 2007)
Launaea acaulis (Roxb.) Kerr	Asteraceae	NE	OT, GI, PB, DD, PI, GD	M	(Jain et al. 2010)
Launaea sarmentosa (Willd.) Sch.Bip. ex Kuntze	Asteraceae	NE	F, GI, DD, GD, ENT	TN, M	(Revathi 2010) (Tetali et al. 2009)(Chandanshive et al. 2022)
Launaea procumbens (Roxb.) Ramayya & Rajagopal	Asteraceae	NE	ED, UG	GJ	(KUMAR 2015)
Lavandula bipinnata (Roth) Kuntze	Lamiaceae	NE	PB, GI	GJ, M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shinde 2021) (Desale et al. 2013)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Lawsonia inermis L	Lythraceae	NE	HH, DD, GD, PI, RD, UG, OI, OD, IH, GI	Kar, M, TN, GJ, K	(Harsha et al. 2003) (Sakarkar, Sakarkaf, and Sakarkar 2004)(Arts and Reserved 2021) (Yasothkumar 2021)(Shanmugam et al. 2021) (Mitaliya, Patel, and Dodia 2003)(Muniappan Ayyanar and Ignacimuthu 2011)(International 2010)(Parinitha et al. 2004)(Prashantkumar and Vidyasagar 2008)(Silja, Varma, and Mohanan 2008) (Ghatapanadi, Johnson, and Rajasab 2011) (Desale et al. 2013) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Shiragave 2015)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Rehamn and Sultana 2013)(Rani et al. 2011)(Natarajan et al. 2013) (Muthu et al. 2006)(Manikandan 2005)(Hosamani et al. 2012)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Prabhu et al. 2021)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Jeeva and Femila 2012) (Mutheeswaran et al. 2011)(Suresh et al. 2016)(Srinivasan et al. 2022)(Acharya et al., 2023) (Jenipher and Ayyanar 2022), (Yogeesh and Krishnakumar 2022) (Acharya et al., 2023), (Yogeesh and Krishnakumar 2022) (Acharya et al., 2023b)
Leea indica (Burm. f.) Merr	Vitaceae	NE	PI, GI	Kar TN,K M	(Bhat, Mulgund, and Bhat 2019)(Somkuwar, Chaudhary, and Chaturvedi 2013)(J. Prakash, Ayyanar, and Sekar 2011)(Area 2010) (Sutha et al. 2010)(Thirumurthy and Mol 2020)(J. W. Prakash et al. 2008)
Leonotis nepetifolia var. africana (P.Beauv.) J.K.Morton	Lamiaceae	NE	C, PI, DD, F, OI, D	TN, kar	(Range and Nadu 2017)(Kalaichelvi and Dhivya 2017)(Dhivya, S M 2016)(Venkatachalapathi et al. 2018)(Vijayashalini et al. 2017) (Prashantkumar and Vidyasagar 2008)
Piper umbellatum L	Piperaceae	NE	PB	TN	(Rani et al. 2011)
Lepidagathis trinervis Nees	Acanthaceae	NE	DD, OT	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Lepidagathis cristata Wild	Acanthaceae	NE	DD, F, DD	M TN	(Shinde 2021) (Rehamn and Sultana 2015)
Lepidagathis cuspidata Nees	Acanthaceae	EN	F, DD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Leptadenia pyrotechnica (Forssk.) Decne.	Apocynaceae	NE	OI	GJ	(Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008)
Leptadenia reticulata (Retz.) Wight & Arn.	Apocynaceae	NE	DD, RD, PI	GJ, TN,M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Jeyam, Subhashini, and Jeyam n.d.) (Ghats and Nadu 2017) (Waman and Khyade 2015)
Leucaena leucocephala (Lam.) de Wit	Fabaceae	NE	PI	GJ K	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Aswathi and Abdussalam 2021)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Leucas aspera (Willd.) Link	Lamiaceae	NE	OI, RD, VD, DD, PI, F, HH, PB, ED, OD, STD, F, ID, GI	GJ, Kar, TN, M	(Harsha et al. 2002)(Harsha et al. 2003)(Shanmugam, Rajendran, and Suresh 2012) (Parthiban et al. 2016)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Arts and Reserved 2021) (KUMAR 2015)(Prabhu et al. 2021)(Mownika, Sharmila, and Ramya 2021)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008) (Samy and Ignacimuthu 2000)(5)(International 2010)(Umapriya et al. 2011)(Parinitha et al. 2004) (Silja, Varma, and Mohanan 2008) (Ghatapanadi, Johnson, and Rajasab 2011) (Chandanshive et al. 2022)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2013)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Muthu et al. 2006)(Afr et al. 2009)(Manikandan 2005)(Hosamani et al. 2012)(Dhivya, S M 2016)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Tetali et al. 2009) (Mutheeswaran et al. 2011)(Srinivasan et al. 2022)
Leucas biflora (Vahl) R.Br. ex Sm	Lamiaceae	NE	HH, F, DD , PB	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(M Ayyanar and Ignacimuthu 2005)
Leucas cephalotes (Roth) Spreng.	Lamiaceae	NE	PI, UG, F, PB, DD, OI	GJ M TN	(Punjani 2010) (Somkuwar, Chaudhary, and Chaturvedi 2013) (Perumal, Maung, and Gopalakrishnakone 2008) (Pushpakarani and Natarajan 2014)
Leucas lanata Benth.,	Lamiaceae	NE	DD, F, PI, PB, OI	TN	(Mownika, Sharmila, and Ramya 2021)(Ghats and Nadu 2017)
Leucas longifolia Benth.	Lamiaceae	NE	PI, RD, ENT, F, HH, PB	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Leucas angularis Benth.,	Lamiaceae	NE	VD	Kar	(Sahyadri 2012)
Leucas martinicensis (Jacq.) R.Br.	Lamiaceae	NE	HH, F	TN	(Ganesan, Suresh, and Kesaven 2004)
Leucas pubescens, Benth.	Lamiaceae	EN , E	F, OI	TN	(Range and Nadu 2017)(Vijayashalini et al. 2017)
Leucas zeylanica (L.) W.T.Aiton	Lamiaceae	NE	GI,	M	(Jain et al. 2010)
Leucostegia truncata (D. Don) Fraser-Jenk.,	Hypodematiaceae	NE	GI, PI	W.G	(Benjamin and Manickam 2007)
Leucas martinicensis (Jacq.) R.Br.	Lamiaceae	NE	PI	TN	(J. Prakash, Ayyanar, and Sekar 2011)
Ligustrum vulgare, L.	Oleaceae	NI	OI	TN	(Ghats and Nadu 2017)
Ligustrum robustum subsp. walkeri (Decne.) P.S.Green,	Oleaceae	NE	OT	TN	(Rehamn and Sultana 2015)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Limnophila indica (L.) Druce,	Plantaginaceae	LC	GI, F, OI	TN	(Sankaranarayanan et al. 2010)
Limnophila heterophylla (Roxb.) Benth.	Plantaginaceae	LC	OI	TN	(Vijayashalini et al. 2017)(Manikandan 2005)
*Limonia acidissima G*roff	Rutaceae	NE	GD, RD, STD, OI, PB, OD	TN M, Kar	(Silambarasan et al. 2017) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Kamble et al. 2008)(Dahariya et al. 2020)(Chandanshive et al. 2022)(Srinivasan et al. 2022)
Pleiospermium alatum (Wight & Arn.) Swingle,	Rutaceae	NE	OT	TN	(Rehamn and Sultana 2015)
*Lindernia caespitos*a (Blume) Panigrahi	Scorphulariaceae	LC	F, RD, PI	TN	(Range and Nadu 2017)
Chionanthus zeylanicus L.,	Oleaceae	NE	OT	TN	(Rehamn and Sultana 2015)
Linum usitatissimum L.,	Linaceae	NE	HH	GJ M	(Shah, Sheth, and Parabia 2012) (Mitaliya, Patel, and Dodia 2003) (Jadeja, Odedra, and Odedra 2006)(Sakarkar, Sakarkaf, and Sakarkar 2004)
Lippia javanica (Burm.f.) Spreng.	Verbenaceae	NE	GI	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Phyla nodiflora (L.) Greene	Verbanaceae	LC	HH, PI, DD, GD, RD, C	TN	(Prabhu et al. 2021) (Rehamn and Sultana 2013)(Muthu et al. 2006)(Afr et al. 2009)(Rehamn and Sultana 2015) (Dhivya, S M 2016)(Jeyam, Subhashini, and Jeyam n.d.)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)
Litsea floribunda (Bl.) Gamble	Lauraceae	EN	OI	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Litsea glutinosa (Lour.) C.B. Robinson	Lauracea	NE	UG, OT	M	(Tahsil 2021)
Litsea ligustrina (Nees) Fern.-Vill.	Lauraceae	NI	PB	TN	(M Ayyanar and Ignacimuthu 2005)
Litsea scrobiculata, Meisn.	Lauraceae	EN	GI, PI	TN	(Ghats and Nadu 2017)
Lobelia heyneana Roem. & Schult.	Campanulaceae	NE	PI, DD	TN	(Ganesan, Suresh, and Kesaven 2004) (Ignacimuthu and Ayyanar 2006) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
*Lobelia nicotianifoli*a Roth ex Schult.	Campanulaceae	NE	HH, RD, OD, PI	TN, Kar, K,	(Thekkan and Arts 2017)(Harsha et al. 2002)(Harsha et al. 2003)(Bhat, Mulgund, and Bhat 2019)(Silja, Varma, and Mohanan 2008) (Sahyadri 2012)
Lonicera japonica Thunb.	Caprifoliaceae	NE	PI, RD, DD, C	TN	(Mownika, Sharmila, and Ramya 2021)(Ghats and Nadu 2017)
Hybanthus enneaspermus (L.) F.Muell	Violaceae	NE	ND	TN	(Rehamn and Sultana 2015)
*Dendrophthoe falcata (*L.f.) Ettingsh.	Loranthaceae	NE	GD, OI, RD, UG	TN,M	(Ghats and Nadu 2017)(Venkatachalapathi et al. 2018)(Chandanshive et al. 2022)
Ludwigia octovalvis (Jacq.) P.H.Raven	Onagraceae	LC	HH, VD, GI, ND, PI	TN	(J. Prakash, Ayyanar, and Sekar 2011) (Ghats and Nadu 2017) (Manikandan 2005)(Mownika, Sharmila, and Ramya 2021)
Ludwigia peruviana (L.) H.Hara	Onagraceae	NE	GI, OI	TN	(Ghats and Nadu 2017)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Luffa acutangula (L.) Roxb	Cucurbitaceae	NE	PI, D, OI	GJ, G, TN	(Jadeja, Odedra, and Odedra 2006)(Rodrigues 2015)(Srinivasan et al. 2022)
Luffa cylindrica (L.) M.Roem	Cucurbitaceae	NE	PI, F	TN M, K	(Shanmugam et al. 2021) (Patil and Patil 2005) (Silja, Varma, and Mohanan 2008) (Suresh et al. 2016)
Luffa echinata Roxb.	Cucurbitaceae	NE	PI, PB	GJ, Kar	(Jadeja, Odedra, and Odedra 2006) (Dahariya et al. 2020)
Lycianthes bigeminata (Nees) Bitter	solanaceae	NE	PI	TN	(Paulsamy et al. 2007)
Lycopersicon esculentum Mill.	solanaceae	NI	GD	K	(Augustine, Kr, and Pp 2010)
Huperzia phlegmaria (L.) Rothm.	Lycopodiaceae	NI	DD	TN	(Jeyam, Subhashini, and Jeyam n.d.)
Lygodium flexuosum (L.) Sw	Lygodiaceae	NE	PI, DD, RD, STD, OI, ENT	Kar W.G	(Harsha 2004) (Benjamin and Manickam 2007)(Acharya et al., 2023)
Lygodium microphyllum (Cav.) R.Br.	Lygodiaceae	NE	GI, DD, PI	W.G	(Benjamin and Manickam 2007)
Diospyros vera (Lour.) A.Chev.	Ebenaceae	EN	OT	TN	(Rehamn and Sultana 2015)
Macaranga indica Wight	Euphorbiaceae	NE	OI, PI	TN	(Jothi, Benniamin, and Manickam 2008)
Macaranga peltata (Roxb.) Müll.Arg	Euphorbiaceae	NE	C, OI, PI	M TN, Kar	(Natarajan and Paulsen 2000) (Jothi, Benniamin, and Manickam 2008)(Acharya et al., 2023b)
Persea macrantha (Nees) Kosterm.	Lauraceae	NE	OT	kar	(Harsha et al. 2002)
Macrotyloma uniflorum (Lam.) Verdc.	Fabaceae	NE	PI, UG, RD, GI	TN M	(Silambarasan et al. 2017) (Shinde 2021)
Madhuca longifolia var. latifolia (Roxb.) A.Chev.	Sapotaceae	NE	VD, DD, PI, HH, RD, GD, PB, D, UG, OT	TN, GJ, M, K, Kar	(Parthiban et al. 2016) (No 2014) (Maru and Patel 2012) (I and Kumar 2004)(Punjani 2010)(Kamble et al. 2008) (M Ayyanar 2016) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Shiragave 2015)(Durairaj, Kamaraj, and Senthil 2012)(Mathews 2013)(Perumal, Maung, and Gopalakrishnakone 2008) (Upadhya et al. 2012)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shinde 2021) (KUMAR 2015) (Jadeja, Odedra, and Odedra 2006) (Acharya et al., 2023) (Acharya et al., 2023b)
Maerua cylindrocarpa Hadj-Moust.	Capparaceae	R	OT	TN	(Rehamn and Sultana 2015)
Maesa indica (Roxb.) A. DC.	Primulaceae	NE	ED	M, TN	(Natarajan and Paulsen 2000) (Ayyanar and Ignacimuthu 2005)
Berberis leschenaultii Wall. ex Wight & Arn.	Berberidaceae	NE	DD, PI	TN	(Ignacimuthu and Ayyanar 2006)(Devi 2012)
Malachra capitata (L.) L	Malvaceae	NE	PI, OT, OI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Malaxis rheedii Sw.	Orchidaceae	NE	PI	TN	(Jeyam, Subhashini, and Jeyam n.d.)
Mallotus polycarpus (Benth.) Kulju & Welzen	Euphorbiaceae	NE	OT, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Mallotus philippensis (Lam.) Mull.Arg.	Euphorbiaceae	NE	OI, DD, GI, PI	GJ M TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (KUMAR 2015)(Jothi, Benniamin, and Manickam 2008)(Ayyanar and Ignacimuthu 2005)(Rani et al. 2011)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Vijayashalini et al. 2017) (Sutha et al. 2010)
Mallotus polycarpus (Benth.) Kulju & Welzen	Euphorbiaceae	NE	OT	GJ	(Maina, Kumar, and Prasad 2016)
Malva sylvestris L	Malvaceae	NI	PB	Kar	(Parinitha et al. 2004)
Malvastrum coromandelianum (L.) Garcke	Malvaceae	NE	HH, PI	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Range and Nadu 2017)
Mammea longifolia Planch. & Triana	Calophyllaceae	NI	PI	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Mammea suriga (Buch.-Ham. ex Roxb.) Kosterm.	Calophyllaceae	NE	PI	Kar	(Bhat, Mulgund, and Bhat 2019)
Mangifera indica L.	Anacardiaceae	DD	OT, RD, GI, ENT, GD, D, DD, PI, OD, ED	GJ, TN Kar, G, M,	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Arts and Reserved 2021) (Shah, Sheth, and Parabia 2012)(Shah, Sheth, and Parabia 2011) (Prabhu et al. 2021) (Harsha et al. 2002)(Rodrigues 2015)(Circle 2014)(Kamble et al. 2008) (Jain et al. 2010) (Sakarkar, Sakarkaf, and Sakarkar 2004) (Parthiban et al. 2016)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(International 2010)(Umapriya et al. 2011)(Prashantkumar and Vidyasagar 2008)(Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)(Kalaichelvi and Dhivya 2017)(Aadhan and Anand 2017)(Muthu et al. 2006)(Khairnar and Gadekar 2019)(Devi 2012)(Jeyam, Subhashini, and Jeyam n.d.) (Silambarasan et al. 2017) (Tetali et al. 2009) (Venkatachalapathi et al. 2018)(Srinivasan et al. 2022)(Acharya et al., 2023)
Manihot esculenta Crantz	Euphorbiaceae	NE	PI, GI	TN	(Venkatachalapathi et al. 2018)(Prabhu et al. 2021)(Ramanathan et al. 2014)
Manilkara hexandra (Roxb.) Dubard	Sapotaceae	NE	OT, GD	GJ kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Atel and Atel 2012) (Atel and Atel 2012) (Pradheeps and Poyyamoli 2013)
Maranta arundinacea L	Marantaceae	NE	UG, RD	K	(Silja, Varma, and Mohanan 2008) (Silja, Varma, and Mohanan 2008)
Marattia fraxinea Sw.	Marattiaceae	AR	OI	W.G	(Benjamin and Manickam 2007)
Pergularia brunoniana (Wight & Arn.) D. Dietr.	Apocynaceae	NE	D	TN	(Kottaimuthu 2008)
Marsilea minuta L.	Marsileaceae	NE	RD, GI, DD, D, ND, OI, PI , ED, F	W.G TN	(Benjamin and Manickam 2007) (Range and Nadu 2017) (Natarajan et al. 2013) (Saranraj, Bhavani, and Suganthi 2016)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Martynia annua L.,	Martyniaceae	NE	VD, ENT, F, PB, PI, UG	GJ, M TN	(Maina, Kumar, and Prasad 2016)(KUMAR 2015)(Shinde 2021)(Desale et al. 2013)(Kalaichelvi and Dhivya 2017)(Devi 2012)(Chandanshive et al. 2022)(Aiwale et al. 2022)
Gymnosporia emarginata (Willd.) Thwaites	Celastraceae	NE	RD	M	(Onkar 2016)(Khairnar and Gadekar 2019)
Melhania incana B.Heyne ex Wight & Arn.	Malvaceae	NE	RD, F	TN	(Rehamn and Sultana 2015)
Melia azedarach L.	Meliaceae	NE	GI, OI, D, F, GD, HH, PI	M TN	(Natarajan and Paulsen 2000)(S Sukumaran and Raj 2010)(Venkatachalapathi et al. 2018)(Chandanshive et al. 2022)
Melinis repens (Willd.) Zizka	Poaceae	NE	F, RD	TN	(Nadu and Nadu 2019)
Meliosma simplicifolia (Roxb.) Walp.,	Sabiaceae	NE	UG	K	(Augustine, Kr, and Pp 2010)
Melochia corchorifolia L	Malvaceae	NE	UG, OI, GI	TN	(Muthu et al. 2006)(Saranraj, Bhavani, and Suganthi 2016)(Shanmugam, Rajendran, and Suresh 2012)
Mukia maderaspatana (L.) M.Roem.	Cucurbitaceae	NE	RD, F, DD, GD, ENT, OD, GI, D, ND, F	TN, K, M	(Rehamn and Sultana 2013)(Sankaranarayanan et al. 2010)(Prabhu et al. 2021) (Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(Silja, Varma, and Mohanan 2008)(Thekkan and Arts 2017)(Jaganathan et al. 2016)(Nadu and Nadu 2019)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Muthu et al. 2006)(Khairnar and Gadekar 2019)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Revathi 2010)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)
Memecylon gracile Bedd.	Melastomataceae	E	GD	TN	(Ayyanar and Ignacimuthu 2005) (Ayyanar and Ignacimuthu 2005)
Memecylon malabaricum (C.B.Clarke) Cogn.	Melastomataceae	EN	GD, GI, PI, UG, OD, ID, OT, DD	Kar	(Harsha 2004)(Acharya et al., 2023)(Acharya et al., 2023b)
Memecylon umbellatum var. capitellata (C.D.Cl.) T.Cooke	Melastomataceae	NE	GI, D, STD, ED, PI	M, TN	(Kottaimuthu 2008) (Francis et al. 2014)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Dhivya, S M 2016)
Mentha arvensis L	Lamiaceae	NE	GI, OI, GD, PI	M, GJ TN	(Jain et al. 2010) (Atel and Atel 2012)(Saranraj, Bhavani, and Suganthi 2016)(Atel and Atel 2012) (Jadeja, Odedra, and Odedra 2006)
Mentha × piperita L.	Lamiaceae	NI	GI	TN	(Prabhu et al. 2021)
Mentha spicata L.	Lamiaceae	NI	DD	GJ	(Shah, Sheth, and Parabia 2011)
Mentha viridis (L.) L.	Lamiaceae	NI	RD	GJ	(Shah, Sheth, and Parabia 2012)
Merremia emarginata (Burm. f.) Hallier f	Convolvulaceae	LC	GI, RD	TN	(Muthu et al. 2006)(Shanmugam, Rajendran, and Suresh 2012)
Merremia hastata Hall.	Convolvulaceae	NE	OD	TN	(Ayyanar and Ignacimuthu 2005)
Merremia tridentata (L.) Hallier f.	Convolvulaceae	NI	PI, DD, HH, D, F	TN	(Rehamn and Sultana 2013)(Rani et al. 2011)(Shanmugam, Rajendran, and Suresh 2012)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Mesua ferrea L.	Calophyllaceae	NE	GI, PI	TN, K, Kar	(Vijayashalini et al. 2017) (S Sukumaran and Raj 2010)(Chithra, Km, and Sp 2016)(Pillai et al. n.d.)(Venkatachalapathi et al. 2018)(Acharya et al., 2023b)
Meyna laxiflora Robyns	Rubiaceae	NE	ND, GI, PI, UG	GJ M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Kamble et al. 2008)(Khairnar and Gadekar 2019)(Patil and Patil 2005)
Magnolia champaca (L.) Baill. ex Pierre	Magnoliaceae	NE	ED, OI, PI, HH, GD, STD, F,PI	TN, K, M	(Muniappan Ayyanar and Ignacimuthu 2011)(Silja, Varma, and Mohanan 2008) (S Sukumaran and Raj 2010)(Ghats and Nadu 2017)(Chandanshive et al. 2022)
Micrococca mercurialis (L.) Benth.	Euphorbiaceae	NE	F, OI, HH	TN	(Vijayashalini et al. 2017) (Ghats and Nadu 2017)
Microsorum punctatum (L.) Copel.	Polypodiaceae	NE	GI, PI	W.G	(Benjamin and Manickam 2007)
Mikania cordata (Burm. f.) Robins.	Asteraceae	NI	RD, PI, PB	TN	(Dhivya, S M 2016)
Miliusa eriocarpa Dunn. ex Gamble	Annonaceae	NE	PB	TN	(M Ayyanar and Ignacimuthu 2005)
Miliusa tomentosa (Roxb.) J.Sinclair	Annonaceae	NE	GI, DD, C, GD	GJ M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Forest 2015)(Khairnar and Gadekar 2019)
Millettia pinnata (L.) Panigrahi	Fabaceae	NI	PI, DD	TN, Kar, M	(Muniappan Ayyanar and Ignacimuthu 2011)(Upadhya et al. 2012)(Chandanshive et al. 2022)
Mimosa hamata Willd.	Fabaceae	NE	CVD, RD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Mimosa pudica L.	Fabaceae	LC	GI, UG, PI, PB, DD, HH, F, VD, GD, OT	TN, K, Kar , M	(Saranraj, Bhavani, and Suganthi 2016)(Thirumurthy and Mol 2020)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(Area 2010) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Range and Nadu 2017)(Ghats and Nadu 2017)(Rehamn and Sultana 2013)(Natarajan et al. 2013)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Mathews 2013)(Bhat, Mulgund, and Bhat 2019)(Sankaranarayanan et al. 2010)(Manikandan 2005)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Sulochana et al. 2015) (Venkatachalapathi et al. 2018)(Aswathi and Abdussalam 2021)(Prabhu et al. 2021)(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012)(Somkuwar, Chaudhary, and Chaturvedi 2013) (Parthiban et al. 2016)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Francis et al. 2014)(Tahsil 2021)(Arts and Reserved 2021)(Shanmugam et al. 2021)(Suresh et al. 2016)(Srinivasan et al. 2022)(Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022)(Acharya et al., 2023)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Mimusops elengi L.	Sapotaceae	NE	HH, OD, F, GI, STD, PI , UG, DD	M TN, Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Afr et al. 2009)(Muniappan Ayyanar and Ignacimuthu 2011)(Selvamony Sukumaran et al. 2020)(Nadu 2022), (Acharya et al., 2023b)(Acharya et al., 2023)
Mirabilis jalapa L.	Nyctaginaceae	NE	DD, D, C, OI, PI, GI,	M, TN,kar	(Shiragave 2015)(Aadhan and Anand 2017)(Ramanathan et al. 2014)(Rehamn and Sultana 2013)(Rani et al. 2011)(Afr et al. 2009)(Hosamani et al. 2012)(Ghatapanadi, Johnson, and Rajasab 2011)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Pushpakarani and Natarajan 2014)(Chandanshive et al. 2022)
Mitracarpus hirtus (L.) DC.	Rubiaceae	NE	PI, DD	TN	(Kottaimuthu 2008)(Ghats and Nadu 2017)
Mitragyna parvifolia (Roxb.) Korth.	Rubiaceae	NE	F, GD, OI, F, HH	GJ TN	(No 2014)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004) (KUMAR 2015)(Dhivya, S M 2016)(Devi 2012)
Mollugo cerviana (L.) Ser.	Molluginaceae	NE	GI, RD, GD	TN	(Mutheeswaran et al. 2011)(Mohan et al. 2008) (Devi 2012)
Mollugo nudicaulis Lam.	Molluginaceae	NE	F, RD, F, HH, PI, STD, GI, DD	TN	(Jeyam, Subhashini, and Jeyam n.d.) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Muniappan Ayyanar and Ignacimuthu 2011)(Umapriya et al. 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Ghats and Nadu 2017)(Afr et al. 2009)(Dhivya, S M 2016)
Mollugo pentaphylla L.	Molluginaceae	NE	ED, PI, F	TN	(Ayyanar and Ignacimuthu 2005)(Range and Nadu 2017)
Momordica charantia L.	Cucurbitaceae	NE	VD, D, GI, PI, DD, PB, OI, C, GD	GJ, TN, K, Kar	(Maina, Kumar, and Prasad 2016)(Shah, Sheth, and Parabia 2011) (Prabhu et al. 2021)(Arts and Reserved 2021) (Jadeja, Odedra, and Odedra 2006)(International 2010)(Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Selvamony Sukumaran et al. 2020)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Rehamn and Sultana 2013)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Natarajan et al. 2013)(Manikandan 2005)(Devi 2012)(Jeyam, Subhashini, and Jeyam n.d.)(Profile 2012)(Antony 2008)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008)(Acharya et al., 2023)
Momordica cymbalaria Fenzl ex Naudin	Cucurbitaceae	NE	GD, C, D, OI	Kar, M	(Ghatapanadi, Johnson, and Rajasab 2011)(Chandanshive et al. 2022)
Momordica dioica Roxb. ex Willd.	Cucurbitaceae	NE	GI, PB, D, PI, ND , HH	K, Kar, GJ, G, TN	(Antony 2008)(Jadeja, Odedra, and Odedra 2006)(Aadhan and Anand 2017)(Muniappan Ayyanar and Ignacimuthu 2011)(Kottaimuthu 2008)(Rodrigues 2015) (No 2014)
Momordica sahyadrica Kattuk. & V.T.Antony	Cucurbitaceae	NE	GD, PI	K, Kar	(Antony 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Morinda coreia Buch.-Ham.	Rubiaceae	NE	PI, DD, GI	TN GJ	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rani et al. 2011)(Muniappan Ayyanar and Ignacimuthu 2011)(M Ayyanar 2016)
Coelospermum decipiens Baill.	Rubiaceae	EN	OI, GI	TN	(Francis et al. 2014)
Morinda citrifolia L.	Rubiaceae	NE	GI, PI, DD, F	GJ, TN, M, Kar	(I and Kumar 2004)(Samy and Ignacimuthu 2000)(Natarajan et al. 2013)(Muthu et al. 2006)(Biosci and Alagesaboopathi 2012)(Bosco and Arumugam 2012)(Chandanshive et al. 2022)(Acharya et al., 2023b)
Moringa concanensis Nimmo	Moringaceae	NE	GI, ED, GD, PI, CVD, F	Kar, TN GJ M	(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Ethnobotanical Plants Used by the Tribes of R . D . F . 2013)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Patil and Patil 2005)
Moringa oleifera Lam.	Moringaceae	NE	GD, ED, GI, VD, PI, ND, D, RD, F, PB, HH	TN, kar, K M, GJ	(Francis et al. 2014)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Rani et al. 2011)(Jain et al. 2010) (Parthiban et al. 2016)(Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Punjani 2010)(Prabhu et al. 2021)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Durairaj, Kamaraj, and Senthil 2012)(Bhat, Mulgund, and Bhat 2019)(Devi 2012)(Jeeva and Femila 2012) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Upadhya et al. 2012) (Sulochana et al. 2015) (Venkatachalapathi et al. 2018)(Muniappan Ayyanar and Ignacimuthu 2011)(Parinitha et al. 2004)(Silja, Varma, and Mohanan 2008) (Sahyadri 2012) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Chandanshive et al. 2022)(Acharya et al., 2023), (Yogeesh and Krishnakumar 2022)
Morinda coreia Buch.-Ham.	Rubiaceae	NE	GI,PI	TN	(Ghats and Nadu 2017)(Afr et al. 2009)(Jenipher and Ayyanar 2022)
Morus alba var. indica (L.) Bur.	Moraceae	NE	C, GI, D, PB	TN	(Chithra, Km, and Sp 2016)(Sathyavathi and Janardhanan 2014)(Durairaj, Kamaraj, and Senthil 2012)(Manikandan 2005)(M Ayyanar 2016)(Perumal, Maung, and Gopalakrishnakone 2008)
Mucuna gigantea (Willd.) DC.	Fabaceae	NE	GD	K	(Aswathi and Abdussalam 2021)
Mucuna pruriens (L.) DC.	Fabaceae	NE	GD, PB, DD, GI, ND, PI, OI, D	M, TN, GJ, K, Kar	(Soman 2011)(Shiragave 2015)(Silambarasan et al. 2017) (Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014)(Aswathi and Abdussalam 2021) (Prabhu et al. 2021)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Jain et al. 2010)(Tahsil 2021) (KUMAR 2015)(Ghats and Nadu 2017)(Rani et al. 2011)(Sankaranarayanan et al. 2010)(Khairnar and Gadekar 2019)(Devi 2012)(Acharya et al., 2023b)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Cucumis leiospermus (Wight & Arn.) Ghebret. & Thulin	Cucurbitaceae	NE	GI	TN	(Ganesan, Suresh, and Kesaven 2004)
Mollugo nudicaulis Lam	Molluginaceae	NE	RD	TN	(Rehamn and Sultana 2015)
Mollugo pentaphylla L.	Molluginaceae	NE	GI	TN	(Rehamn and Sultana 2015)
Mundulea sericea (Willd.) A.Chev.	Fabaceae	NE	OI	TN	(Vijayashalini et al. 2017)
Murraya paniculata (L.) Jack	Rutaceae	NE	PI	TN	(Sutha et al. 2010)(Revathi 2010)(Rani et al. 2011)(Manikandan 2005)(Devi 2012)
Murraya koenigii (L.) Spreng.	Rutaceae	NE	GI, DD,F, VD, ED, HH, GI, D, OI, PB, OI, RD, OD, ENT	GJ, TN,M, K, Kar	(I and Kumar 2004)(Shah, Sheth, and Parabia 2011) (Prabhu et al. 2021)(Somkuwar, Chaudhary, and Chaturvedi 2013) (Parthiban et al. 2016)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(International 2010) (Silja, Varma, and Mohanan 2008) (S Sukumaran and Raj 2010) (Selvamony Sukumaran et al. 2020)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Mutheeswaran et al. 2011)(Jaganathan et al. 2016)(Jadhav 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Rehamn and Sultana 2013)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Muthu et al. 2006)(Devi 2012)(Chandanshive et al. 2022)(Acharya et al., 2023)
Musa acuminata Colla	Musaceae	NE	UG, GI	TN	(Jaganathan et al. 2016)(Srinivasan et al. 2022)
Musa paradisiaca L.	Musaceae	NE	PB, D, UG, RD, PI, VD, RD	K,TN , GJ, Kar	(Thirumurthy and Mol 2020)(International 2010)(J. W. Prakash et al. 2008) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Shah, Sheth, and Parabia 2011) (Prabhu et al. 2021)(Parthiban et al. 2016)(Bosco and Arumugam 2012)(Jeeva and Femila 2012)(Ramanathan et al. 2014)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Durairaj, Kamaraj, and Senthil 2012) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011)(Acharya et al., 2023)(Acharya et al., 2023b)
Mussaenda frondosa L.	Rubiaceae	EN	GD, HH, ED	K	(Augustine, Kr, and Pp 2010)(Silja, Varma, and Mohanan 2008)
Mussaenda glabrata (Hook.f) Hutchinson ex Gamble	Rubiaceae	EN	DD, PI, HH	TN	(Rani et al. 2011)
Mussaenda hirsutissima (Hook.f.) Hutch. ex Gamble	Rubiaceae	EN	GD	TN	(Ayyanar and Ignacimuthu 2005)
Myriactis wightii DC	Asteraceae	NE	PI	TN	(Paulsamy et al. 2007)(Ghats 2019)
Myristica malabarica Lam.	Myristicaceae	EN, LC	OT , PI	K, Kar	(Pillai et al. n.d.)(Acharya et al., 2023b)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Myristica fragrans Houtt.	Myristicaceae	DD	DD, HH, RD, CVD, ND, PI	GJ, TN, Kar	(Shah, Sheth, and Parabia 2011)(Palanisamy, Sasikala, and Natarajan 2020)(Prabhu et al. 2021)(Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Jeyam, Subhashini, and Jeyam n.d.)(Srinivasan et al. 2022)(Acharya et al., 2023b)
Myxopyrum smilacifolium (Wall.) Blume	Oleaceae	NI	DD, HH, PI	TN, K	(Rani et al. 2011)(Vijayan et al. 2007) (Selvamony Sukumaran et al. 2020)
Naravelia zeylanica (L.) DC.	Ranunculaceae	NE	HH, PI, DD	K, TN , Kar	(Thirumurthy and Mol 2020)(Mohan et al. 2008)(Vijayan et al. 2007)(Chithra, Km, and Sp 2016)(Ramachandran, Joseph, and Aruna 2009)(Pillai et al. n.d.)(Harsha et al. 2002)(Harsha et al. 2003)(Yogeesh and Krishnakumar 2022)
Naregamia alata (Wight & Arn)	Meliaceae	EN	GI, HH, DD, PI, IH	M K, TN, Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Vijayan et al. 2007) (Selvamony Sukumaran et al. 2020)(Nadu 2022)(Acharya et al., 2023b)(Acharya et al., 2023)
Naringi crenulata (Roxb.) Nicolson	Rutaceae	NE	PI, HH, GI,	TN, K, Kar	(Mownika, Sharmila, and Ramya 2021)(Circle 2014)(Pillai et al. n.d.)(Area 2010)(Pradheeps and Poyyamoli 2013) -27
Neanotis monosperma (Wight & Arn.) W.H.Lewis	Rubiaceae	NE	PB	TN	(M Ayyanar and Ignacimuthu 2005)
Nelumbo nucifera Gaertn.	Nelumbonaceae	LC	HH, GD, GI, D, CVD, PI	TN, K	(Prabhu et al. 2021)(Silambarasan et al. 2017) (Pushpakarani and Natarajan 2014)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(International 2010) (Silja, Varma, and Mohanan 2008)(Nadu 2022)
*Nephrolepis auriculata (*L.) Trimen	Polypodiacea	NI	UG, GI	TN	(Ganesan, Suresh, and Kesaven 2004)
Nephrolepis cordifolia (L.) C. Presl	Nephrolepidaceae	NE	OI, RD, CVD, GI, PI	W.G	(Benjamin and Manickam 2007)
Nerium oleander L.	Apocynaceae	LC	VD, PB, ENT, ID, PI, DD	TN, Kar, M, GJ	(Perumal, Maung, and Gopalakrishnakone 2008)(Parthiban et al. 2016)(Pradheeps and Poyyamoli 2013)(Natarajan et al. 2013)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Arts and Reserved 2021)(Prabhu et al. 2021) (Pushpakarani and Natarajan 2014) (Khairnar and Gadekar 2019) (Jadeja, Odedra, and Odedra 2006)(Chandanshive et al. 2022)
Nervilia aragoana Gaudich	Orchidaceae	NE	GD	GJ	(Gavali and Sharma 2004)
Nervilia plicata (Andrews) Schltr	Orchidaceae	NE	PB	TN	(Circle 2014)
Nervilia infundibulifolia Blatt. & McCann	Orchidaceae	NE	PI	TN	(Chithra, Km, and Sp 2016)
Neuracanthus sphaerostachys Dalzell	Acanthaceae	NE	GI, DD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
*Nicandra physalode*s (L.) Gaertn.	Solanaceae	NE	F, GI	TN	(Ghats and Nadu 2017)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Nicotiana tabacum L.	Solanaceae	NE	RD, PB	GJ TN	(Shah, Sheth, and Parabia 2012)(Perumal, Maung, and Gopalakrishnakone 2008)
Nigella sativa var. indica (Roxb.) DC.	Ranunculaceae	NE	PI, ND, ED, GI, GD, Cuts,OI, DD	TN, Kar	(Prabhu et al. 2021)(Silambarasan et al. 2017)(Acharya et al., 2023b)
Nothapodytes nimmoniana (J. Graham) Mabb.	Icacinaceae	NE	C, D, PI	K, m, Kar, TN	(Thirumurthy and Mol 2020)(Ghats and Nadu 2017)(Rani et al. 2011)(Ignacimut+A706:F711hu and Ayyanar 2006)(Devi 2012)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Pillai et al. n.d.)(Chithra, Km, and Sp 2016)
Nothopegia beddomei Gamble	Anacardiaceae	NE	OI	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Nothopegia colebrookiana (Wight) Blume	Anacardiaceae	NE	PI	Kar	(Harsha et al. 2002)
Kleinia grandiflora (Wallich ex DC.) N.Rani	Asteraceae	NE	ENT, OI	TN	(Venkatachalapathi et al. 2018) (Vijayashalini et al. 2017)
Nyctanthes arbor-tristis L.	Oleaceae	NE	PI, F, GI, UG, PB, HH, ENT	GJ, K, Kar , TN, M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Pillai et al. n.d.)(Upadhya et al. 2012)(Chithra, Km, and Sp 2016)(Chandanshive et al. 2022)(Acharya et al., 2023)
Nymphaea nouchali Burm.f.	Nymphaeaceae	LC	DD, PI, GI, D	TN	(Jeyam, Subhashini, and Jeyam n.d.)(Ramanathan et al. 2014)
Ocimum gratissimum L.	Lamiaceae	NE	UG, DD, PI, OD, F	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Chandanshive et al. 2022)
Ochlandra talbotii Brandis	Poaceaea	EN	UG	kar	(Harsha et al. 2002)
Ochna squarrosa L.	Ochnaceae	NE	DD	TN	(Rehamn and Sultana 2015)
Ocimum filamentosum Forssk.	Lamiaceae	NE	PB	Kar	(Parinitha et al. 2004)
Ocimum basilicum L.	Lamiaceae	NE	RD, DD, OI, PB, UG, ENT, F, STD, HH	TN, Kar, M	(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016)(Durairaj, Kamaraj, and Senthil 2012)(Afr et al. 2009)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Harsha et al. 2002)(Shanmugam, Rajendran, and Suresh 2012)(Prabhu et al. 2021)(International 2010) (Ghatapanadi, Johnson, and Rajasab 2011)(Shinde 2021)(Revathi 2010) (Silambarasan et al. 2017)(Ayyanar and Ignacimuthu 2005) (Perumal, Maung, and Gopalakrishnakone 2008) (Upadhya et al. 2012)(Yogeesh and Krishnakumar 2022)
Ocimum americanum L.	Lamiaceae	NE	RD, F, OI, GI CVD, PI, GI,	TN, M, GJ,	(Bosco and Arumugam 2012)(Ayyanar and Ignacimuthu 2005)(Range and Nadu 2017)(Jain et al. 2010)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Jeyam, Subhashini, and Jeyam n.d.)(Shiragave 2015)(Jaganathan et al. 2016)(Ghats and Nadu 2017)(Natarajan et al. 2013)(Umapriya et al. 2011)
Ocimum gratissimum L.	Lamiaceae	NE	GI, PI, OI	M, TN	(Kamble et al. 2008)(Vijayashalini et al. 2017)(Chithra, Km, and Sp 2016)(Rani et al. 2011)(Jeyam, Subhashini, and Jeyam n.d.)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Ocimum tenuiflorum	Lamiaceae	NE	DD, PI, F, RD, OI, PB, GD, C, VD, HH, GI, D, IH	M, TN, GJ, Kar, K,	(Shiragave 2015)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Devi 2012)(Jeyam, Subhashini, and Jeyam n.d.) (Silambarasan et al. 2017) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011) (Francis et al. 2014) (Venkatachalapathi et al. 2018)(Natarajan and Paulsen 2000)(Kamble et al. 2008)(Parthiban et al. 2016)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008) (Desale et al. 2013) (Selvamony Sukumaran et al. 2020)(Arts and Reserved 2021)(Harsha et al. 2002)(Harsha et al. 2003) (Jain et al. 2010)(Shah, Sheth, and Parabia 2011) (Prabhu et al. 2021)(Tahsil 2021) (Shah, Sheth, and Parabia 2012)(Jadhav 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Rehamn and Sultana 2013)(Natarajan et al. 2013)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Afr et al. 2009)(Manikandan 2005)(Khairnar and Gadekar 2019)(Hosamani et al. 2012)(Dhivya, S M 2016)(Ramachandran, Joseph, and Aruna 2009)(Saranraj, Bhavani, and Suganthi 2016)(Jeeva and Femila 2012) (Perumal, Maung, and Gopalakrishnakone 2008) (Sulochana et al. 2015) (Venkatachalapathi et al. 2018)(International 2010)(Prashantkumar and Vidyasagar 2008)(Chandanshive et al. 2022)(Arts and Reserved 2021)(Srinivasan et al. 2022)(Acharya et al., 2023), (Yogeesh and Krishnakumar 2022)(Acharya et al., 2023b)
*Lannea coromandelica (*Houtt.) Merr.	Anacardiaceae	NE	STD, PI, DD, GD, PI, RD	TN	(Prabhu et al. 2021)(Mownika, Sharmila, and Ramya 2021)(Muthu et al. 2006)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)
Odontosoria chinensis (L.) J. Sm.	Lindsaeaceae	NE	PI, OI, C, GI	W.G	(Benjamin and Manickam 2007)
Olax scandens Roxb	Olacaceae	NE	F, HH, RD	TN	(Rehamn and Sultana 2015)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(J. Prakash, Ayyanar, and Sekar 2011)
Oldenlandia corymbosa L.	Rubiaceae	NE	GI, F, ND, OI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Oldenlandia affinis (Roem. & Schult.) DC.	Rubiaceae	NE	ND	TN	(Rehamn and Sultana 2015)
Oldenlandia diffusa (Willd.) Roxb.	Rubiaceae	LC	PB	TN	(Perumal, Maung, and Gopalakrishnakone 2008)
*Oldenlandia herbacea (*L.) Roxb.	Rubiaceae	NE	RD	TN	(Dhivya, S M 2016)
Oldenlandia umbellata L	Rubiaceae	NE	ED, PI, PB, RD, CVD, F	TN	(Mohan et al. 2008) (Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Shanmugam, Rajendran, and Suresh 2012)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011)(Rehamn and Sultana 2015)
Olea dioica Roxb.	Oleaceae	NE	PI, GD, DD	Kar	(Bhat, Mulgund, and Bhat 2019)(Acharya et al., 2023)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Olea europaea L.	Oleaceae	NI	F, RD	TN	(Ghats and Nadu 2017)
Oleandra musifolia (Blume) C. Presl	Oleandraceae	R	PB, OI, GD	W.G	(Benjamin and Manickam 2007)
Ophioglossum lusitanicum subsp. coriaceum (A. Cunn.) R.T. Clausen	Ophioglossaceae	VU	PI, GI, OI, C,	W.G	(Benjamin and Manickam 2007)
Ophioglossum reticulatum L.	Ophioglossaceae	LC	PI, GI	W.G	(Benjamin and Manickam 2007)
Ophiopogon intermedius D.Don	Asparagaceae	NE	UG	TN	(Paulsamy et al. 2007)
Ophiorrhiza mungos L.	Rubiaceae	NE	C, PB, PI	TN, K	(Kottaimuthu 2008)(Ghats 2019)(M Ayyanar 2016)(Perumal, Maung, and Gopalakrishnakone 2008) (Sulochana et al. 2015) (Paulsamy et al. 2007)
Oplismenus burmannii (Retz.) P.Beauv.	Poaceae	NE	GD	TN	(Paulsamy et al. 2007)
Oplismenus compositus (L.) P.Beauv.	Poaceae	NE	OT	TN	(Paulsamy et al. 2007)
Opuntia dillenii (Ker Gawl.) Haw.	Cactaceae	NE	D, PI, RD, F, GI, STD, PB	TN,M	(Prabhu et al. 2021)(Muniappan Ayyanar and Ignacimuthu 2011)(M Ayyanar 2016)(Ghats and Nadu 2017)(Natarajan et al. 2013)(Afr et al. 2009)(Biosci and Alagesaboopathi 2012)(Kalaichelvi and Dhivya 2017)(Chandanshive et al. 2022)
Oroxylum indicum (L.) Kurz	Bignoniaceae	NE	GD, GI, PI, PB, RD	M,K, Kar, GJ, M, TN	(Soman 2011)(Area 2010)(Patil and Patil 2005) (Sahyadri 2012)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004)(Chithra, Km, and Sp 2016)(Sankaranarayanan et al. 2010)(Khairnar and Gadekar 2019)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Acharya et al., 2023b)
Endostemon viscosus (Roth) M.R.Ashby	Lamiaceae	NE	D, DD, HH	TN	(Rehamn and Sultana 2015)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Orthosiphon thymiflorus (Roth) Sleesen	Lamiaceae	NE	PI	TN	(Ghats and Nadu 2017)
Oryza meyeriana (Zoll. & Moritzi) Baill.	poaceae	NE	OI	K	(Vijayan et al. 2007)
Oryza sativa	Poaceae	NE	VD, PI	TN	(Parthiban et al. 2016)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)
Osbeckia zeylanica L.f.;	Melastomataceae	NE	OT	TN	(Ayyanar and Ignacimuthu 2005)
Ocimum tenuiflorum L.	Lamiaceae	NE	PI, F, RD, HH	TN	(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)
Osmunda hugeliana Presl.	Osmundaceae	LC	PI, DD, GI	W.G	(Benjamin and Manickam 2007)
Desmodium oojeinense (Roxb.) H.Ohashi	Fabaceae	NE	GI, PI	GJ	(I and Kumar 2004)(KUMAR 2015)
Oxalis corniculata L.	Oxalidaceae	NE	F, GD, GI, UG, OI, HH, RD, PB	TN, K, Kar, M	(Thekkan and Arts 2017)(Pillai et al. n.d.)(Ghats 2019) (Silja, Varma, and Mohanan 2008)(Revathi 2010)(Ayyanar and Ignacimuthu 2005) (Venkatachalapathi et al. 2018) (Paulsamy et al. 2007)(Range and Nadu 2017)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Pradheeps and Poyyamoli 2013)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Ghats and Nadu 2017)(Manikandan 2005)(Biosci and Alagesaboopathi 2012) (Chandanshive et al. 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Oxalis latifolia Kunth	Oxalidaceae	NE	PI	TN	(Sathyavathi and Janardhanan 2014)(Paulsamy et al. 2007)
Oxalis spiralis G. Don	Oxalidaceae	NI		TN	(Paulsamy et al. 2007)
Oxystelma esculentum (L.f.) R.Br.ex Schult.	Apocynaceae	LC	PI, GD, RD	TN	(Ghats and Nadu 2017)
Pachygone ovata (Poir.) J. D. Hook. & Thompson	Menispermaceae	NE	OI, PB, OT	TN	(Kalaichelvi and Dhivya 2017)(Kalaiselvan and Gopalan 2014)
Pancratium triflorum Roxb.	Amaryllidaceae	NE	PI	K	(Pillai et al. n.d.)
Pandanus amaryllifolius Roxb.,	Pandanaceae	NE	OI, GG, PI, ENT, OT	TN	(Sankaranarayanan et al. 2010)(Devi 2012)
Pandanus odorifer (Forssk.) Kuntze	Pandanaceae	NE	OI, ENT, GD, PI	TN, K	(Muniappan Ayyanar and Ignacimuthu 2011) (S Sukumaran and Raj 2010)(Silambarasan et al. 2017)(Silja, Varma, and Mohanan 2008)
Pandanus tectorius Parkinson	pandanaceae	NE	OI, GI	TN, M	-27
Panicum miliaceum L.	Poaceae	NE	GD	M	(Patil and Patil 2005)
Panicum repens L.	Poaceae	LC	OT, GI	K	(Nair 2015)
Papaver somniferum L.	Papaveraceae	NI	DD, GI, RD	TN, GJ,	(Mutheeswaran et al. 2011)(Shah, Sheth, and Parabia 2011)(Palanisamy, Sasikala, and Natarajan 2020)(Biosci and Alagesaboopathi 2012)
Mickelopteris cordata (Hook. & Grev.) Fraser-Jenk.	Pteridaceae	NI	PI, GD, OI, GI	W.G	(Benjamin and Manickam 2007)
Parthenium hysterophorus L.	Asteraceae	NE	GI, ND, PI, OI	GJ, TN, kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Range and Nadu 2017)(Pradheeps and Poyyamoli 2013)
Paspalidium flavidum (Retz.) A.Camus	Poaceae	LC	OT	K	(Nair 2015)
Paspalum distichum L.	Poaceae	NE	DD, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Paspalum scrobiculatum L.	Poaceae	LC	D, PI, GD	K	(Nair 2015)(Rani et al. 2011)
Passiflora calcarata	Passifloraceae	NE	Cyanogenetic	TN	(Paulsamy et al. 2007)
Passiflora edulis Sims	Passifloraceae	NE	HH	TN	(Sathyavathi and Janardhanan 2014)(Manikandan 2005)(Paulsamy et al. 2007)
Passiflora foetida L.	Passifloraceae	NE	RD, OT,OI	M TN	(Somkuwar, Chaudhary, and Chaturvedi 2013) (Dhivya, S M 2016) (Shanmugam, Rajendran, and Suresh 2012)
Passiflora leschenaultii DC.,	Passifloraceae	EN	GI	TN	(Ganesan, Suresh, and Kesaven 2004)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Pavetta indica L.	Rubiaceae	NE	PI, PB, GI	TN	(Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)
Pavonia arabica Hochst. ex Steud.	Malvaceae	NE	GI, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Pavonia odorata Willd.	Malvaceae	NE	F, RD, GI	TN	(Rani et al. 2011)(Rehamn and Sultana 2015)
Pavonia procumbens (Wight & Arn.) Walp.	Malvaceae	NE	PI	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Pavonia zeylanica (L.) Cav.	Malvaceae	NE	PI, GI, ED	TN	(Samy and Ignacimuthu 2000)(Mutheeswaran et al. 2011)(Range and Nadu 2017)(Dhivya, S M 2016)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Pecteilis gigantea (Sm.) Raf.	Orchidaceae	NE	ND	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Pedalium murex L	Pedaliaceae	NE	GI, UG, PI, VD, F, GD, STD	TN, GJ,	(Mutheeswaran et al. 2011)(Punjani 2010)(Shanmugam, Rajendran, and Suresh 2012)(Parthiban et al. 2016)(Afr et al. 2009)(Rehamn and Sultana 2015)(Devi 2012)(Francis et al. 2014) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)
Peltophorum pterocarpum (DC.) K.Heyne	Fabaceae	NI	PI	TN	(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)
Pennisetum glaucum (L.) R.Br	Poaceae	NE	PB , HH	GJ, M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Sakarkar, Sakarkaf, and Sakarkar 2004)(Mitaliya, Patel, and Dodia 2003)
Pennisetum hohenackeri Hochst. ex Steud.	Poaceae	NE	OT, HH	K	(Nair 2015)
Pentatropis capensis (L. f.) Bullock	Apocynaceae	NE	GI	TN	(Saranraj, Bhavani, and Suganthi 2016)
Pentatropis microphylla (Roth ex Schult.) Wight & Arn.	Apocynaceae	NI	CVD, OT	TN	(Thekkan and Arts 2017)
Pergularia daemia (Forssk.) Chiov.	Apocynaceae	NE	HH, RD, GD, F, PI, UG, ED, GI, DD, PB, ENT	TN, kar, M, GJ, K	(Prabhu et al. 2021)(Samy and Ignacimuthu 2000)(Shanmugam, Rajendran, and Suresh 2012)(J. Prakash, Ayyanar, and Sekar 2011)(Umapriya et al. 2011) (Sutha et al. 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (Sahyadri 2012) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Arts and Reserved 2021)(Shinde 2021) (Shah, Sheth, and Parabia 2012)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011) (Francis et al. 2014) (Jaganathan et al. 2016)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Rani et al. 2011)(Ignacimuthu and Ayyanar 2006)(Afr et al. 2009)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Venkatachalapathi et al. 2018)(Srinivasan et al. 2022)(Jenipher and Ayyanar 2022)
Peristrophe bicalyculata (Retz.) Nees	Acanthaceae	NE	PI, OI	TN	(Ghats and Nadu 2017)
*Dicliptera paniculata (*Forssk.) I.Darbysh.	Acanthaceae	NE	PI	TN	(Devi 2012)
Premna tomentosa Willd.	Lamiaceae	NE	GI	TN	(Samy and Ignacimuthu 2000)
Persea americana Mill.	Lauraceae	NE	GI, OT	TN	(Arts and Reserved 2021)
Persea macrantha (Nees) Kosterm.	Lauraceae	NE	RD, PI	M, Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Persicaria chinensis (L.) H. Gross	Polygonaceae	NI	GI	TN	(Paulsamy et al. 2007)
Persicaria nepalensis (Meisn.) Miyabe	Polygonaceae	NI	PI	TN	(Paulsamy et al. 2007)
Pueraria tuberosa (Willd.) DC	Fabaceae	NE	GI	M	(Desale et al. 2013)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Phanera integrifolia (Roxb) Benth	Fabaceae	NI	OI	M	(Khairnar and Gadekar 2019)
Vigna aconitifolia (Jacq.) Marechal	Fabaceae	NE	OT	TN	(Rehamn and Sultana 2015)
Vigna trilobata (L.) Verdc.	Fabaceae	NE	OT, F, PI, UG	TN, M	(Rehamn and Sultana 2015)(Chandanshive et al. 2022)
Phaulopsis imbricata (Forssk.) Sweet	Acanthaceae	LC	UG, DD	TN	(Ghats and Nadu 2017)
Phlebodium aureum L.	polypodiaceae	NI	RD, F	W.G	(Benjamin and Manickam 2007)
Phlebophyllum kunthianum Nees	Acanthaceae	EN	ND	TN	(Ignacimuthu and Ayyanar 2006)
Phoenix acaulis Roxb.	Arecaceae	NE	GD	GJ	(I and Kumar 2004)
Phoenix dactylifera L.	Arecaceae	NE	RD, PI, GI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)
Phoenix loureiroi var. pedunculata (Griff.) Govaerts	Arecaceae	NE	ND, F, ENT, PB	TN, Kar	(Vijayashalini et al. 2017)(Kalaichelvi and Dhivya 2017)(Pradheeps and Poyyamoli 2013)
Phoenix sylvestris (L.) Roxb.	Arecaceae	NE	GD, GI, OT	TN, GJ,	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011)(Forest 2015)(Muniappan Ayyanar and Ignacimuthu 2011)
*Phyla nodiflora (*L.) Greene	Verbenaceae	LC	UG, HH, PI, DD	GJ, TN	(Punjani 2010)(Jaganathan et al. 2016)(Jeyam, Subhashini, and Jeyam n.d.) (Mutheeswaran et al. 2011)
Phyllanthus amarus Schumach. & Thonn.	Phyllanthaceae	NE	GI, OI, UG, PI, F, DD, GD,HH	M, TN, Kar	(Jain et al. 2010)(Nadu 2022)(Chandanshive et al. 2022)(Acharya et al., 2023), (Yogeesh and Krishnakumar 2022)
Phyllanthus reticulatus Poir.	Phyllanthaceae	NE	GI, PB, PI	TN	(Kalaichelvi and Dhivya 2017)(Durairaj, Kamaraj, and Senthil 2012)(Devi 2012)
Phyllanthus acidus (L.) Skeels	Phyllanthaceae	NE	OI, UG, GD, GI	M, TN	(Shinde 2021)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)
Phyllanthus amarus Schumach. & Thonn.	Phyllanthaceae	NE	OI, DD, HH, GI, F, UG, PI, D, PB, GD, STD, ENT, RD	TN, K, Kar	(Muniappan Ayyanar and Ignacimuthu 2011)(Kottaimuthu 2008)(International 2010)(Umapriya et al. 2011) (Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)(Prabhu et al. 2021)(Jothi, Benniamin, and Manickam 2008)(Revathi 2010) (Silambarasan et al. 2017) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011)(Francis et al. 2014) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Rehamn and Sultana 2013)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Muthu et al. 2006)(Afr et al. 2009)(Saranraj, Bhavani, and Suganthi 2016)(Samy and Ignacimuthu 2000)(Pradheeps and Poyyamoli 2013)(Durairaj, Kamaraj, and Senthil 2012)(Sankaranarayanan et al. 2010)(Devi 2012)(International 2010)(Parinitha et al. 2004) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Shanmugam, Rajendran, and Suresh 2012)(Jeeva and Femila 2012) (Perumal, Maung, and Gopalakrishnakone 2008) (Venkatachalapathi et al. 2018)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Phyllanthus emblica L.	Phyllanthaceae	NE	GI, OT, D, PB, RD, HH, GI, ED, ENT DD, PI, UG, GD	TN, M, GJ, K , Kar	(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Biosci and Alagesaboopathi 2012)(Circle 2014) (Jain et al. 2010)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Arts and Reserved 2021) (Shah, Sheth, and Parabia 2012) (KUMAR 2015) (Mitaliya, Patel, and Dodia 2003) (Jadeja, Odedra, and Odedra 2006)(Shah, Sheth, and Parabia 2011)(Jothi, Benniamin, and Manickam 2008) (Silambarasan et al. 2017) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Muniappan Ayyanar and Ignacimuthu 2011) (Selvamony Sukumaran et al. 2020) (Silja, Varma, and Mohanan 2008) (Desale et al. 2013)(Aiwale et al. 2022)(Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022)
Phyllanthus virgatus var. gardnerianus (Wight) Govaerts & Radcl.-Sm.	Phyllanthaceae	NE	OI	TN	(Rani et al. 2011)
Phyllanthus indofischeri Bennet	Phyllanthaceae	EN	GI, UG	TN	(Kottaimuthu 2008)(Ghats and Nadu 2017)
Phyllanthus maderaspatensis L.	Phyllanthaceae	NE	HH, GI, UG	TN	(Jothi, Benniamin, and Manickam 2008) (Venkatachalapathi et al. 2018)(Samy and Ignacimuthu 2000)
Phyllanthus reticulatus Poir	Phyllanthaceae	NE	PB, GI, DD	TN	(Jothi, Benniamin, and Manickam 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Venkatachalapathi et al. 2018)
Phyllanthus rheedei Wight	Phyllanthaceae	EN	GI,	TN	(Manikandan 2005)(Jothi, Benniamin, and Manickam 2008)
Physalis pruinosa L.	Solanaceae	NI	RD, PI, GI	TN	(Vijayashalini et al. 2017)
Phytolacca octandra L.	Phytolaccaceae	NI	GI	TN	(Paulsamy et al. 2007)
Pimpinella anisum L.,	Apiaceae	NE	GI	TN	(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)
Pimpinella heyneana (DC.) Kurz	Apiaceae	NE	GI	M, GJ	(Natarajan and Paulsen 2000)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Pimpinella monoica Dalzell	Apiaceae	NI	GI	k	(Thirumurthy and Mol 2020)(Area 2010)
Piper betle L.	Piperaceae	NE	PI, GI, D, ID, DD, ED, HH, RD	GJ, TN, M Kar, GJ	(Shah, Sheth, and Parabia 2011)(Shiragave 2015)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Sankaranarayanan et al. 2010)(Devi 2012)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Muniappan Ayyanar and Ignacimuthu 2011)(Parinitha et al. 2004) (Selvamony Sukumaran et al. 2020)(Arts and Reserved 2021) (Shah, Sheth, and Parabia 2012)(Srinivasan et al. 2022)(Acharya et al., 2023)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Piper brachystachyum Wall. Ex.	Piperaceae	NI	OD	TN	(Venkatachalapathi et al. 2018)
Piper longum L.	Piperaceae	NE	RD, GI, PI, DD, F, ND	TN,K, GJ,M, Kar	(Palanisamy, Sasikala, and Natarajan 2020)(Chithra, Km, and Sp 2016)(Chithra, Km, and Sp 2016)(Shah, Sheth, and Parabia 2011)(Circle 2014)(Pillai et al. n.d.) (Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006) (Jeyam, Subhashini, and Jeyam n.d.) (Mutheeswaran et al. 2011) (Area 2010) (Selvamony Sukumaran et al. 2020) (Chandanshive et al. 2022) (Acharya et al., 2023b)
Piper nigrum L.	Piperaceae	NE	RD, OD, PB, ENT, PI, DD, GI, OT, HH	TN, M, GJ, Kar, K	(Palanisamy, Sasikala, and Natarajan 2020)(Rehamn and Sultana 2013)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Durairaj, Kamaraj, and Senthil 2012)(Devi 2012)(Prabhu et al. 2021)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Arts and Reserved 2021) (Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(Umapriya et al. 2011)(Parinitha et al. 2004) (Silja, Varma, and Mohanan 2008) (Sutha et al. 2010) (Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Perumal, Maung, and Gopalakrishnakone 2008)(Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018) (Selvamony Sukumaran et al. 2020)(Srinivasan et al. 2022) (Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022) (Acharya et al., 2023)
Piper wightii Miq.	Piperaceae	EN	GI	K	(Mathews 2013)
Pisonia aculeata L.	Nyctaginaceae	NE	PI	TN	(Mownika, Sharmila, and Ramya 2021)
Pisonia grandis A.Cunn. ex Hook. fil.	Nyctaginaceae	NI	PI	K, TN	(Thirumurthy and Mol 2020)(Francis et al. 2014)
Pistia stratiotes L.	Araceae	LC	UG, D,GI	TN	(Saranraj, Bhavani, and Suganthi 2016)Y
Pithecellobium dulce (Roxb.) Benth.	Fabaceae	NE	GI, PI, ENT, F	M, TN, GJ	(Shinde 2021)(Yasothkumar 2021) (Shah, Sheth, and Parabia 2012)(Ghats and Nadu 2017)(Devi 2012)
Pityrogramma calomelanos (L.) Link	Pteridaceae	NE	UG, F, RD,	W.G	(Benjamin and Manickam 2007)
Pittosporum neelgherrense Wight & Arn.	Pittosporaceae	EN	PB	K	(Sulochana et al. 2015)
Plantago asiatica subsp. erosa (Wall.) Z.Yu Li	Plantaginaceae	NE	GI	K	(Mathews 2013)
Plantago ovata Forssk.,	Plantaginaceae	NI	GD	TN	(Pushpakarani and Natarajan 2014)
Plecospermum spinosum	Moraceae	NI	OT	TN	(Rehamn and Sultana 2015)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Plectranthus amboinicus (Lour.) Spreng.	Lamiaceae	NE	CVD, RD, OI, HH, RD, F, GI, DD, IH, PI	TN, K, GJ, Kar	(Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Saranraj, Bhavani, and Suganthi 2016)(Vijayan et al. 2007)(Silja, Varma, and Mohanan 2008)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Jaganathan et al. 2016)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Pillai et al. n.d.) (Shah, Sheth, and Parabia 2012)(Acharya et al., 2023b)
Plectranthus barbatus Andrews	Lamiaceae	NE	DD	M	(Shinde 2021)
Plectranthus glabratus (Benth.) Alston	Lamiaceae	NE	PI, RD, GD, HH	TN	(Ganesan, Suresh, and Kesaven 2004)(Ignacimuthu and Ayyanar 2006) (Devi 2012)
Plectranthus mollis (Aiton) Spreng.	Lamiaceae	NE	GI, RD, CVD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Canthium coromandelicum (Burm.f.) Alston	Rubiaceae	NE	RD, F	TN	(Rehamn and Sultana 2015)
Pleiospermium alatum (Wight & Arn.) Swingle	Rutaceae	NE	PI	TN	(Mownika, Sharmila, and Ramya 2021)(Ghats and Nadu 2017)(Rani et al. 2011)(Sutha et al. 2010)
Pleopeltis macrocarpa (Bory ex Willd.) Kaulf.	polypodiaceae	NT	RD, ENT, GI	W.G	(Benjamin and Manickam 2007)
Pluchea indica (L.) Less	Asteraceae		PB	TN	(Perumal, Maung, and Gopalakrishnakone 2008)
Pluchea lanceolata (DC.) C.B.Clarke	Asteraceae	NE	PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Plumbago auriculata Lam	plumbaginaceae	LC	GI	M	(Jain et al. 2010)
Plumbago indica L.	Plumbaginaceae	NE	PI, GI DD	TN	(Chithra, Km, and Sp 2016)(Rehamn and Sultana 2013)
Dyerophytum indicum (Gibbs ex Wight) Kuntze	plumbaginaceae	NE	D	K	(Jayakumar et al. 2010)
Plumbago zeylanica L.	plumbaginaceae	NE	RD, PB, PI, DD, F, UG, GD, GI	K ,M, GJ, Kar, TN	(Chithra, Km, and Sp 2016)(Rani et al. 2011)(Ignacimuthu and Ayyanar 2006)(Khairnar and Gadekar 2019)(Dhivya, S M 2016)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Samy and Ignacimuthu 2000)(Somkuwar, Chaudhary, and Chaturvedi 2013) (Atel and Atel 2012)(Tahsil 2021)(Pillai et al. n.d.)(Shinde 2021)(Atel and Atel 2012) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008) (Shah, Sheth, and Parabia 2012) (KUMAR 2015) (Jadeja, Odedra, and Odedra 2006)(Mownika, Sharmila, and Ramya 2021)(J. Prakash, Ayyanar, and Sekar 2011)(Vijayashalini et al. 2017)(Soman 2011)(Area 2010)(Parinitha et al. 2004)(Ganesan, Suresh, and Kesaven 2004) (Sutha et al. 2010) (Ghatapanadi, Johnson, and Rajasab 2011)(Revathi 2010) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011) (Francis et al. 2014) (Venkatachalapathi et al. 2018)(Chandanshive et al. 2022)(Srinivasan et al. 2022)(Jenipher and Ayyanar 2022)(Acharya et al., 2023b)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Plumeria alba L.	Apocynaceae	NE	DD	M	(Waman and Khyade 2015)
Plumeria obtusa L.	Apocynaceae	NE	PI, OD	TN	(International 2010)
Plumeria rubra L.	Apocynaceae	NE	PI	TN	(Saranraj, Bhavani, and Suganthi 2016)(International 2010)(Aiwale et al. 2022)
Podospermum laciniatum subsp. decumbens	Asteraceae	NE	GD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Pogostemon cablin (Blanco) Benth.	Lamiaceae	NE	ND, RD	K TN,K	(Thirumurthy and Mol 2020)(Chithra, Km, and Sp 2016)(Chithra, Km, and Sp 2016)
Pogostemon heyneanus Benth.	Lamiaceae	NE	PI, GD, IH	K	(Mathews 2013)
Pogostemon hispidus (Benth.)	Lamiaceae	NE	OD, GI	M	(Khairnar and Gadekar 2019)(Natarajan and Paulsen 2000)
Pogostemon pubescens Benth.	Lamiaceae	NE	GI, OI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Polianthes tuberosa L.	Asparagaceae	NE	STD, GD	TN	(Ramanathan et al. 2014)
Polyalthia longifolia (Sonn.) Thwaites	Annonaceae	NE	F, GI, DD, D, PI	TN, G	(Prabhu et al. 2021) (Bosco and Arumugam 2012)(Rehamn and Sultana 2013)(Muthu et al. 2006)
Polycarpaea corymbosa (L.) Lam.	Caryophyllaceae	NE	OI, PI, RD, DD	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Nadu and Nadu 2019)(Rehamn and Sultana 2015)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)
Polygala arvensis Willd.	Polygalaceae	NE	PI, PB	TN	(Venkatachalapathi et al. 2018)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)
Polygala chinensis L.	Polygalaceae	NE	PB	TN	(Rani et al. 2011)
Polygala glaucoides L.	Polygalaceae	NE	D, OI	TN	(Profile 2012)(Vijayashalini et al. 2017)
Polygala erioptera DC	Polygalaceae	NE	PI, F	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rehamn and Sultana 2015)
Polygala javana DC	Polygalaceae	NE	GD, PB	TN	(Rani et al. 2011)(Devi 2012)
Persicaria chinensis (L.) H. Gross	Polygonaceae	NE	GD, ND, PI, GI	K TN, K	(Augustine, Kr, and Pp 2010) (Ghats and Nadu 2017)(Sathyavathi and Janardhanan 2014)(Mathews 2013)
Persicaria glabra (Willd.) M.Gómez	polygonaceaea	LC	GI, GD, OI	M, GJ TN	(Natarajan and Paulsen 2000) (Maru and Patel 2012)(Vijayashalini et al. 2017)(Range and Nadu 2017)
Polygonum plebeium R.Br.	Polygonaceae	NE	PI	TN	(Shanmugam, Rajendran, and Suresh 2012)
Polypleurum stylosum (Wight) J.B. Hall	podostomaceae	LC	GD	K	(Augustine, Kr, and Pp 2010)
*Polystichum squarrosum (*D. Don) Fée	dryopteridaceae	NE	OI	W.G	(Benjamin and Manickam 2007)
Portulaca tuberosa Roxb.	Portulacaceae	NE	GD	TN	(J. Prakash, Ayyanar, and Sekar 2011)
Portulaca wightiana Wall. ex Wight & Arn.	Portulacaceae	NE	UG, CVD	TN	(Range and Nadu 2017)(Ghats and Nadu 2017)
Pothos scandens L.	Araceae	NE	GD, PI, CVD, OT	TN, Kar	(Ayyanar and Ignacimuthu 2005) (Upadhya et al. 2012)(M Ayyanar 2016)(Acharya et al., 2023)
Pouzolzia auriculata Wight	Urticaceae	NE	DD, PI	TN	(Dhivya, S M 2016)(Sripathi and Sankari 2010)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Pouzolzia zeylanica (L.) Benn. & R.Br.	Urticaceae	NE	UG, PI, STD, D, RD, DD, GI, HH, PB	TN, Kar	(Chithra, Km, and Sp 2016)(Harsha 2004)(Devi 2012)(M Ayyanar and Ignacimuthu 2005)
Huberantha cerasoides (Roxb.)	Annonaceae	NI	PI	TN	(Devi 2012)
Premna herbacea Roxb.	Lamiaceae	NE	OD, F, PI, RD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Premna mollissima Roth.	Lamiaceae	NE	PI, RD, HH, F OI, CVD	TN	(Mownika, Sharmila, and Ramya 2021)(Kalaichelvi and Dhivya 2017)(Chithra, Km, and Sp 2016)
Premna serratifolia L.	Lamiaceae	NE	PI, GI, UG, F, C	Kar, TN, K	(Bhat, Mulgund, and Bhat 2019)(Vijayashalini et al. 2017)(Pillai et al. n.d.)
Priva cordifolia (L.f.) Druce	verbenaceae	NE	PI	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(M Ayyanar 2016)
Prosopis cineraria (L.) Druce	Fabaceae	NE	GI, PB, STD, PI,	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Jadeja, Odedra, and Odedra 2006)(Bosco and Arumugam 2012)(Kalaichelvi and Dhivya 2017)(Mownika, Sharmila, and Ramya 2021)
Prosopis juliflora (Sw.) DC	Fabaceae	NE	PI, OD, OI	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Yasothkumar 2021)(Prabhu et al. 2021)(Kalaichelvi and Dhivya 2017)(Aiwale et al. 2022)
Asparagus racemosus Willd.	Asparagaceae	NE	GI, F, STD, GD	K, Kar, M	(Vijayan et al. 2007) (Ghatapanadi, Johnson, and Rajasab 2011)(Tetali et al. 2009)
Prunus dulcis (Mill.) D.A.Webb	Rosaceae	NI	D	K	(Jayakumar et al. 2010)
Pseudarthria viscida (L.) Wight & Arn	Fabaceae	NE	PI, HH, RD, F, GI, D, CVD	K, TN	(Aswathi and Abdussalam 2021)(Mownika, Sharmila, and Ramya 2021)(Chithra, Km, and Sp 2016)(Ayyanar and Ignacimuthu 2005) (Venkatachalapathi et al. 2018)
Psidium guajava L	Myrtaceae	NE	GI, DD, HH, VD, OD, UG, OT, PI	TN, GJ, Kar, M, K	(Arts and Reserved 2021) (Jadeja, Odedra, and Odedra 2006)(Harsha et al. 2002)(Parthiban et al. 2016)(Jeyam, Subhashini, and Jeyam n.d.)(Jeeva and Femila 2012) (Tetali et al. 2009)(Prabhu et al. 2021)(Kottaimuthu 2008)(Umapriya et (Shiragave 2015)(Aadhan and Anand 2017)(Sathyavathi and Janardhanan 2014)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Manikandan 2005)(Devi 2012)al. 2011)(Parinitha et al. 2004) (Silja, Varma, and Mohanan 2008) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Srinivasan et al. 2022)(Acharya et al., 2023b)
Psilotum nudum (L.) P. Beauv.	Psilotaceae	NT	GI, OI, F, RD	TN	(Benjamin and Manickam 2007)(Range and Nadu 2017)
Cullen corylifolium (L.) Medik.	fabaceae	NE	OT, DD, D, GI, RD, F, PI, HH, GD	GJ, M	(KUMAR 2015)(Khairnar and Gadekar 2019)(Chandanshive et al. 2022)
Psychotria flavida Talbot	Rubiaceae	EN	PI	TN	(M Ayyanar 2016) (M Ayyanar 2016)
Psychotria nilgiriensis Deb & M.G.Gangop.	Rubiaceae	NI	PI	TN	(Sutha et al. 2010)(Rani et al. 2011)
Psychotria nudiflora Wight & Arn.	Rubiaceae	EN	pi	TN	(Sutha et al. 2010)(Rani et al. 2011)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Psydrax dicoccos var. dicoccos	Rubiaceae	VU	F, RD, PI	TN	(Kalaichelvi and Dhivya 2017)
Psydrax umbellata (Wight) Bridson	Rubiaceae	NE	UG	TN	(Vijayashalini et al. 2017) (Ghats and Nadu 2017)
Pteridium revolutum (Blume) Nakai	Pteridaceae	NE	GI, PI	W.G	(Benjamin and Manickam 2007)
Pteris cretica L.	Pteridaceae	NE	OI, PI	W.G	(Benjamin and Manickam 2007)
Pteris argyraea T. Moore	Pteridaceae	NE	PI	W.G	(Benjamin and Manickam 2007)
Pteris vittata L	Pteridaceae	NE	OI	W.G	(Benjamin and Manickam 2007)
Pterocarpus marsupium Roxb.	Fabaceae	VU	GI, D, STD, GI, UG, GD, PI ,CVD	GJ, K, M, TN, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(I and Kumar 2004) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008) (KUMAR 2015)(Somkuwar, Chaudhary, and Chaturvedi 2013) (No 2014)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Pushpakarani and Natarajan 2014) (Chithra, Km, and Sp 2016) (Aadhan and Anand 2017) (Rani et al. 2011)(Afr et al. 2009) (Umapriya et al. 2011) (Nadu 2022) (Jayakumar et al. 2010) (Sutha et al. 2010) (Selvamony Sukumaran et al. 2020) (Acharya et al., 2023) (Acharya et al., 2023b) (Jenipher and Ayyanar 2022)
Pterocarpus santalinus L.f.	Fabaceae	EN	PB, DD, OT, PI	TN, K, Kar	(Vijayashalini et al. 2017)(Pillai et al. n.d.)(Jeyam, Subhashini, and Jeyam n.d.)
Pterolobium hexapetalum (Roth) Santapau & Wagh	Fabaceae	NE	RD, F, GI, GD	TN	(Rehamn and Sultana 2015) (Vijayashalini et al. 2017) (Ganesan, Suresh, and Kesaven 2004)(Ignacimuthu and Ayyanar 2006)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006) (Dhivya, S M 2016)(Devi 2012)
Pterospermum rubiginosum Heyne ex Wight & Arn.	Malvaceae	EN	PI	K	(Vijayan et al. 2007)
Pterospermum suberifolium (L.) Lam.	Malvaceae	NE	PI,	K, TN	(Silja, Varma, and Mohanan 2008) (Aswathi and Abdussalam 2021) (Kottaimuthu 2008)
Pueraria tuberosa (Roxb. ex Willd.) DC.	Fabaceae	NE	GD, F, VD, PI	GJ, TN	(KUMAR 2015) (Jadeja, Odedra, and Odedra 2006) (Thekkan and Arts 2017) (Maina, Kumar, and Prasad 2016)
Pulicaria wightiana (DC.) C.B.Clarke	Asteraceae	EN	GI, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Pulicaria crispa Sch.Bip.	Asteraceae	NI	GI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Punica granatum L	Lythraceae	LC	OI, ND, F, CVD, PI, GI, STD, GD, UG, PB	M, GJ, TN K,	(Jain et al. 2010)(Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Shah, Sheth, and Parabia 2011)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Afr et al. 2009)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Devi 2012)(Silambarasan et al. 2017) (Perumal, Maung, and Gopalakrishnakone 2008) (Tetali et al. 2009)(Muniappan Ayyanar and Ignacimuthu 2011) (Silja, Varma, and Mohanan 2008) (S Sukumaran and Raj 2010) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Srinivasan et al. 2022)
Pupalia atropurpurea (Lam.) Mo*q.*	Amaranthaceae	NI	PI	TN	(Shanmugam, Rajendran, and Suresh 2012)
Pupalia lappacea (L.) Juss.	Amaranthaceae	NE	RD, PI, UG, F, GI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Punjani 2010)
Pyrrosia lanceolata (L.) Farw.	Polypodiaceae	NE	RD, ENT, DD	W.G	Sacc+A3337:F3337haram officinarum L.
Pyrus communis L.	Rosaceae	NE	GI	GJ	(Jadeja, Odedra, and Odedra 2006)
Quercus incana	Fagaceae		HH, GI	TN	(Palanisamy, Sasikala, and Natarajan 2020)
Quercus infectoria	Fagaceae		ENT, GI	GJ, TN	(Shah, Sheth, and Parabia 2012)(Srinivasan et al. 2022)
Radermachera xylocarpa (Roxb.) Roxb. ex K.Schum.	Bignoniaceae	EN	OT	M	(Natarajan and Paulsen 2000)
*Deccania pubescens var. candolleana (*Wight & Arn.) Tirveng.	Rubiaceae	EN	RD, F	TN	(Rehamn and Sultana 2015)
Catunaregam spinosa (Thunb.) Tirveng.	Rubiaceae	NE	PB, C, DD, RD, GI	M, TN, Kar	(Ghats and Nadu 2017)(Rehamn and Sultana 2015)(Dhivya, S M 2016)(Devi 2012)(Tahsil 2021)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Revathi 2010) (Pushpakarani and Natarajan 2014) (Acharya et al., 2023b)
Benkara malabarica (Lam.) Tirveng.	Rubiaceae	NE	PI	TN	(Rehamn and Sultana 2015)
Albizia odoratissima (L.f.) Benth.	Rubiaceae	NE	PI	TN	(Dhivya, S M 2016)
Tamilnadia uliginosa (Retz.) Tirveng. & Sastre	Rubiaceae	NE	GI	M	(Natarajan and Paulsen 2000)
Raphanus raphanistrum subsp. sativus (L.) Domin	Brassicaceae	NE	GD, UG, OI, PI, F, RD, DD,GI	GJ, TN,	(Atel and Atel 2012)(Punjani 2010)(Shah, Sheth, and Parabia 2011)(Atel and Atel 2012) (Jadeja, Odedra, and Odedra 2006)(Ramanathan et al. 2014)(Devi 2012)
Raphidophora pertusa Hassk	Araceae	NE	PI	kar	(Pradheeps and Poyyamoli 2013)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Rauvolfia serpentina (L.) Benth. ex Kurz	Apocynaceae	NE	GI, PB, DD, OI, HH, PB, GD, PI, ND, UG, CVD, IH	G, M, K Kar, TN	(Rodrigues 2015)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Chithra, Km, and Sp 2016)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Durairaj, Kamaraj, and Senthil 2012)(Harsha 2004)(Bhat, Mulgund, and Bhat 2019)(Devi 2012)(Area 2010) (Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)(Acharya et al., 2023), (Yogeesh and Krishnakumar 2022)(Acharya et al., 2023b)
Rauvolfia verticillata (Lour.) Baill.	Apocyanace	NE	PI	TN	(Sutha et al. 2010)(Rani et al. 2011)
Rhamnus nepalensis	Apocynaceae	NE	DD, PB	TN	(Muthu et al. 2006)(Rehamn and Sultana 2013)
Rhinacanthus nasutus (L.) Kurz	Acanthaceae	NE	PI, DD, GI, PB, OI	TN, K	(Rehamn and Sultana 2015)(Kottaimuthu 2008)(Ganesan, Suresh, and Kesaven 2004) (Selvamony Sukumaran et al. 2020)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Sankaranarayanan et al. 2010)(Devi 2012)(Sulochana et al. 2015)
Rhinacanthus nasutus (L.) Kurz	Acanthaceae	NE	PB	TN	(Jeeva and Femila 2012)
Rhynchosia cana (Willd.) DC.	Fabaceae	NE	F, PI	TN	(Ghats and Nadu 2017)
Rhynchosia minima (L.) DC.	Fabacea	LC	GD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Rhynchosia rufescens (Willd) DC	Fabaceae	NE	GI	TN, M	(Rehamn and Sultana 2015)(Dhivya, S M 2016)(Kamble et al. 2008)
Rhynchostylis retusa (L.) Blume	Orchidaceae	NE	ENT	K	(Silja, Varma, and Mohanan 2008)
Richardia scabra L.	Rubiaceae	NE	DD	TN	(Ayyanar and Ignacimuthu 2005)
Ricinus communis L.	Euphorbiaceae	NE	GI, HH, VD, GD, RD, HH, PI, GI, PB, OI	Kar, M, TN, GJ, K	(Harsha et al. 2002) (Jain et al. 2010) (Sakarkar, Sakarkaf, and Sakarkar 2004) (Parthiban et al. 2016) (Atel and Atel 2012)(Tahsil 2021)(Pillai et al. n.d.) (Atel and Atel 2012) (Shah, Sheth, and Parabia 2012) (Mitaliya, Patel, and Dodia 2003)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Mutheeswaran et al. 2011) (Upadhya et al. 2012) (Pushpakarani and Natarajan 2014)(Prabhu et al. 2021)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Pradheeps and Poyyamoli 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Muthu et al. 2006)(Harsha 2004)(Devi 2012)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(Prashantkumar and Vidyasagar 2008) (Silja, Varma, and Mohanan 2008) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Nadu 2022)(Chandanshive et al. 2022)(Aiwale et al. 2022)(Acharya et al., 2023)
Rivea hypocrateriformis (Desr.)	Convolvulaceae	NE	OT, DD, GI, PB	TN, Kar	(J. Prakash, Ayyanar, and Sekar 2011)(Ghats and Nadu 2017)(Kalaiselvan and Gopalan 2014)(Pradheeps and Poyyamoli 2013)(Ramachandran, Joseph, and Aruna 2009)
Rivea ornata Choisy	Convolvulaceaea	NE	GI	M	(Kamble et al. 2008)
Rivina humilis L.	Phytolaccaceae	NE	PB	TN	(Rani et al. 2011)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Rhodomyrtus tomentosa (Aiton) Hassk.	Myrtaceae	NI	OD	TN	(Sathyavathi and Janardhanan 2014)
Rosa × *damascena* Herrm	Rosaceae	NI	OT, PI, ED, HH	M	(Jain et al. 2010)
Rosa indica L.	Rosaceae	NI	OT	TN	(Jeeva and Femila 2012)
Rotheca serrata (L.) Steane & Mabb.	Lamiaceae	NE	RD, PI, PB, OD	M	(Shinde 2021)
Rothia indica (L.) Druce	Fabaceae	NE	OT, RD, PI, DD	TN	(Rehamn and Sultana 2015)
Rotula aquatica Lour.	Boraginaceae	NE	UG, GI	TN, K	(Chithra, Km, and Sp 2016)(Pillai et al. n.d.)
Rubia cordifolia L.	Rubiaceae	NE	DD, GI, UG, D, OD, PB, IH	M, TN, Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Mohan et al. 2008) (Vijayashalini et al. 2017)(Ghats 2019)(Ganesan, Suresh, and Kesaven 2004) (Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Sahyadri 2012)(Aadhan and Anand 2017)(Ignacimuthu and Ayyanar 2006)(Bhat, Mulgund, and Bhat 2019)(Devi 2012)(Revathi 2010) (Pushpakarani and Natarajan 2014)(Acharya et al., 2023b)
Rubus paniculatus Sm.	Rosaceae		GI, PI	TN	(Sathyavathi and Janardhanan 2014)
Rubus niveus Thunb.	Rosaceae	NE	GI, PI, OI,	TN	(Sathyavathi and Janardhanan 2014)(Kalaichelvi and Dhivya 2017)(Ghats and Nadu 2017)
Ruellia patula Jacq	Acanthaceae	NE	D, PI, F, PB	GJ, TN,	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Revathi 2010)(J. W. Prakash et al. 2008)
Ruellia prostrata Poir.	Acanthaceae	NE	HH, F, RD, OT	TN	(Ayyanar and Ignacimuthu 2005)(Range and Nadu 2017)(Rehamn and Sultana 2015)
Ruellia tuberosa L.	Acanthaceae	NE	F, GD, GI	TN	(Thekkan and Arts 2017)
Justicia heyneana J. R. I.	acanthaceae	NE	PI	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Rungia pectinata (L.) Nees	Acanthaceae	NE	OT	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Justicia repens L.	Acanthaceae	NE	PI, F, GI, OI	TN, GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Ruta chalepensis L.	Rutaceae	NE	F, OI, GI	M, K	(Shiragave 2015) (Silja, Varma, and Mohanan 2008)
Ruta graveolens L.	Rutaceae	NE	PI, PB, GI, F, RD, IH	M TN Kar	(Jain et al. 2010)(Pushpakarani and Natarajan 2014)(Parinitha et al. 2004) (Ghatapanadi, Johnson, and Rajasab 2011)(Acharya et al., 2023b)(Acharya et al., 2023)
Rhynchosia minima (L.) DC	Fabaceae	LC		TN	(Samy and Ignacimuthu 2000)
Saccharam officinarum L.	Poaceae	NE	GI, OT	TN	(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Mutheeswaran et al. 2011)
Saccharum arundinaceum Retz.	Poaceae	NE	UG	K	(Nair 2015)
Saccharum spontaneum L	Poaceae	NE	GD, ND, F, OT, DD, GI,	K	(Nair 2015)
Sacciolepis interrupta (Willd.) Stapf	Poaceae	NE	OT, RD	K	(Nair 2015)
Salacia beddomei Gamble	Celastraceae	NE	D	K	(Jayakumar et al. 2010)
Salacia chinensis L.	Celastraceae	NE	D, HH	TN, Kar	(Yogeesh and Krishnakumar 2022)
Salacia fruticosa Wall.	Celastraceae	NI	D	K	(Jayakumar et al. 2010)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Salacia macrosperma	Celastraceae	NI	D	K	(Jayakumar et al. 2010)
Salacia oblonga Wall. ex Wight & Arn.	Celastraceae	VU	D, PI	K ,TN	(Jayakumar et al. 2010)(Rehamn and Sultana 2013)
Salacia chinensis L.	Celastraceae	NE	D	K , Kar	(Jayakumar et al. 2010) (Harsha 2004)
Salvadora persica L.	Salvadoraceae	NE	OT, GI, RD, C, PI, OI	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.)(Mownika, Sharmila, and Ramya 2021)
Salvia aegyptiaca L.	Lamiaceae	NE	GI	GJ	(Jadeja, Odedra, and Odedra 2006)
Salvinia adnata Desv.	Salviniaceae	NI	OI	W.G	(Benjamin and Manickam 2007)
Sapindus mukorossi Gaertn.	Sapindaceae	NI	OI	TN	(Pushpakarani and Natarajan 2014)
Spathodea campanulata P.Beauv.	Bignoniaceae	NI	D, PI, OI	TN	(Kalaichelvi and Dhivya 2017)
Saraca asoca (Roxb.) Willd.	Fabaceae	VU	GI, PB, UG, DD, GD, RD, PI,C, STD,D	GJ, TN, Kar, K	(Maru and Patel 2012)(Aswathi and Abdussalam 2021)(Silja, Varma, and Mohanan 2008) (Ghatapanadi, Johnson, and Rajasab 2011)(Jeyam, Subhashini, and Jeyam n.d.) (Mutheeswaran et al. 2011)(Pillai et al. n.d.) (Shah, Sheth, and Parabia 2012)(Chithra, Km, and Sp 2016)(Rani et al. 2011)(Rehamn and Sultana 2013)(Vijayashalini et al. 2017) (Jayakumar et al. 2010) (Selvamony Sukumaran et al. 2020)(Nadu 2022)(Acharya et al., 2023)(Acharya et al., 2023b)
Cynanchum intermedium (Decne.) comb	Apocynaceae	NI	OT, PB	TN	(Circle 2014)(Devi 2012)(Kottaimuthu 2008)
Cynanchum viminale (L.) L.	Apocynaceae	NE	PI , ID	M	(Waman and Khyade 2015)(Rani et al. 2011)
Breynia androgyna	Phyllanthaceae	NI	GI, F, UG, PI	TN	(Rehamn and Sultana 2013)(Jothi, Benniamin, and Manickam 2008)
Breynia quadrangularis (J.G. Klein ex Willd.)	Phyllanthaceae	NI	ENT	TN	(Jothi, Benniamin, and Manickam 2008)
Schefflera capitata (Wight & Arn.) Harms	Araliaceae	EN	PI	TN	(Francis et al. 2014)
Schleichera oleosa (Lour.) Merr.	Sapindaceae	NE	DD, PI, PB, VD, RD, OI, GI, HH	GJ, K, TN, M, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Pillai et al. n.d.)(KUMAR 2015)(Chithra, Km, and Sp 2016)(Ghats and Nadu 2017)(Khairnar and Gadekar 2019)(Kottaimuthu 2008) (Augustine, Kr, and Pp 2010) (Somkuwar, Chaudhary, and Chaturvedi 2013)(Acharya et al., 2023b)
Schrebera swietenioides Roxb.	Oleaceae	NE	UG, PI	GJ M	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Jadeja, Odedra, and Odedra 2006)(Khairnar and Gadekar 2019)
Schumannianthus virgatus (Roxb.) Rolfe	Marantaceae	NE	GI, DD	K	(Area 2010) (Silja, Varma, and Mohanan 2008)
Ledebouria revoluta (L.f.) Jessop	Asparagaceae	NE	PI, CVD,	TN, M,	(Kalaiselvan and Gopalan 2014)(Rehamn and Sultana 2015)(Tahsil 2021)
Scleria lithosperma (L.) Sw.	Cyperaceae	NE	PI, GI, DD	K TN	(Vijayan et al. 2007) (Rani et al. 2011)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Sclerocarpus africanus Jacq. ex Jacq.	Asteraceae	NE	VD	TN	(Kalaichelvi and Dhivya 2017)
Scleropyrum pentandrum (Dennst.) Mabb.	Santalaceae	NE	GI, DD, F, PI	K, TN, Kar	(Area 2010)(M Ayyanar and Ignacimuthu 2005)(Acharya et al., 2023b)(Acharya et al., 2023)
*Scolopia crenata (*Wight & Arn)	Salicaceae	NE	PI	TN	(Rehamn and Sultana 2015)
Scoparia dulcis L.	Plantaginaceae	NE	GI, PI, HH, UG, RD, D	TN, K, Kar	(Circle 2014)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Francis et al. 2014)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(M Ayyanar 2016)(Area 2010) (Silja, Varma, and Mohanan 2008) (Sutha et al. 2010)(Chithra, Km, and Sp 2016)(Sankaranarayanan et al. 2010)(Devi 2012)(Acharya et al., 2023)
Scurrula parasitica L.	Loranthaceae	NE	PI, GI	TN	(Ghats and Nadu 2017)
Scutellaria violacea B.Heyne ex Benth.	Lamiaceae	NE	DD, RD, F, DD, UG, GI	TN	(M Ayyanar and Ignacimuthu 2005)(Range and Nadu 2017)(Kalaichelvi and Dhivya 2017)
Scutia myrtina (Burm. F.) Kurz.	Rhamnaceae	NE	GI	TN	(Ghats and Nadu 2017)
Microstachys chamaelea (L.) Müll.Arg.	Euphorbiaceae	NE	GI	TN	(Jothi, Benniamin, and Manickam 2008)
Secamone emetica (Retz.) R.Br. ex Schult.	Apocynaceae	NE	ND, GD, F, HH	TN	(Range and Nadu 2017)(Dhivya, S M 2016)
Flueggea virosa (Roxb. ex Willd.) Royle	Phyllanthaceae	NE	DD,OI, F	TN	(Jothi, Benniamin, and Manickam 2008)
Selaginella delicatula (Desv. ex Poir.) Alston	Selaginellaceae	NE	OI, PI	W.G	(Benjamin and Manickam 2007)
Selaginella involvens (Sw.) Spring	Selaginellaceae	NE	GI, GD, OI	W.G	(Benjamin and Manickam 2007)
Selaginella radicata	sellaginellacea	EN	OI	W.G	(Benjamin and Manickam 2007)
Semecarpus anacardium L. f	Anacardiaceae	NE	PI, HH, PB, GD, GI, RD,	TN, M,	(Pushpakarani and Natarajan 2014)(Perumal, Maung, and Gopalakrishnakone 2008) (Tetali et al. 2009)(Kottaimuthu 2008)(Shiragave 2015)(Durairaj, Kamaraj, and Senthil 2012)(Shinde 2021)(Onkar 2016) (Jain et al. 2010)
Senecio corymbosus Wall. ex DC.	Asteraceae	NE	PI	TN	(Ghats 2019)(Suresh et al. 2016)
Senna alata (L.) Roxb.	Fabaceae	NE	DD, PI, VD	TN, K, Kar	(Mutheeswaran et al. 2011)(Shanmugam et al. 2021)(Aswathi and Abdussalam 2021)(Acharya et al., 2023)
Senna alexandrina Mill.	Fabaceae	NE	OT, PB	TN	(Francis et al. 2014)
Senna auriculata (L.) Roxb.	fabaceae	NE	GI, ED, D, DD, GDGJ, TN		(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Silambarasan et al. 2017) (Mutheeswaran et al. 2011)(Mohan et al. 2008) (Selvamony Sukumaran et al. 2020)
Senna italica Mill.	Fabaceae	NE	GI	GJ	(Maru and Patel 2012)
Senna occidentalis (L.) Link	Fabaceae	NE	DD	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Senna sophera (L.) Roxb.	fabaceae	NE	DD, GI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Sericostoma pauciflorum Stocks ex Wight	boraginaceae	NI	GI	GJ	(Jadeja, Odedra, and Odedra 2006)
Sesamum indicum L	Pedaliaceae	NE	HH, GD, GI, CVD, PI, OT, ID, DD, IH, ENT	M, GJ, Kar, TN, K	(Sakarkar, Sakarkaf, and Sakarkar 2004)(Mitaliya, Patel, and Dodia 2003) (Jadeja, Odedra, and Odedra 2006)(Muniappan Ayyanar and Ignacimuthu 2011) (Silja, Varma, and Mohanan 2008)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Silambarasan et al. 2017)(Mutheeswaran et al. 2011) (Upadhya et al. 2012) (Venkatachalapathi et al. 2018)(Punjani 2010) (Prabhu et al. 2021)
Sesamum prostratum Retz	Pedaliaceae	EN	GI	M, TN	(Shinde 2021)(Rehamn and Sultana 2015)
Sesbania sesban (L.) Merr.	Fabaceae	NE	HH, OT	TN	(Devi 2012)
Sesbania grandiflora (L.) Pers.	Fabaceae	NE	F, OI, PI, C, GI, ED, RD, ENT,	M, TN	(Shinde 2021)(Muniappan Ayyanar and Ignacimuthu 2011)(Jeyam, Subhashini, and Jeyam n.d.)(Jaganathan et al. 2016)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Natarajan et al. 2013)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Chandanshive et al. 2022)(Srinivasan et al. 2022)
Sesbania javanica Miq.	Fabaceae	LC	OD	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Sesbania sesban (L.) Merr.	Fabaceae	NE	DD, CVD, HH	TN, K	(Mutheeswaran et al. 2011)(Aswathi and Abdussalam 2021)(Revathi 2010)
Setaria italica (L.) P.Beauv.	Poaceae	NE	OT, GI, PI, GD	K, TN	(Nair 2015)(Circle 2014)
Shorea roxburghii G.Don	Dipterocarpaceae	EN	PI	Kar	(Sahyadri 2012)
Sida acuta Burm.f.	Malvaceae	NE	VD, HH, PI, RD, PB, GD, STD, F, ND, OI	TN,GJ,Kar, K	(Parthiban et al. 2016)(Silja, Varma, and Mohanan 2008) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Rehamn and Sultana 2013)(Ignacimuthu and Ayyanar 2006)(Muthu et al. 2006)(Bhat, Mulgund, and Bhat 2019)(Afr et al. 2009)(Ramachandran, Joseph, and Aruna 2009)(Devi 2012)(Revathi 2010) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shanmugam et al. 2021)(Suresh et al. 2016)(Jenipher and Ayyanar 2022)
Sida spinosa L.	Malvaceae	NE	STD, UG	GJ	(KUMAR 2015)(Punjani 2010)
	Malvaceae	NE	GD, PI,OI	TN	(Rehamn and Sultana 2013)
Sida cordifolia L.	Malvaceae	NE	UG, ND, GI, STD, F, PI, ENT, DD, OI, GD	GJ TN, M	(Arts and Reserved 2021)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004)(Range and Nadu 2017)(Chithra, Km, and Sp 2016) (Sankaranarayanan et al. 2010)(Dhivya, S M 2016)(Devi 2012)(Mohan et al. 2008) (Umapriya et al. 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Jeyam, Subhashini, and Jeyam n.d.) (Shanmugam, Rajendran, and Suresh 2012) (Circle 2014)(Mownika, Sharmila, and Ramya 2021)(Nadu 2022)(Chandanshive et al. 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Sida cordata (Burm.f.) Borss.Waalk.	Malvaceae	NE	GI, PI	TN, Kar M	(Natarajan et al. 2013) (Bhat, Mulgund, and Bhat 2019)(Manikandan 2005)(Shinde 2021)
Sida spinosa L.	Malvaceae	NE	VD	GJ	(Maina, Kumar, and Prasad 2016)
Smilax ovalifolia Roxb. ex D.Don	Smilacaceae	NI	GI, PI, UG	TN	(Rehamn and Sultana 2013)
Smilax zeylanica L.	Smilacaceae	NE	DD, PI, PB, VD, UG	TN M, K	(Francis et al. 2014)(J. Prakash, Ayyanar, and Sekar 2011)(Ghats 2019)(M Ayyanar 2016)(Ganesan, Suresh, and Kesaven 2004)(Vijayan et al. 2007)(Rehamn and Sultana 2013)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Nadu 2022)
Solanum trilobatum L.	Solanaceae	NI	GD, RD, VD	TN	(Muniappan Ayyanar and Ignacimuthu 2011)(International 2010)(Parthiban et al. 2016)
Solanum americanum Mill	Solanaceae	NI	GI, DD, PI, OI, GD, IH	GJ, TN, K, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Range and Nadu 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)(Silambarasan et al. 2017)(Arts and Reserved 2021)(Acharya et al., 2023)
Solanum anguivi Lam	Solanaceae	NE	GI, DD	M, TN, K	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Area 2010)(Ganesan, Suresh, and Kesaven 2004)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Solanum erianthum D. Don	Solanaceae	NE	GI, F, OD	TN	(Kottaimuthu 2008)(Ganesan, Suresh, and Kesaven 2004)(Jaganathan et al. 2016)(Ghats and Nadu 2017)(Ignacimuthu and Ayyanar 2006)
Solanum indicum var. multiflorum Clarke ex Hook.f.	solanaceae	NE	DD, PI, RD, GI	M, GJ, TN	(Onkar 2016) (Maru and Patel 2012)(Tahsil 2021)(Manikandan 2005)(Revathi 2010)
Solanum melongena L.	Solanacaea	NE	GI, OI	TN	(Ganesan, Suresh, and Kesaven 2004)(Srinivasan et al. 2022)
Solanum americanum Mill.	Solanaceae	NE	GI, RD, F, PI, ED, VD, ENT, F, DD	K,TN, kar, GJ,	(Thirumurthy and Mol 2020)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Mohan et al. 2008)(International 2010)(Area 2010)(Umapriya et al. 2011)(Parinitha et al. 2004) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Jeeva and Femila 2012) (Pushpakarani and Natarajan 2014)(Arts and Reserved 2021) (Jadeja, Odedra, and Odedra 2006)(Shanmugam, Rajendran, and Suresh 2012) (Parthiban et al. 2016)(Prabhu et al. 2021)(Jaganathan et al. 2016)(Aadhan and Anand 2017)(Sathyavathi and Janardhanan 2014)(Pradheeps and Poyyamoli 2013)(Rehamn and Sultana 2013)(Ignacimuthu and Ayyanar 2006)(Sankaranarayanan et al. 2010)(Devi 2012)(Natarajan et al. 2013)(Ignacimuthu and Ayyanar 2006)(Muthu et al. 2006)(Afr et al. 2009)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)
Solanum pimpinellifolium L.	Solanaceae	NE	DD, OD, PI, HH	TN	(Vijayashalini et al. 2017)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Solanum pubescens Willd.	Solanaceae	NE	PI, GI, PI	TN	(Dhivya, S M 2016)(Kalaichelvi and Dhivya 2017)
Solanum torvum Sw.	Solanaceae	NE	RD, PI, F, GI, GD	TN	(Ghats and Nadu 2017)(Kalaiselvan and Gopalan 2014)(Srinivasan et al. 2022)
Solanum sisymbriifolium Lam.	Solanaceae	NI	GI, GD	TN	(Sathyavathi and Janardhanan 2014)
Solanum virginianum L.	Solanaceae	NE	RD, OD, F, VD, OI, PI,	GJ, TN, Kar, G, M	(Ethnobotany_of_Little_Rann_of_Kachchh_Gu.pdf n.d.) (Shah, Sheth, and Parabia 2012)(Prabhu et al. 2021)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(International 2010) (Selvamony Sukumaran et al. 2020)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Ignacimuthu and Ayyanar 2006)(Muthu et al. 2006)(Afr et al. 2009)(Devi 2012)(Jeeva and Femila 2012) (Venkatachalapathi et al. 2018)(Haveli 2011) (Maru and Patel 2012)(Chandanshive et al. 2022)
Solanum torvum Sw.	Solanaceae	NE	PB, RD, PB, PI, F, UG, OD, GD	TN, K, Kar	(Prabhu et al. 2021)(Jeeva and Femila 2012) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011)(Rehamn and Sultana 2013)(Rani et al. 2011)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Arts and Reserved 2021)(Mohan et al. 2008) (Area 2010) (Parinitha et al. 2004) (Augustine, Kr, and Pp 2010)
Solanum trilobatum L.	Solanaceae	NE	RD, PI, OI, ENT, CVD	TN	(Prabhu et al. 2021)(Mownika, Sharmila, and Ramya 2021)(Arts and Reserved 2021)(Jaganathan et al. 2016)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Devi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Natarajan et al. 2013)(Ignacimuthu and Ayyanar 2006)(Muthu et al. 2006)(Afr et al. 2009)(Devi 2012)(Jeeva and Femila 2012) (Mutheeswaran et al. 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Ignacimuthu and Ayyanar 2006) (S Sukumaran and Raj 2010) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)
Solanum tuberosum L.,	Solanaceae	NI	GI, PI, DD	TN	(Ramanathan et al. 2014)(Srinivasan et al. 2022)
Solanum vagum Heyne	Solanaceae	EN	DD	TN	(Ayyanar and Ignacimuthu 2005)
Solanum violaceum Ortega	Solanaceae	NE	RD, CVD	K, TN	(Silja, Varma, and Mohanan 2008)(Chithra, Km, and Sp 2016) (Pillai et al. n.d.)
Solanum virginianum L.	Solanaceae	NE	OD, RD, PI, STD, PB, C, OI, DD	GJ, K, M, TN, Kar	(Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014)(Jadeja, Odedra, and Odedra 2006)(Silja, Varma, and Mohanan 2008) (Desale et al. 2013)(Range and Nadu 2017)(Khairnar and Gadekar 2019)(Jain et al. 2010)(Shinde 2021)(Parinitha et al. 2004) (Ghatapanadi, Johnson, and Rajasab 2011) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Jaganathan et al. 2016)(Natarajan et al. 2013)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Solena heterophylla Lour.	Cucurbitaceae	EN	GI	M	(Natarajan and Paulsen 2000)
Sonchus arvensis L.	Asteraceae	NE	GI, F, GD, DD PI	M	(Jain et al. 2010)
Sonchus oleraceus (L.) L.	Asteraceae	NE	PI	TN	(Ignacimuthu and Ayyanar 2006)
Sonerila tinnevelliensis C.E.C.Fisch.	Melastomataceae	EN	PI	TN	(Sutha et al. 2010)(Rani et al. 2011)
Sopubia delphinifolia (L.) G.Don	Scrophulariaceae	NE	PB	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Soymida febrifuga (Roxb.) A. Juss.	Meliaceae	NE	GI, F, PI, DD, F, UG	GJ, TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004) (Jadeja, Odedra, and Odedra 2006)(Vijayashalini et al. 2017)
Spatholobus parviflorus (DC.) Kuntze	Fabaceae	LC	ED	K	(Vijayan et al. 2007)
Spermacoce hispida L.,	Rubiaceae	NE	PI	K	(Silja, Varma, and Mohanan 2008)
Mitracarpus hirtus (L.) DC	Rubiaceae	NE	GI	TN	(Range and Nadu 2017)
Spermacoce hispida L.	Rubiaceae	NE	UG, OT, CVD, GI, ND	TN	(Jaganathan et al. 2016)(Rehamn and Sultana 2013)(Muthu et al. 2006)(Dhivya, S M 2016)(Sripathi and Sankari 2010)
Spermacoce latifolia Aubl.	Rubiaceae	NE	PI	TN	(Venkatachalapathi et al. 2018)
Spermacoce ocymoides Burm.f.,	Rubiaceae	NE	PI. HH	TN	(M Ayyanar 2016)(Dhivya, S M 2016)
Spermacoce pusilla Wall.	Rubiaceae	NE	GI, UG	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Spermacoce remota Lam.	Rubiaceae	NE	ND, PI, UG	TN	(Rajalakshmi, Vijayakumar, and Arulmozhi 2018)
Sphaerostephanos unitus (L.) Holttum	Thelypteridaceae	NE	OI	W.G	(Benjamin and Manickam 2007)
Sphaeranthus indicus L.,	Asteraceae	NE	CVD, OI, GI, DD, HH, RD	GJ, K, TN, M	(Mutheeswaran et al. 2011)(KUMAR 2015)(Deepthy and Ab 2014)(Rani et al. 2011)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Jeyam, Subhashini, and Jeyam n.d.) (Pushpakarani and Natarajan 2014)(Muniappan Ayyanar and Ignacimuthu 2011) (Silja, Varma, and Mohanan 2008)
Blainvillea acmella (L.) Philipson	Asteraceae	NE	OD, ENT	Kar, TN, GJ	(Harsha et al. 2002)(Rehamn and Sultana 2013)(Revathi 2010)
Spondias mangifera	Anacardiaceae	NE	diarrhea	G	(Rodrigues 2015)
Spondias pinnata (L. f.) Kurz	Anacardiaceae	NE	GI, GD, DD	TN, kar , K	(Kottaimuthu 2008)(Parinitha et al. 2004)(Mathews 2013)(Acharya et al., 2023)
Sporobolus wallichii Munro ex Thwaites	poaceae	NE	OT	K	(Nair 2015)
Spermacoce articularis L.f.	Rubiaceae	NE	PI	K	(Vijayan et al. 2007)
Stachytarpheta jamaicensis (L.) Vahl	Verbenaceae	NE	GI, HH, STD, F, PI, ED, RD	TN	(Shanmugam, Rajendran, and Suresh 2012)(Circle 2014)(Range and Nadu 2017)(Rehamn and Sultana 2013)(Muthu et al. 2006)(Vijayashalini et al. 2017)(Suresh et al. 2016)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Stachytarpheta jamaicensis (L.) Vahl	Verbenaceae	NE	RD, PI	TN	(Shanmugam et al. 2021)(Dhivya, S M 2016)
Stemodia viscosa Roxb	Plantaginaceae	NE	GI, F, RD	TN	(Ghats and Nadu 2017)
Stenochlaena palustris (Burm. f.) Bedd.	Blechnaceae	NE	OI, F, DD, ENT, GI	W.G	(Benjamin and Manickam 2007)
Stenosiphonium russellianum Nees.	acanthaceae		PI	TN	(Ganesan, Suresh, and Kesaven 2004)
Stephania japonica (Thunb.) Miers	Menispermaceae	NE	OI, F, GI, GD, PI	TN	(Ghats 2019)(Manikandan 2005)
Sterculia guttata Roxb. ex DC.	Malvaceae	NE	ENT, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Sterculia urens Roxb	Malvaceae	NE	PI, GI, STD, GD, ENT, VD	GJ, M, TN	(No 2014) (Maru and Patel 2012)(Tahsil 2021)(Forest 2015) (I and Kumar 2004) (KUMAR 2015)(J. Prakash, Ayyanar, and Sekar 2011) (S Sukumaran and Raj 2010)(Shiragave 2015)
Stereospermum chelonoides (L.f.) DC.	Bignoniaceae	NE	PI	K	(Pillai et al. n.d.)
Streblus asper Lour.	Moraceae	NE	PI, GI, F, UG, GD, DD	GJ, TN,	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Biosci and Alagesaboopathi 2012)(Revathi 2010)
Strobilanthes ciliata Nees in Wall.	Acanthaceae	EN	OD	TN	(Chithra, Km, and Sp 2016)
Strobilanthes kunthiana (Nees) T. And.	Acanthaceae	EN	D, OT	TN	(Prabhu et al. 2021)
Strychnos nux-vomica L	Loganiaceae	NE	PI, PB, ED, DD, D, GD, GI, ND	TN,K, Kar, M	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Francis et al. 2014) (Sulochana et al. 2015) (Pushpakarani and Natarajan 2014)(Muniappan Ayyanar and Ignacimuthu 2011)(Kottaimuthu 2008)(Vijayashalini et al. 2017)(Vijayan et al. 2007) (Francis et al. 2014)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Chithra, Km, and Sp 2016)(Durairaj, Kamaraj, and Senthil 2012)(Harsha 2004)(Dhivya, S M 2016)(Srinivasan et al. 2022)(Srinivasan et al. 2022)(Jenipher and Ayyanar 2022)(Acharya et al., 2023b)
Strychnos potatorum L.f.	Loganiaceae	NE	D, UG, OT	K, TN,	(Jayakumar et al. 2010)(Mutheeswaran et al. 2011)(Kalaiselvan and Gopalan 2014)(Ramachandran, Joseph, and Aruna 2009)
Stylosanthes fruticosa (Retz.) Alston	Fabaceae	NE	OT, PI	TN, GJ	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Ethnobotany_of_Little_Rann_of_Kachchh_Gu.pdf n.d.)
Suaeda vermiculata Forssk. ex J.F.Gmel.	Amaranthaceae	NI	ND	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Suregada multiflora (A.Juss.) Baill.	Euphorbiaceae	NE	OT, GI	TN	(Jothi, Benniamin, and Manickam 2008)
Symphorema involucratum Roxb.	Lamiaceae	NE	OT	TN	(Rehamn and Sultana 2015)
Symplocos racemosa Roxb.	Symplocaceae	NE	PI	M, Kar	(Natarajan and Paulsen 2000)(Acharya et al., 2023b)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Synedrella nodiflora (L.) Gaertn.	Asteraceae	NE	OI, PI	TN, GJ	(Vijayashalini et al. 2017)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Syzygium salicifolium (Wight) J.Graham	Myrtaceae	NE	D	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Syzygium densiflorum Wall. ex Wight & Arn.	Myrtaceae	NI	OD	TN	(Sathyavathi and Janardhanan 2014)
Syzygium aromaticum (L.) Merr. & L.M.Perry	Myrtaceae	NE	RD, GI, DD, OD, OT, PI	GJ, TN, Kar	(Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006)(Shah, Sheth, and Parabia 2011)(Rehamn and Sultana 2013)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Jeeva and Femila 2012) (Silambarasan et al. 2017) (Venkatachalapathi et al. 2018)(Acharya et al., 2023b)(Acharya et al., 2023)
Syzygium calophyllifolium (Wight) Walp.	Myrtaceae	NE	OD, OI	TN M	(Sathyavathi and Janardhanan 2014)(Somkuwar, Chaudhary, and Chaturvedi 2013)
Syzygium cumini (L.) Skeels	Myrtaceae	NE	D, PB, GI, GD, ID, PI, OD, UG, OT,OI VD	TN, M, GJ, K, Kar	(Profile 2012)(Revathi 2010)(Bosco and Arumugam 2012) (Silambarasan et al. 2017) (Perumal, Maung, and Gopalakrishnakone 2008) (Tetali et al. 2009) (Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Arts and Reserved 2021) (I and Kumar 2004) (KUMAR 2015)(Shah, Sheth, and Parabia 2011) (Prabhu et al. 2021)(Sathyavathi and Janardhanan 2014)(Shiragave 2015)(Jaganathan et al. 2016)(Jadhav 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Natarajan et al. 2013)(Afr et al. 2009)(Khairnar and Gadekar 2019)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Devi 2012)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(Soman 2011) (Silja, Varma, and Mohanan 2008) (Francis et al. 2014)(Natarajan and Paulsen 2000) (Jain et al. 2010) (Parthiban et al. 2016) (Ethnobotanical Plants Used by the Tribes of R. D. F. 2013)(No 2014)(Srinivasan et al. 2022) (Aiwale et al. 2022) (Acharya et al., 2023)(Acharya et al., 2023b)
Syzygium jambolanum (Lam.) DC. var. axillare Gamble	Myrtaceae	EN	ENT, GI, D	TN	(Ghats and Nadu 2017)(Manikandan 2005)
Syzygium zeylanicum (L.) DC.	Myrtaceae	NE	OT, PI	TN, Kar	(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Acharya et al., 2023b)(Acharya et al., 2023b)
Syzygium salicifolium (Wight) J.Graham	Myrtaceae	NE	D, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Tabernaemontana alternifolia L.	Apocynaceae	EN	GI, GD, DD, OD, PI, IH	M, TN, K, Kar	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Rani et al. 2011)(Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Ayyanar and Ignacimuthu 2005)(Mohan et al. 2008) (M Ayyanar and Ignacimuthu 2005) (Silja, Varma, and Mohanan 2008) (S Sukumaran and Raj 2010)(Acharya et al., 2023), (Yogeesh and Krishnakumar 2022)
Tabernaemontana divaricata (L.) R.Br. ex Roem. & Schult.	Apocynaceae	NE	ED, PI, OD, DD, OI, PB	TN Kar	(Mutheeswaran et al. 2011)(Harsha et al. 2003)(Jaganathan et al. 2016)(Chithra, Km, and Sp 2016)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Devi 2012)(Rajalakshmi, Vijayakumar, and Arulmozhi 2018) (Selvamony Sukumaran et al. 2020)(Jeeva and Femila 2012)(Prabhu et al. 2021)(Saranraj, Bhavani, and Suganthi 2016)(Parinitha et al. 2004) (Afr et al. 2009)(Acharya et al., 2023)(Acharya et al., 2023)
Tabernaemontana orientalis R.Br.	Magnoliaceae	NI	OD	G	(Rodrigues 2015)
Tacca leontopetaloides (L.) Kuntze	Dioscoreaceae	NE	PI, HH	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Tadehagi triquetrum (L.)H.Ohashi	Fabaceae	NE	PI	TN	-27
Tagetes erecta L.	asteraceae	NE	OD	Kar	(Ghatapanadi, Johnson, and Rajasab 2011)
Tagetes patula L.	Asteraceae	NE	DD	GJ	(Shah, Sheth, and Parabia 2011)
Tamarandus indicus L.	Fabaceae	NI	DD, GI,PI, ED, GD, HH, VD, OT, PB, ENT	M, TN, kar, K G, M, ,GJ	(Shiragave 2015)(Jadhav 2016)(Kalaichelvi and Dhivya 2017)(Aadhan and Anand 2017)(Rodrigues 2015)(Natarajan and Paulsen 2000) (Jain et al. 2010) (Parthiban et al. 2016) (No 2014)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shanmugam et al. 2021)(Forest 2015) (I and Kumar 2004) (KUMAR 2015) (Jadeja, Odedra, and Odedra 2006)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Muthu et al. 2006)(Khairnar and Gadekar 2019)(Jeyam, Subhashini, and Jeyam n.d.)(Bosco and Arumugam 2012)(Jeeva and Femila 2012) (Upadhya et al. 2012) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Aswathi and Abdussalam 2021)(Mownika, Sharmila, and Ramya 2021) (Muniappan Ayyanar and Ignacimuthu 2011)(International 2010)(Umapriya et al. 2011)(Prashantkumar and Vidyasagar 2008) (Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)
Tamilnadia uliginosa (Retz.) Tirveng. & Sastre	Rubiaceae	NE	OT, GI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Tarenna asiatica (L.) Kuntze ex K.Schum.	Rubiaceae	NE	ED, DD, OI	TN	(Ghats and Nadu 2017)(Dhivya, S M 2016)(Rehamn and Sultana 2015)
Taxillus heyneanus (Schult.) Danser	Loranthaceae	EN	DD	TN	(Sathyavathi and Janardhanan 2014)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Tecomella undulata (Sm.) Seem.	Bignoniaceae	NI	F, C, DD, PI	GJ	(Forest 2015) (I and Kumar 2004)
*Tectaria gemmifera (*Fée) Alston	Dryopteridaceae	NE	OI, RD, PB, GI	W.G	(Benjamin and Manickam 2007)
Tectaria wightii Ching	Dryopteridaceae	NE	OI	W.G	(Benjamin and Manickam 2007)
Tectona grandis L.f.,	Lamiaceae	NE	T, HH, PI, PB UG, DD, GD, OT	Kar, M, GJ, TN, K	(Harsha et al. 2002)(Natarajan and Paulsen 2000)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Muniappan Ayyanar and Ignacimuthu 2011) (Umapriya et al. 2011)(Parinitha et al. 2004) (Silja, Varma, and Mohanan 2008)(Prabhu et al. 2021)(Jeyam, Subhashini, and Jeyam n.d.)(Kalaichelvi and Dhivya 2017)(Chithra, Km, and Sp 2016)(Manikandan 2005)(Khairnar and Gadekar 2019)(Devi 2012)(Chandanshive et al. 2022)
Tephrosia villosa (L.) Pers.	Fabaceae	LC	D, OT	TN Kar, M	(Dhivya, S M 2016)(Prashantkumar and Vidyasagar 2008) (Desale et al. 2013)
Tephrosia purpurea (L.) Pers.	Fabaceae	NE	OT, PI, GI, UG, OI, DD, PB, OD, STD,	GJ, M K, TN, kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shinde 2021) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008) (KUMAR 2015)(Jadeja, Odedra, and Odedra 2006)(Aswathi and Abdussalam 2021) (Prabhu et al. 2021)(Jeyam, Subhashini, and Jeyam n.d.) (Perumal, Maung, and Gopalakrishnakone 2008) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Muniappan Ayyanar and Ignacimuthu 2011)(Mohan et al. 2008)(Prashantkumar and Vidyasagar 2008) (Ghatapanadi, Johnson, and Rajasab 2011)(Shanmugam, Rajendran, and Suresh 2012)(Ghats and Nadu 2017) (5)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Durairaj, Kamaraj, and Senthil 2012)(Sankaranarayanan et al. 2010)(Devi 2012)(Chandanshive et al. 2022)(Aiwale et al. 2022)
Tephrosia strigosa (Dalzell) Santapau & Maheshw.	Fabaceae	NE	PI	TN	(Rehamn and Sultana 2015)
Teramnus labialis (L.f.) Spreng.	Fabaceae	NE	F, HH	K	(Aswathi and Abdussalam 2021)
Terminalia arjuna (Roxb. ex DC.) Wight & Arn.	Combretaceae	NE	D, CVD, PB, GD, PI, HH	G, TN, M, GJ, Kar	(Profile 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Rodrigues 2015)(Circle 2014) (Jain et al. 2010) (No 2014)(Durairaj, Kamaraj, and Senthil 2012)(Muthu et al. 2006)(Ramachandran, Joseph, and Aruna 2009)(Devi 2012)(J. Prakash, Ayyanar, and Sekar 2011) (Desale et al. 2013)(Tahsil 2021) (I and Kumar 2004) (KUMAR 2015)(Aiwale et al. 2022)(Acharya et al., 2023b)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Terminalia bellirica (Gaertn.) Roxb.	Combretaceae	NE	GI, GD, PI, DD, CVD, UG, ED RD, GD, F	M, GJ,Kar, TN, K,	(Desale et al. 2013)(Harsha et al. 2002) (Jain et al. 2010) (No 2014)(Shah, Sheth, and Parabia 2011) (Kottaimuthu 2008)(M Ayyanar 2016)(Patil and Patil 2005) (Silja, Varma, and Mohanan 2008) (Sahyadri 2012)(Revathi 2010) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018) (Bhat, Mulgund, and Bhat 2019)(Hosamani et al. 2012)(Devi 2012)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Forest 2015) (I and Kumar 2004) (Shah, Sheth, and Parabia 2012) (Jadeja, Odedra, and Odedra 2006) (Jeyam, Subhashini, and Jeyam n.d.) (Acharya et al., 2023b)
Terminalia catappa L.	Combretaceae	NE	RD, DD, ENT, F, GI, HH, GD	G,M, TN	(Rodrigues 2015)(Shinde 2021)(J. Prakash, Ayyanar, and Sekar 2011)(Chandanshive et al. 2022)(Aiwale et al. 2022)
Terminalia chebula Retz.	Combretaceae	NE	HH, GI, D, RD, OT, GD PI, UG, DD	K , TN, kar,GJ, G, GM	(Palanisamy, Sasikala, and Natarajan 2020)(Jaganathan et al. 2016)(Deepthy and Ab 2014) (Aadhan and Anand 2017)(Pradheeps and Poyyamoli 2013)(Ignacimuthu and Ayyanar 2006)(Ramachandran, Joseph, and Aruna 2009)(Devi 2012)(Jadeja, Odedra, and Odedra 2006)(Shah, Sheth, and Parabia 2011) (Prabhu et al. 2021) (Rodrigues 2015)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Natarajan and Paulsen 2000)(Circle 2014) (Jain et al. 2010)(Muniappan Ayyanar and Ignacimuthu 2011)(Kottaimuthu 2008)(Patil and Patil 2005) (Desale et al. 2013)(Jeyam, Subhashini, and Jeyam n.d.) (Silambarasan et al. 2017) (Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Srinivasan et al. 2022)(Acharya et al., 2023b)
Terminalia crenulata Roth	Combretaceae	NE	PI, GI, CVD, HH, OT	M, TN, GJ, Kar	(Natarajan and Paulsen 2000) (No 2014) (Maru and Patel 2012)(Pushpakarani and Natarajan 2014)(I and Kumar 2004)(Upadhya et al. 2012)
Terminalia paniculata Roth	Combretaceae	EN	PI	G	(Rodrigues 2015)
Terminalia tomentosa Wight & Arn.	Combretaceae	NI	PI, CVD, UG	G, GJ	(Rodrigues 2015)(KUMAR 2015)
Thalictrum javanicum Blume	Ranunculaceae	NE	OT	TN	(Thekkan and Arts 2017)
Themeda triandra Forssk	Poaceae	NE	PI, GD	TN	(Ayyanar and Ignacimuthu 2005)(M Ayyanar 2016)(Dhivya, S M 2016)
Thespesia lampas (Cavanilles) Dalzell & A. Gibson	Malvaceae	NE	STD, RD, DD, UG, CVD	TN, GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(J. Prakash, Ayyanar, and Sekar 2011) (S Sukumaran and Raj 2010)
Thespesia populnea (L.) Sol. ex Corrêa	malvaceae	NE	PI, DD, OT, STD, GI, PB	M, TN GJ K, TN	(Somkuwar, Chaudhary, and Chaturvedi 2013)(Circle 2014)(Prabhu et al. 2021)(Jeyam, Subhashini, and Jeyam n.d.)(Mutheeswaran et al. 2011)(I and Kumar 2004) (KUMAR 2015) M(Silja, Varma, and Mohanan 2008) (Rajalakshmi, Vijayakumar, and Arulmozhi 2018)(Rani et al. 2011)(Natarajan et al. 2013)(Sankaranarayanan et al. 2010)(Devi 2012)
Thunbergia fragrans Roxb.	Acanthaceae	NE	PI	TN	(Ganesan, Suresh, and Kesaven 2004)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Thymus vulgaris L.	Lamiaceae	NI	PB	TN	(Perumal, Maung, and Gopalakrishnakone 2008)
Tinospora cardifolia (Willd.) Hook.f. & Thomson	Menispermaceae	NE	F, RD, STD, D, PI, UG, VD, DD, T, HH, GD, C, OI	TN,M,K, Kar, GJ	(J. Prakash, Ayyanar, and Sekar 2011)(Soman 2011)(Area 2010) (Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Sutha et al. 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (Sahyadri 2012)(Harsha et al. 2003)(Shanmugam, Rajendran, and Suresh 2012)(Haveli 2011)(Somkuwar, Chaudhary, and Chaturvedi 2013) (Jain et al. 2010) (Sakarkar, Sakarkaf, and Sakarkar 2004) (Parthiban et al. 2016)(Jadhav 2016)(Chithra, Km, and Sp 2016)(Aadhan and Anand 2017)(Rani et al. 2011)(Muthu et al. 2006)(Harsha 2004)(Hosamani et al. 2012)(Dhivya, S M 2016)(Devi 2012)(Samy and Ignacimuthu 2000)(Jeyam, Subhashini, and Jeyam n.d.) (Tetali et al. 2009) (Mutheeswaran et al. 2011) (Upadhya et al. 2012) (Pushpakarani and Natarajan 2014)(Tahsil 2021) (Mitaliya, Patel, and Dodia 2003) M
Tinospora crispa (L.) Miers ex Hoo	menispermaceae	NI	OT, F, PI, OI	TN	(Rehamn and Sultana 2013)
Tinospora sinensis (Lour.) Merr	mensipermaceae	NE	PI	Kar **TN**	(Upadhya et al. 2012)
Toddalia asiatica (L.) Lam	Rutaceae	NE	DD, PI, RD, GI, CVD	TN, K	(Sathyavathi and Janardhanan 2014)(Ghats and Nadu 2017)(Jeyam, Subhashini, and Jeyam n.d.) (Revathi 2010) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)(Rani et al. 2011) (Ignacimuthu and Ayyanar 2006)(Ignacimuthu and Ayyanar 2006)(Mathews 2013) (Duraipandiyan, Ayyanar, and Ignacimuthu 2006)(Devi 2012)(Umapriya et al. 2011)(Ganesan, Suresh, and Kesaven 2004) (Sutha et al. 2010)(Mownika, Sharmila, and Ramya 2021)
Toona ciliata M.Roem.	Meliaceae	LC	OT, GI, GD, UG	GJ, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (Acharya et al., 2023)
Trachyspermum ammi (L.) Sprague	Apiaceae	NE	RD, ENT, DD, GI	GJ TN	(Shah, Sheth, and Parabia 2012)(Jaganathan et al. 2016)
Tragia involucrata L.	Euphorbiaceae	NE	CVD, DD, STD, PB, GI, D	TN, K	(Shanmugam, Rajendran, and Suresh 2012)(Jothi, Benniamin, and Manickam 2008) (Perumal, Maung, and Gopalakrishnakone 2008) (Venkatachalapathi et al. 2018)(Kottaimuthu 2008) (Silja, Varma, and Mohanan 2008) (Jayakumar et al. 2010) (Durairaj, Kamaraj, and Senthil 2012)
Tragia plukenetii Radcl.-Sm.	Euphorbiaceae	NE	DD	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)
Trema orientalis (L.) Blume	Cannabaceae	NE	D, RD, GI, ND	TN	(Ghats and Nadu 2017)(Rehamn and Sultana 2015)
Trichosanthes dioica Roxb.	Cucurbitaceae	NI	GI, OT	GJ, TN	(Jadeja, Odedra, and Odedra 2006)(Srinivasan et al. 2022)
Trichosanthes perottetiana Cogn.	Cucurbitaceae	NI	DD, GI,	TN	(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Trichodesma indicum (L.) Sm.,	Boraginaceae	NE	HH	TN	-27
Tridax procumbens (L.) L.	Asteraceae	NE	CVD, GI, PI, PB, D, VD, DD HH, OI	GJ, M, TN, Kar	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shinde 2021)(Yasothkumar 2021)(Shanmugam et al. 2021) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008) (KUMAR 2015)(Shah, Sheth, and Parabia 2011)(Jaganathan et al. 2016)(Jadhav 2016) (Ghats and Nadu 2017)(Rani et al. 2011)(Natarajan et al. 2013)(Muthu et al. 2006)(Bhat, Mulgund, and Bhat 2019)(Hosamani et al. 2012)(Dhivya, S M 2016)(Ramachandran, Joseph, and Aruna 2009)(Devi 2012)(Shanmugam, Rajendran, and Suresh 2012)(Somkuwar, Chaudhary, and Chaturvedi 2013) (Parthiban et al. 2016)(Muniappan Ayyanar and Ignacimuthu 2011)(J. Prakash, Ayyanar, and Sekar 2011)(Umapriya et al. 2011)(Prashantkumar and Vidyasagar 2008) (Ghatapanadi, Johnson, and Rajasab 2011) (Francis et al. 2014) (Selvamony Sukumaran et al. 2020)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010)(Jeeva and Femila 2012)(Ayyanar and Ignacimuthu 2005) (Tetali et al. 2009) (Mutheeswaran et al. 2011) (Venkatachalapathi et al. 2018)(Tahsil 2021)(Chandanshive et al. 2022)(Suresh et al. 2016)
Triumfetta malabarica Koen. ex Rottb.	Malvaceae	NI	GI	M	(Kamble et al. 2008)
Triumfetta bogotensis DC.	Malvaceae	NE	GI	TN	(Ramachandran, Joseph, and Aruna 2009)
Triumfetta rhomboidea Jacq	Malvaceae	NE	OT	TN	(J. Prakash, Ayyanar, and Sekar 2011)
Streblus asper Lour.	Moraceae	NE	PI	TN	(Samy and Ignacimuthu 2000)
Triticum aestivum L	poaceae	NI	RD	GJ	(Shah, Sheth, and Parabia 2012)
Turnera ulmifolia L	Passifloraceae	NE	GI, RD, CVD	TN	(Nadu and Nadu 2019)
Turraea pubescens Hellen	Meliaceae	NE	OI	M	(Somkuwar, Chaudhary, and Chaturvedi 2013)
Tylophora indica (Burm. f.) Merr.	Apocynaceae	NE	RD, PB, F, HH	GJ M, TN, Kar	(Venkatachalapathi et al. 2018)(Shah, Sheth, and Parabia 2012)(Jeeva and Femila 2012) (Silambarasan et al. 2017)(Ghats and Nadu 2017)(Waman and Khyade 2015)(Ignacimuthu and Ayyanar 2006)(Sankaranarayanan et al. 2010)(Devi 2012)(Mohan et al. 2008) (Parinitha et al. 2004) (Ghatapanadi, Johnson, and Rajasab 2011)
Tylophora dalzellii Hook.f.	Apocynaceae	NI	F, RD, DD, PI	M	(Waman and Khyade 2015)(Somkuwar, Chaudhary, and Chaturvedi 2013)
Tylophora longifolia Wight	Apocyanaceae	NI	PB	TN	(Perumal, Maung, and Gopalakrishnakone 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Typha angustifolia L.	Typhaceae	LC	PI	TN, GJ	(Shanmugam et al. 2021) (Ethnobotany_of_Little_Rann_of_Kachchh_Gu .pdf n.d.) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008)(Suresh et al. 2016)
Typhonium trilobatum (L.) Schott	Araceae	NE	OI	TN	(Saranraj, Bhavani, and Suganthi 2016)
Uraria picta (Jacq.) Desv.	Fabaceae	LC	PI, GD	GJ, K	(Jadeja, Odedra, and Odedra 2006)(Aswathi and Abdussalam 2021)
Urena lobata L	Malvaceae	NE	UG, OT, ENT, PI, OI, PI, HH, PB, F GD	GJ, TN, M, Kar , K	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Arts and Reserved 2021)(Shinde 2021)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Circle 2014)(Ayyanar and Ignacimuthu 2005) (Upadhya et al. 2012)(J. Prakash, Ayyanar, and Sekar 2011)(M Ayyanar and Ignacimuthu 2005) (Silja, Varma, and Mohanan 2008)
Vallaris solanacea (Roth) Kuntze	Apocynaceae	NE	VD	Kar	(Sahyadri 2012)
Vanda tessellata (Roxb.) Hook. ex G.Don	Orchidaceae	NE	ED, PI, GI, PB	TN	(Mownika, Sharmila, and Ramya 2021)(Rehamn and Sultana 2015)
Vanda testacea (Lindl.) Rchb.f.,	Orchidaceae	NE	CVD, GI, PI, PB, F	TN	(Mownika, Sharmila, and Ramya 2021)
Vateria indica L	Dipterocarpaceae	CR	PB, DD, ENT, RD, GI, PI	TN	(Vijayashalini et al. 2017)
Ventilago denticulata (Willd.)	Rhamnaceae	NE	UG, GD	M, GJ	(Tahsil 2021) (KUMAR 2015)(Patil and Patil 2005)
Ventilago madraspatana Gaertn	Rhamnaceae	NI	PI, HH	TN, Kar	(Sutha et al. 2010)(Rani et al. 2011)(Acharya et al., 2023b),(Yogeesh and Krishnakumar 2022)
Baccharoides anthelmintica (L.) Moench	Asteraceae	NE	PI, HH, RD, GD, GI, OI	K, M, GJ TN	(Pillai et al. n.d.)(Shinde 2021) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008)(Kottaimuthu 2008) (Silja, Varma, and Mohanan 2008)
Cyanthillium cinereum (L.) H.Rob.,	Asteraceae	NE	ED, PI, OI, DD, UG, C, F, GI	M, K GJ TN,	(Prabhu et al. 2021)(I and Kumar 2004) (KUMAR 2015)(Chithra, Km, and Sp 2016)(Deepthy and Ab 2014)(Rehamn and Sultana 2013)(Afr et al. 2009)(Biosci and Alagesaboopathi 2012)(Thekkan and Arts 2017)(Shanmugam, Rajendran, and Suresh 2012)(Haveli 2011)(Somkuwar, Chaudhary, and Chaturvedi 2013) (Jain et al. 2010)(Mohan et al. 2008) (Patil and Patil 2005)v(Jeyam, Subhashini, and Jeyam n.d.)(Ayyanar and Ignacimuthu 2005) (Venkatachalapathi et al. 2018)(Ganesan, Suresh, and Kesaven 2004)
Vernonia conyzoides Wt	Asteraceae	EN	PI	TN	(Manikandan 2005)
Acilepis dendigulensis (DC.) H.Rob.	Asteraceae	EN	OI	M	(Natarajan and Paulsen 2000)
Acilepis divergens (Roxb.) H.Rob. & Skvarla	Asteraceae	NE	ED	K	(Thirumurthy and Mol 2020)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Chrysopogon zizanioides (L.) Roberty	Poaceae	NE	OT, PB, UG, OI, F, HH, DD, CVD, OD	K, TN	(Nair 2015)(Rehamn and Sultana 2013)(Afr et al. 2009)(Silja, Varma, and Mohanan 2008)(Rani et al. 2011)
Vicia faba L	Fabaceae	NE	OT	TN	(Arts and Reserved 2021)
Pentanema indicum (L.) Ling	Asteraceae	NE	GD, PB, ENT	TN	(Rehamn and Sultana 2015)
Vigna unguiculata (L.) Walp.	Fabaceae	NI	GI , HH	TN, GJ	(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(I and Kumar 2004)
Vigna vexillata (L.) A.Rich	Fabaceae	NE	DD	TN	(J. Prakash, Ayyanar, and Sekar 2011)
Viola cinera	Violaceae	NE	OT, RD, GI, PI	GJ	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)
Viola odorata L	Violaceae	NE	ENT	GJ	(Shah, Sheth, and Parabia 2012)
Hybanthus enneaspermus (L.) F.Muell.	Violaceae	NE	HH	TN	(Jeeva and Femila 2012)
Viscum album L., Sp	Santalaceae	NI	CVD, C	TN	(Venkatachalapathi et al. 2018)
Viscum articulatum Burm. f.	loranthaceae	NE	GI, RD F, PI,	GJ TN, K	(Salahuddin et al. 2013)(Kalaichelvi and Dhivya 2017)(Mathews 2013)
Viscum trilobatum, Talb	Loranthaceae	NE	RD	TN	(Range and Nadu 2017)
Vitex altissima L.f.	Lamiaceae	NE	PI, GD, CVD	TN, K, Kar	(Mownika, Sharmila, and Ramya 2021)(Vijayashalini et al. 2017) (M Ayyanar 2016) (Augustine, Kr, and Pp 2010) (Francis et al. 2014) (Acharya et al., 2023b)
Vitex peduncularis Wall. ex Schauer	Lamiaceae	NE	PI	TN	(J. Prakash, Ayyanar, and Sekar 2011)
Vitex trifolia L.	Lamiaceae	NE	PI	TN	(Francis et al. 2014)
Cissus quadrangularis L.	Vitaceae	NE	ENT	K	(Thirumurthy and Mol 2020)
Vittaria elongata Sw.	Pteridaceae	NE	PI	W.G	(Benjamin and Manickam 2007)
Moullava spicata (Dalzell) Nicolson	Fabaceae	EN	PI	G	(Rodrigues 2015)
Waltheria indica L.	Malvaceae	NE	GI, OI, GD	TN	(Francis et al. 2014) (Rehamn and Sultana 2015)(Dhivya, S M 2016)
Dregea volubilis (L.f.) Benth. ex Hook.f.	Apocynaceae	NE	UG, GD, PI, F, RD, ED, D, PB, GI	K TN, kar,M	(Silja, Varma, and Mohanan 2008) (Tahsil 2021)(Jaganathan et al. 2016) (Ghats and Nadu 2017)(Pradheeps and Poyyamoli 2013)(Waman and Khyade 2015)(Muthu et al. 2006) (Devi 2012) (Mownika, Sharmila, and Ramya 2021)(Acharya et al., 2023b)
Sphagneticola calendulacea (Linnaeus) Pruski,	Asteraceae	LC	HH, PB, OD,	TN	(Muniappan Ayyanar and Ignacimuthu 2011,) (Perumal, Maung, and Gopalakrishnakone 2008)(Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (J. Prakash, Ayyanar, and Sekar 2011)
Wedelia urticifolia (Blume) DC. ex Wight	Asteraceae	NE	OI	TN	(Kalaiselvan and Gopalan 2014)
Wedlandia tinctoria DC.	Rubiacea	NI	PI	TN	(Mohan et al. 2008)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Withania somnifera (L.) Dunal	Solanaceae	NE	D, PI, GI, OI, GD, CVD, RD, UG, ND	TN Kar, M GJ	(Mutheeswaran et al. 2011)(Aadhan and Anand 2017) (Jaganathan et al. 2016)(Ramanathan et al. 2014)(Harsha 2004)(Bhat, Mulgund, and Bhat 2019)(Sankaranarayanan et al. 2010)(Afr et al. 2009)(Khairnar and Gadekar 2019)(Devi 2012)(Biosci and Alagesaboopathi 2012)(Saranraj, Bhavani, and Suganthi 2016)(Shinde 2021) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008)(Prabhu et al. 2021)(J. Prakash, Ayyanar, and Sekar 2011)(International 2010) (Ghatapanadi, Johnson, and Rajasab 2011) (Desale et al. 2013)(Thekkan and Arts 2017)(Jeyam, Subhashini, and Jeyam n.d.) (Silambarasan et al. 2017) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018)(Chandanshive et al. 2022)(Srinivasan et al. 2022)(Acharya et al., 2023b)
Woodfordia fruticosa (L.) Kurz, J.	Lythraceae	LC	GI, UG, GD, DD, PI	K, GJ, M, TN	(Mathews 2013)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (KUMAR 2015)(Punjani 2010)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Natarajan and Paulsen 2000)(J. Prakash, Ayyanar, and Sekar 2011)(Patil and Patil 2005)
Wrightia arborea (Dennst.) Mabb.	Apocyanaceea	NE	GD, PB, F	M, TN, GJ	(Natarajan and Paulsen 2000)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Umapriya et al. 2011)
Wrightia tinctoria R.Br.	Apocynaceae	LC	ED, DD, PB, GI, PI, GD, OD, OT	M, K,TN, G, GJ,	(Shiragave 2015)(Deepthy and Ab 2014)(Rani et al. 2011)(Waman and Khyade 2015)(Muthu et al. 2006)(Rehamn and Sultana 2015)(Saranraj, Bhavani, and Suganthi 2016)(Haveli 2011)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004) (KUMAR 2015)(Jeyam, Subhashini, and Jeyam n.d.) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Mutheeswaran et al. 2011) (Pushpakarani and Natarajan 2014) (Venkatachalapathi et al. 2018) (Pillai et al. n.d.) (Kottaimuthu 2008), (Umapriya et al. 2011)(Patil and Patil 2005) (Francis et al. 2014) (Selvamony Sukumaran et al. 2020)(Nadu 2022)
Wrightia antidysenterica (L.) R. Br	Apocynaceae	NE	VD	GJ	(KUMAR 2015)
Xanthium strumarium L.	Asteraceae	NE	OD, PB, PI, UG, OI, GD, C, OT, F	TN, Kar,GJ , M	(J. Prakash, Ayyanar, and Sekar 2011)(Pradheeps and Poyyamoli 2013)(Ghatapanadi, Johnson, and Rajasab 2011)(Punjani 2010)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020) (I and Kumar 2004) (KUMAR 2015)(Chandanshive et al. 2022)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Catunaregam spinosa (Thunb.) Tirveng.	Rubiaceae	NE	RD,DD, GI, PB	GJ, TN, M	(Shah, Sheth, and Parabia 2011)(I and Kumar 2004)(Ghats and Nadu 2017)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Chithra, Km, and Sp 2016)(Ignacimuthu and Ayyanar 2006)(Francis et al. 2014)(Kamble et al. 2008)(Patil and Patil 2005)
Ximenia americana L.	Olacaceae	NE	STD, OT, GI, DD	TN	(Rehamn and Sultana 2015)
*Xylia xylocarpa (*Roxb.) Taub.	Fabaceae	NE	PI, GI, UG, OT, D, F, DD,	K, TN, M	(Aswathi and Abdussalam 2021)(Mownika, Sharmila, and Ramya 2021)(Kalaichelvi and Dhivya 2017)(Vijayashalini et al. 2017)(Somkuwar, Chaudhary, and Chaturvedi 2013)
Zaleya decandra (L.) Burm. f.	Aizoaceae	NE	D, OT, RD, OI	TN	(Range and Nadu 2017)(Shanmugam, Rajendran, and Suresh 2012)(Revathi 2010)
Zanthoxylum rhetsa DC.	Rutaceae	NE	OT, GD, ENT, PI	Kar, M , TN,	(Upadhya et al. 2012)(Somkuwar, Chaudhary, and Chaturvedi 2013)(Rani et al. 2011)(Parinitha et al. 2004)(Acharya et al., 2023)
Zea mays L.	Poacea	NE	UG	M	(Desale et al. 2013)
Zehneria scabra Sond	Cucurbitaceae	NE	E, RD	TN	(Devi 2012)
Zehneria maysorensis (Wight & Arn.) Arn	Cucurbitaceae	NE	GI, OT	TN	(Ayyanar and Ignacimuthu 2005)(Ghats 2019)
Zingiber officinale Roscoe	Zingiberaceae	NE	RD, DD, D, HH, GI GD, C, OD, VD, IH	M, TN, GJ, K, Kar	(Shiragave 2015)(Aadhan and Anand 2017)(Celin Pappa Rani, Jayavarthana, and Jeeva 2018)(Sankaranarayanan et al. 2010)(Manikandan 2005)(Devi 2012)(Jeeva and Femila 2012) (Ignacimuthu, Ayyanar, and Sankarasivaraman 2008) (Tetali et al. 2009) (Tetali et al. 2009)(Muthees(Shah, Sheth, and Parabia 2012)waran et al. 2011)(Vijayan et al. 2007) (Silja, Varma, and Mohanan 2008) (Selvamony Sukumaran et al. 2020)(Shah, Sheth, and Parabia 2011) (Prabhu et al. 2021)(Kamble et al. 2008) (Parthiban et al. 2016)(Acharya et al., 2023b)
Ziziphus jujuba Mill.	Rhamnaceae	NE	GI, PI, RD, F, C, PB, GD, UD, HH, DD,	TN, kar,M, GJ,	(Palanisamy, Sasikala, and Natarajan 2020) (Ghats and Nadu 2017)(Nadu and Nadu 2019)(Pradheeps and Poyyamoli 2013)(Khairnar and Gadekar 2019)(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Shanmugam et al. 2021) (Indian Journal of Advances in Plant Research (IJAPR) Ethnomedicinal plants used by the tribals in Bhiloda taluka of Sabarkantha district , Gujarat 2008)(Jeyam, Subhashini, and Jeyam n.d.)(Revathi 2010) (Silambarasan et al. 2017) (Venkatachalapathi et al. 2018)(J. Prakash, Ayyanar, and Sekar 2011)(Umapriya et al. 2011)(Nadu and Nadu 2019) (Rehamn and Sultana 2015)(Tetali et al. 2009(Jain et al. 2010) (Parthiban et al. 2016)(Suresh et al. 2016)
Ziziphus oenoplia (L.) Mill	Rhamnaceae	NI	PI, GI, DD, OI,	TN, K,	(Rehamn and Sultana 2015)(Dhivya, S M 2016)(Revathi 2010)
Ziziphus jujuba Mill. subsp. spinosa (Bunge) Peng	Rhamnaceae	NE	OT, HH	TN	(Muniappan Ayyanar and Ignacimuthu 2011)

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Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Ziziphus glabrata B.Heyne ex Roth	Rhamnaceae	NE	GI, GD, OT	TN	(Ganesan, Suresh, and Kesaven 2004)(Rehamn and Sultana 2015)
Zizyphus abyssinica, Hochst. Ex A. Rich.	Rhamnaceae	NE	OI, C,	TN	(Kalaichelvi and Dhivya 2017)
Ziziphus nummularia (Burm. f.) Wight & Arn	Rhamnaceae	NE	DD	TN	(Ghats and Nadu 2017)
Zizyphus oenoplia, Mill.	Rhamnaceae	NE	GI PI, IH, GD, DD, OT	TN, Kar	(Ghats and Nadu 2017)(Acharya et al., 2023b)
Zizyphus rugosa	Rhamnaceae	NE	GI, GI, DD, F, PI,	TN, kar, M	(Harsha et al. 2002) (Jain et al. 2010) (Sathyavathi and Janardhanan 2014)(Pradheeps and Poyyamoli 2013)(Rani et al. 2011)(Mownika, Sharmila, and Ramya 2021)
Zornia gibbosa	Fabaceae	NE	ND, GI, PI,	GJ TN	(Ecological and Ethnobotanical Characterisation of Gujarat Forests 2020)(Rehamn and Sultana 2015)(Ayyanar and Ignacimuthu 2005)
Abrus precatorius L.	Fabaceae	NE	PI , OT	TN, Kar	(Nadu 2022); (Acharya et al., 2023b)
Amorphophallus paeoniifolius (Dennst.) Nicolson	Araceae	NE	PI	TN	(Nadu 2022)
Arachis hypogaea L.	Fabaceae	NE	PI	TN, Kar	(Nadu 2022)(Acharya et al., 2023b)
Barleria cuspidata F.Heyne ex Nees	Acanthaceae	Endemic to peninsular india, NE	PI	TN	(Nadu 2022)
Blepharis maderaspatensis (L.) B.Heyne ex Roth	Acanthaceae	NE	PI	TN	(Nadu 2022)
Bupleurum ramosissimum var. wightii (Mukh.) S.S.R.Bennet	Apiaceae	NE	PI	TN	(Nadu 2022)
Cannabis sativa L.	Cannabaceae	NE	PI	TN	(Nadu 2022)
Cleome viscosa L	Cleomaceae	NE	PI, ENT, OD, HH	TN	(Nadu 2022)(Suresh et al. 2016)
Clerodendrum inerme (L.) Gaertn.	Lamiaceae	NE	PI	TN	(Nadu 2022)
Clerodendrum phlomidis L.f.	Lamiaceae	NE	PI	TN	(Nadu 2022)
Coffea arabica L.	Rubiaceae	NE	PI	TN	(Nadu 2022)
Crinum asiaticum L	Amaryllidaceae	NE	PI	TN	(Nadu 2022)
Vigna mungo (L.) Hepper	Fabaceae	NE	PI, GD, OT	TN, M	(Nadu 2022)(Chandanshive et al. 2022)
Santalum album L.	Santalaceae	VU	PI, HH, ENT, DD, STD, OT	TN, M, Kar	(Nadu 2022)(Chandanshive et al. 2022)(Aiwale et al. 2022)(Acharya et al., 2023b),(Yogeesh and Krishnakumar 2022)
Solanum nigrum	Solanaceae	NI	PI	TN	(Nadu 2022)
Tabernaemontana divaricata (L.) R.Br. ex Roem. & Schult.	Apocynaceae	NE	PI	TN	(Nadu 2022)
Dicoma tomentosa Cass.	Asteraceae	NE	PB	Kar	(Dahariya et al. 2020)
Canscora alata (Roth) Wall.	Gentianaceae	NE	F, CVD	M	(Chandanshive et al. 2022)
Carthamus tinctorius L.	Asteraceae	NE	PI, GI, RD	M, TN	(Chandanshive et al. 2022)(Aiwale et al. 2022)
Dalbergia sissoo Roxb.	Fabaceae	NE	F, GI, DD	M	(Chandanshive et al. 2022)

… *Contd.*

Supplementary Table S2 — Ethnomedicianl plants from Western Ghats with their ethnomedicinal uses (Contd.)

Scientific Name	Family	Conservation status	Ethnomedicinal use	State	References
Gossypium arboreum L	Malvaceae	NE	UG, PB, PI	M	(Chandanshive et al. 2022)
Indigofera trifoliata	Fabaceae	NE	OT	M	(Chandanshive et al. 2022)
Ipomoea cheirophylla O'Donell	Convolvulaceae	NE	GI, OT, PB	M, Kar	(Chandanshive et al. 2022)(Acharya et al., 2023b)
Parkinsonia aculeata L.	Fabaceae	NE	F, OI	M	(Chandanshive et al. 2022)
Portulaca oleracea	Portulacaceae	NE	UG, OD , PI	M	(Chandanshive et al. 2022)
Rumex vesicarius L.	Polygonaceae	NE	GI, OD, PI	M	(Chandanshive et al. 2022)
Senna tora (L.) Roxb.	Fabaceae	NE	DD, PI,	M, TN, Kar	(Chandanshive et al. 2022)(Aiwale et al. 2022)(Acharya et al., 2023)
Sesbania bispinosa (Jacq.) W.F.Wight	Fabaceae	LC	PI, DD, UG	M	(Chandanshive et al. 2022)
Spinacia oleracea L.	Amaranthaceae	NE	F, ENT, GI	M	(Chandanshive et al. 2022)
Tribulus terrestris	Zygophyllaceae	NE	GD, UG	M	(Chandanshive et al. 2022)(Acharya et al., 2023b)(Acharya et al., 2023)
Vitex negundo L.	Lamiaceae	NE	PI, ENT, HH	M, Kar	(Chandanshive et al. 2022)(Acharya et al., 2023b), (Yogeesh and Krishnakumar 2022)(Acharya et al., 2023)
Acacia leucophloea	Fabaceae	NE	PI	TN	(Suresh et al. 2016)
Tamarindus indica L.	Fabaceae	NE	PI, ENT	TN, Kar	(Suresh et al. 2016)(Aiwale et al. 2022)(Acharya et al., 2023)
Acacia polyacantha Willd.	Fabaceae	NE	OT	TN	(Srinivasan et al. 2022)
Acanthospermum hispidum	Asteraceae	NE	UG, GD, DD	TN	(Srinivasan et al. 2022)
Ageratum conyzoides L.	Asteraceae	NE	DD , HH	TN, Kar	(Srinivasan et al. 2022)(Yogeesh and Krishnakumar 2022)
Amaranthus dubius Mart. ex Thell.	Amaranthaceae	NI	OT, ED	TN	(Srinivasan et al. 2022)
Aristolochia bracteolata	Aristolochiaceae	NE	PB	TN	(Srinivasan et al. 2022)
Cleistanthus collinus (Roxb.) Benth. ex Hook.f.	Phyllanthaceae	VU	DD	TN	(Srinivasan et al. 2022)
Madhuca longifolia (J.König ex L.) J.F.Macbr.	Sapotaceae	NE	DD	TN	(Srinivasan et al. 2022)
Sechium edule (Jacq.) Sw.	Cucurbitaceae	NE	OT	TN	(Srinivasan et al. 2022)
Delonix regia (Hook.) Raf	Fabaceae	LC	GI, PI	TN	(Aiwale et al. 2022)
Monoon longifolium (Sonn.) B. Xue & R. M. K. Saunders	Annonaceae	NI	D, DD,	TN	(Aiwale et al. 2022)
Barringtonia racemosa (L.) Spreng.	Lecythidaceae	NE	DD	Kar	(Acharya et al., 2023**b)**
Anamirta cocculus (L.) Wight & Arn.	Menispermaceae	NE	PI	Kar	(Acharya et al., 2023**b)**
Antidesma montanum var. wallichii (Tul.) Petra Hoffm	Euphorbiaceae	NE	PI, DD	Kar	(Acharya et al., 2023b); (Acharya et al., 2023)
Thottea siliquosa (Lam.) Ding Hou	Aristolochiaceae	NE	PI	Kar	(Acharya et al., 2023b)

Supplementary Table S3 — List of plants used in the treatment of cancer, cardiovascular diseases and diabetes.

Sl. No.	Plant species	Disease*
1.	*Abutilon indicum* (L.) Sweet	D, C
2.	*Actinodaphne hookeri* Meisn.	D
3.	*Adiantum capillus-veneris* Linn	C
4.	*Aegle marmelos* (L.)	CVD, D
5.	*Aerva lanata* (Linn.) Juss. ex Schult.	D
6.	*Aglaia roxburghiana* Heirn	D
7.	*Alangium salviifolium* (L.f.) Wangerin	D
8.	*Albizia lebbeck* (L.) Benth.	C
9.	*Allium cepa* L. var. aggregatum	D
10.	*Allium sativum* L.	CVD, D
11.	*Aloe vera* (L.) Burm.f.	CVD
12.	*Alpinia calcarata* (Haw.) Roscoe	C, D
13.	*Alternanthera paronychioides* A.St.Hill.	D
14.	*Alysicarpus vaginalis* (L.) DC.	C
15.	*Andrographis lineata* Nees.	D
16.	*Andrographis paniculata* (Burm.f.) Nees	C, D
17.	*Anisomeles indica* (L.) Kuntze	C
18.	*Annona muricata* L.	C
19.	*Antigonon leptopus* Hook. & Arn.	C
20.	*Aristolochia bracteolata* Lam.	D
21.	*Aristolochia indica* L	D
22.	*Arivela viscosa* (L.) Raf.	CVD, C
23.	*Ascelpias curassavica* L.	C
24.	*Asparagus racemosus* Willd.	D
25.	*Asplenium nidus* Linn.	CVD
26.	*Asplenium polyodon* G. Forst.	C
27.	*Azadirachta indica* A.Juss.	D
28.	*Baccharoides anthelmintica* (L.) Moench	C
29.	*Barleria buxifolia* L	D
30.	*Basella alba* L.	C
31.	*Benincasa hispida* (Thunb.) Cogn.	D
32.	*Bergia capensis* L.	C
33.	*Biophytum sensitivum* (L.) DC.	C, D
34.	*Blepharis integrifolia* (L.f.) E.Mey. & Drège ex Schinz	D
35.	*Boerhavia diffusa* L.,	D
36.	*Bombax ceiba* L.	D
37.	*Brassica juncea* (L.) Czern.	D
38.	*Butea monosperma* L.	CVD, D
39.	*Caesalpinia bonduc* (L.) Roxb.	D
40.	*Caesalpinia pulcherrima* (L.) Sw.	D
41.	*Cajanus cajan* (L.) Huth	D
42.	*Calamus rotang* L.	C
43.	*Calotropis gigantean* (L.) W.T. Aiton.	CVD
44.	*Canna indica* L.	D
45.	*Cannabis sativa* L.	D, CVD
46.	*Canscora alata* (Roth) Wall.	CVD
47.	*Canthium coromandelicum* (Burm.f.) Alston	CVD
48.	*Capparis decidua* (Forssk.) Edgew.	CVD
49.	*Capparis grandiflora* Wall. ex Hook.f. & Thomson	CVD
50.	*Capsicum annuum* L. var. annuum	D
51.	*Caralluma adscendens* var. fimbriata (Wall.) Gravely & Mayur.	D
52.	*Carissa carandas* L.	D
53.	*Caryatia pedata* (Lour.) A.L Juss	C
54.	*Cascabela thevetia* (L.) Lippold	CVD
55.	*Casearia esculenta* Roxb	D
56.	*Cassia fistula* L.	D
57.	*Cassia tora* L.	D

… *Contd.*

Supplementary Table S3 — List of plants used in the treatment of cancer, cardiovascular diseases and diabetes. (Contd.)

Sl. No.	Plant species	Disease*
58.	*Catharanthus pusillus* (Murray) G.Don	D
59.	*Catharanthus roseus* (L.) G.Don	C, D
60.	*Catunaregam spinosa* (Thunb.) Tirveng.	C
61.	*Cedrus deodara* (Roxb. ex Lamb.) G.Don	D
62.	*Celastrus paniculatus* Willd	D
63.	*Cenchrus ciliaris* L.	C
64.	*Centella asiatica* (L.) Urb.	CVD, D
65.	*Cheilocostus speciosus* (J.König) C.Specht	D
66.	*Chloris barbata* Sw.	D
67.	*Chromolaena odorata* (L.) R.M.King & H.Rob.	D
68.	*Chrysopogon fulvus* (Spreng.) Chiov.	CVD
69.	*Chrysopogon zizanioides* (L.) Roberty	C, CVD
70.	*Cinnamomum tamala* (Buch.-Ham.) T. Nees & Eberm.	C
71.	*Cinnamomum verum* J.Presl	D
72.	*Cissus quadrangularis* L.	CVD, C, D
73.	*Citrullus colocynthis* (L.) Schrad.	D
74.	*Citrus medica* L.	D
75.	*Cleome aspera* J.König ex DC.	D
76.	*Cleome gynandra* L	CVD
77.	*Clerodendrum infortunatum* L.	D
78.	*Clerodendrum phlomidis* L.f.	C
79.	*Coccinia grandis* (L.) Voigt	C, CVD
80.	*Coix lacryma-jobi* L.	C, D
81.	*Colocasia esculenta* (L.) Schott	C
82.	*Convolvulus prostratus* Forssk.	D
83.	*Corallocarpus epigaeus* (Rottler) C.B.Clarke	CVD, C
84.	*Corchorus aestuans* L.	C
85.	*Corchorus olitorius* L	CVD
86.	*Cordia monoica* Roxb	CVD
87.	*Coscinium fenestratum* (Goetgh.) Colebr.	D
88.	*Costus pictus* D.Don	D
89.	*Crateva religiosa* G.Forst.	C
90.	*Croton bonplandianus* Baill.	C
91.	*Cullen corylifolium* (L.) Medik.	D
92.	*Cuminum cyminum* L.	CVD, D
93.	*Curculigo orchioides* Gaertn	CVD
94.	*Curcuma aromatica* Salisb.	C, D
95.	*Curcuma longa* L.	D, C
96.	*Cyanthillium cinereum* (L.) H.Rob.,	C
97.	*Cynodon dactylon* (L.) Pers	D
98.	*Cynoglossum zeylanicum* (Vahl) Brand	D
99.	*Cyperus rotundus* L.	D
100.	*Desmodium gangeticum* (L.) DC.	CVD
101.	*Digera muricata* (L.) Mart.	D
102.	*Dioscorea oppositifolia* L.	C
103.	*Diplocyclos palmatus* (L.) C.Jeffrey	C
104.	*Dregea volubilis* (L.f.) Benth. ex Hook.f.	D
105.	*Dyerophytum indicum* (Gibbs ex Wight) Kuntze	D
106.	*Elaeagnus latifolia* L.	CVD
107.	*Elettaria cardamomum* (L.) Maton	CVD
108.	*Endostemon viscosus* (Roth) M.R.Ashby	D
109.	*Erythrina variegata* L	D
110.	*Eucalyptus tereticornis* Sm.,	CVD
111.	*Eugenia jambolana*	D
112.	*Euphorbia antiquorum* L.	D
113.	*Euphorbia neriifolia* L.	D
114.	*Euphorbia serpens* Kunth	C
115.	*Euphorbia thymifolia* L.	D

… *Contd.*

Supplementary Table S3 — List of plants used in the treatment of cancer, cardiovascular diseases and diabetes. (Contd.)

Sl. No.	Plant species	Disease*
116.	*Evolvulus alsinoides* (L.) L.	CVD
117.	*Ficus benghalensis* L.	D
118.	*Ficus microcarpa* L.f.	D
119.	*Ficus racemosa* L.,	D
120.	*Ficus tinctoria* subsp. gibbosa (Blume) Corner	D
121.	*Geodorum densiflorum* (Lam.) Schltr.	D
122.	*Glinus lotoides* L.	CVD
123.	*Gloriosa superba* L.	C
124.	*Glycosmis pentaphylla* (Retz.) DC.,	C, CVD
125.	*Glycyrrhiza glabra* L.	CVD
126.	*Gmelina arborea* Roxb.	CVD
127.	*Gmelina asiatica* L.	D
128.	*Gnidia glauca* (Fresen.) Gilg	C
129.	*Gymnema sylvestre* (Retz.) R.Br. ex Sm.	CVD, D
130.	*Helianthus annuus* L.	D
131.	*Helicteres isora* L.	D
132.	*Heliotropium indicum* L.	C
133.	*Hibiscus esculentus*	D
134.	*Hibiscus rosa-sinensis* L.	CVD, D
135.	*Holarrhena pubescens* Wall. ex G. Don	D
136.	*Holoptelea integrifolia* Planch	D
137.	*Holostemma ada-kodien* Schult.	D
138.	*Hordeum vulgare* L.	D
139.	*Ichnocarpus frutescens* (L.) W.T.Aiton	D
140.	*Indigofera aspalathoides* DC	C
141.	*Indigofera cassioides* DC.	CVD
142.	*Ipomoea batatas* (L.) Lam	D
143.	*Ipomoea obscura* (L.) Ker Gawl.,	CVD
144.	*Jatropha gossypiifolia* L.	C, D
145.	*Justicia adhatoda* L.	D
146.	*Justicia tranquebariensis* Roxb	D
147.	*Kedrostis foetidissima* (Jacq.) Cogn.	C
148.	*Lagerstroemia parviflora* Roxb	D
149.	*Lantana camara* subsp. aculeata (L.) R.W.Sanders	C
150.	*Ledebouria revoluta* (L.f.) Jessop	CVD
151.	*Leonotis nepetifoli*a var. africana (P.Beauv.) J.K.Morton	C
152.	*Lonicera japonica* Thunb.	C
153.	*Macaranga peltata* (Roxb.) Müll.Arg	C
154.	*Madhuca longifolia* var. latifolia (Roxb.) A.Chev.	D
155.	*Mangifera indica* L.	D
156.	*Merremia emarginata* (Burm. f.) Hallier f.	D
157.	*Merremia tridentata* (L.) Hallier f.	D
158.	*Mimosa hamata* Willd.	CVD
159.	*Mirabilis jalapa* L.	D, C
160.	*Momordica charantia* L.	D, C
161.	*Momordica cymbalaria* Fenzl ex Naudin	D, C
162.	*Momordica dioica* Roxb. ex Willd.	D
163.	*Monoon longifolium* (Sonn.) B. Xue & R. M. K. Saunders	D
164.	*Moringa concanensis* Nimmo	CVD
165.	*Moringa oleifera* Lam.	D
166.	*Morus alba* var. indica (L.) Bur.	C, D
167.	*Mucuna pruriens* (L.) DC.	D
168.	*Murraya koenigii* (L.) Spreng.	D
169.	*Musa paradisiaca* L.	D
170.	*Myristica fragrans* Houtt.	CVD
171.	*Nelumbo nucifera* Gaertn.	CVD, D
172.	*Nephrolepis cordifolia* (L.) C. Presl	CVD

… *Contd.*

Supplementary Table S3 — List of plants used in the treatment of cancer, cardiovascular diseases and diabetes. (Contd.)

Sl. No.	Plant species	Disease*
173.	*Nothapodytes nimmoniana* (J. Graham) Mabb.	C,D
174.	*Nymphaea nouchali* Burm.f.	D
175.	*Ocimum americanum* L.	CVD
176.	*Ocimum tenuiflorum* L.	C, D
177.	*Odontosoria chinensis* (L.) J. Sm.	C
178.	*Oldenlandia umbellata* L	CVD
179.	*Ophioglossum lusitanicum* subsp. coriaceum (A. Cunn.) R.T. Clausen	C
180.	*Ophiorrhiza mungos* L.	C
181.	*Opuntia dillenii* (Ker Gawl.) Haw.	D
182.	*Paspalum scrobiculatum* L.	D
183.	*Pentatropis microphylla* (Roth ex Schult.) Wight & Arn.	CVD
184.	*Pergularia brunoniana* (Wight & Arn.) D. Dietr.	D
185.	*Phyla nodiflora* (L.) Greene	C
186.	*Phyllanthus amarus* Schumach. & Thonn.	D
187.	*Phyllanthus emblica* L.	D
188.	*Piper betle* L.	D
189.	*Pistia stratiotes* L.	D
190.	*Plectranthus mollis* (Aiton) Spreng.	CVD
191.	*Polyalthia longifolia* (Sonn.) Thwaites	D
192.	*Polygala glaucoides* L.	D
193.	*Portulaca wightiana* Wall. ex Wight & Arn.	CVD
194.	*Pothos scandens* L.	CVD
195.	*Pouzolzia auriculata* Wight	D
196.	*Premna mollissima* Roth.	CVD
197.	*Premna serratifolia* L.	C
198.	*Prunus dulcis* (Mill.) D.A.Webb	D
199.	*Pseudarthria viscida* (L.) Wight & Arn	CVD
200.	*Pterocarpus marsupium* Roxb.	D, CVD
201.	*Punica granatum* L	CVD
202.	*Rauvolfia serpentina* (L.) Benth. ex Kurz	CVD
203.	*Rubia cordifolia* L.	D
204.	*Ruellia patula* Jacq	D
205.	*Salacia beddomei* Gamble	D
206.	*Salacia chinensis* L.	D
207.	*Salacia fruticosa* Wall.	D
208.	*Salacia macrosperma*	D
209.	*Salacia oblonga* Wall. ex Wight & Arn.	D
210.	*Salvadora persica* L.	C
211.	*Saraca asoca* (Roxb.) Willd.	C
212.	*Scoparia dulcis* L.	D
213.	*Senegalia caesia* (L.)	C
214.	*Senegalia catechu* (L. f.) P. J. H. Hurter & Mabb	D
215.	*Senegalia pennata* (L.) Maslin, Nuytsia	CVD
216.	*Senna auriculata* (L.) Roxb.	D
217.	*Senna auriculata* (L.) Roxb.	D
218.	*Senna italica* Mill.	C
219.	*Senna occidentalis* (L.) Link	D
220.	*Sesamum indicum* L	CVD
221.	*Sesbania grandiflora* (L.) Pers.	C
222.	*Sesbania sesban* (L.) Merr.	CVD
223.	*Solanum trilobatum* L.	CVD
224.	*Solanum violaceum* Ortega	CVD
225.	*Solanum virginianum* L.	C
226.	*Spathodea campanulata* P.Beauv.	D
227.	*Spermacoce hispida* L.	CVD
228.	*Sphaeranthus indicus* L.,	CVD
229.	*Strobilanthes kunthiana* (Nees) T. And.	D

… *Contd.*

Supplementary Table S3 — List of plants used in the treatment of cancer, cardiovascular diseases and diabetes. (Contd.)

Sl. No.	Plant species	Disease*
230.	*Strychnos nux-vomica* L	D
231.	*Strychnos potatorum* L.f.	D
232.	*Syzygium cumini* (L.) Skeels	D
233.	*Syzygium salicifolium* (Wight) J.Graham	D
234.	*Tecomella undulata* (Sm.) Seem.	C
235.	*Tephrosia villosa* (L.) Pers.	D
236.	*Terminalia arjuna* (Roxb. ex DC.) Wight & Arn.	CVD
237.	*Terminalia bellirica* (Gaertn.) Roxb.	CVD
238.	*Terminalia chebula* Retz.	D
239.	*Terminalia crenulata* Roth	CVD
240.	*Thespesia lampas* (Cavanilles) Dalzell & A. Gibson	CVD
241.	*Tinospora cardifolia* (Willd.) Hook.f. & Thomson	C
242.	*Tinospora sinensis* (Lour.) Merr.	D
243.	*Toddalia asiatica* (L.) Lam	CVD
244.	*Trachyspermum ammi* (L.) Sprague	C
245.	*Tragia involucrata* L.	CVD
246.	*Trema orientalis* (L.) Blume	D
247.	*Tridax procumbens* (L.) L.	CVD, D
248.	*Turnera ulmifolia* L	CVD
249.	*Vachellia horrida* (L.) Kyal. & Boatwr	CVD
250.	*Vachellia nilotica* (L.) P. J. H. Hurter & Mabb	D
251.	*Vachellia planifrons* (Wight & Arn.) Ragup	C
252.	*Vanda testacea* (Lindl.) Rchb.f.,	CVD
253.	*Viscum album* L., Sp	CVD, C
254.	*Vitex altissima* L.f.	CVD
255.	*Withania somnifera* (L.) Dunal	D, CVD
256.	*Xanthium strumarium* L.	C
257.	*Xylia xylocarpa* (Roxb.) Taub.	D
258.	*Zingiber officinale* Roscoe	C
259.	*Ziziphus jujuba* Mill.	C
260.	*Zizyphus abyssinica*, Hochst. Ex A. Rich.	C

*C: Cancer, D: Diabetes, CVD: Cardiovascular diseases.

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