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## Inhibition of *Bungarus caeruleus* snake venom toxicity by *Citrus reticulata* methanolic extract and *in-silico* analysis of possible binding modes

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## **Supplementary Information**

Inhibition of *Bungarus caeruleus* snake venom toxicity by *Citrus reticulata* methanolic extract and *in-silico* analysis of possible binding modes

Sı	upplementary Table S1 — Dose	e-dependentLD <sub>50</sub> determ	nination of B. caeru	ulues venom and their observed toxicity symptoms
Group	Venom (mg/kg) Bodyweight	No. of mice survived	Survival time (h)	Symptoms observed
I	1:0	0/4	$7.5 \pm 1.5$	Isolated, heavy breathing, eye closure, lymph paralysis
II	0.8	0/4	$9\pm2.0$	Isolated, heavy breathing, eye closure, lymph paralysis
III	0.6	1/4	$6 \pm 0.7$	Isolated, heavy breathing, eye closure, lymph paralysis
IV	0.4	2/4	$4.5\pm1.5$	Lymph paralysis
V	0.2	4/4	>48	No toxicity
VI	Saline	4/4	>48	No toxicity

Supplementary Table S2 — Neutralization of Krait venom lethality by crude methanolic Citrus reticulate Blanco extract. The LD<sub>50</sub> value of 0.4 mg/kg body weight of mice was used. The mice were challenged with twice the amount of LD<sub>50</sub> for determining the effective

		dosago	of the extract to mino	it venom lemanty.	
Group	Venom:MPE (w/w)	V+MPE (mg/kg b. w)	No. of mice survived	Survival time (h)	Symptoms observed
I	Saline	-	4/4	>48	NT
II	1:0	0	0/4	$7.5 \pm 1.5$	Isolated, heavy breathing, lymph paralysis
III	1:100	135	0/4	$12\pm2.1$	Isolated, heavy breathing, lymph paralysis
IV	1:200	270	1/4	$13\pm0.4$	Isolated, heavy breathing, lymph paralysis
V	1:250	337.5	2/4	15	Isolated, heavy breathing, lymph paralysis
VI	1:300	405	3/4	$17.5\pm5.6$	Heavy breathing, lymph paralysis
VII	1:400	540	4/4	>48	No toxicity
VIII	0:400	540	4/4	>48	No toxicity

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