Indian Journal of Fibre & Textile Research

www.niscair.res.in; http://nopr.niscair.res.in; http://op.niscair.res.in

| VOLUME 43 CODEN: IJFRET | NUMBER 3 SEPTEMBE ISSN: 0971-0426 (Print); 0975-1025 (0 | |
|---|--|-----|
| CONTENTS | | |
| Quality testing of staple yarn by an instrument capacitive sensing Subhasish Roy, Anindita Sengupta & Suraji | with dual sensing and its comparative study with it Sengupta | 269 |
| Prediction of open-hole tensile strength of unio by analytical and numerical models T Gobi Kannan, S J Pawar & Kuo Bing Che | directional flax yarn reinforced polypropylene composite | 277 |
| Electroneutral quaternization and sulfosuccination of cornstarch for improving the properties of its low-temperature sizing to viscose yarns Wei Li, Zhifeng Zhu, Xu Wang, Zhenzhen Xu & Xinhua Liu | | 285 |
| Effect of spinning process parameters on méla Suchibrata Ray, Anindya Ghosh & Debama | nge yarn quality by Taguchi experimental design lya Banerjee | 295 |
| Evaluation of flexural modulus of carbon 3D orthogonal woven fabric using a trilinear model Shohreh Minapoor, Saeed Ajeli & Mohammad Sheikhzadeh | | 301 |
| Development and characterisation of biodegra P Ganesan & P Kanmani | dable film from natural polymers | 308 |
| Effects of treatments on the properties of polyo M K Gupta, R K Gond & Ajaya Bharti | ester based hemp composite | 313 |
| Exergy analysis of porous cotton fabric drying Yuhui Wei & Xuemei Ding | process during the domestic air vented dryer | 320 |
| Effect of MVS process parameters on knitted f Sudershan Dhamija, Rajeev Kumar Varshne | | 330 |
| Enhancement of cotton hydrophobicity throug Khushalini Nitin Ulman & Sanjeev Ramcha | | 336 |
| Antibacterial and self-cleaning properties of co Seyed Javad Derakhshan, Loghman Karimi Lida Lessani | otton fabric treated with TiO2/Pt , Salar Zohoori, Abolfazl Davodiroknabadi & | 344 |

| Printing of jute fabric with natural dyes extracted from manjistha, annatto and ratanjot S N Chattopadhyay , N C Pan & A Khan | 352 |
|--|-----|
| Chemical auxiliaries free dyeing of cationized cotton with 1:2 metal complex dye Mohamed Hamdaoui, Zouhaier Romdhani, Ilhem Djebbi, Omar Harzallah & Jamel Harzallah | 357 |
| Effect of TiO ₂ nanoparticle on light fastness and degradation of dyed fabric with direct dye Reza Ghafarzadeh, Ali Shams-Nateri & Abdollah Fallah Shojaie | |
| Coloration of PLA/modified montmorillonite nanocomposite fibres with acid and basic dyes Walaikorn Nitayaphat & Piyaporn Kampeerapappun | |
| Short Communications | |
| Performance of chitosan: jasmine oil microcapsule on jute fabric N C Pan, L Ammayappan, A Khan & S Chakraborty | 375 |
| Low-stress mechanical properties and fabric hand of cotton and polylactic acid fibre blended knitted fabrics R Guruprasad, G Krishna Prasad, G T V Prabu, Sheela Raj & P G Patil | 381 |
| | |