

CONTENTS

Volume 17 Number 10 2020

- 1391 Development and Characterization of Pineapple Fibre Nonwovens for Thermal and Sound Insulation Applications
G. Thilagavathi, N. Muthukumar, S. Neela Krishnanan, and T. Senthilram
- 1401 An Eco-friendly Degumming of Apocynum Venetum with Ionic Liquid Pretreatment
Fengrui Yang, Yingchong Ma, Huanda Zheng, Laijiu Zheng, and Yuping Zhao
- 1410 Influence of Microwave Radiation on Dyeing of Bio-mordanted Silk Fabric using Neem Bark (*Azadirachta indica*)-Based Tannin Natural Dye
Mohammad Zuber, Shahid Adeel, Fazal-Ur Rehman, Fozia Anjum, Majid Muneer, Muhammad Abdullah, and Khalid Mahmood Zia
- 1423 Modification of Ultrafine Wool with Modified Protease
Zhou Zhao, Youbo Di, and Wei Wang
- 1430 Study of the Effects of the Addition of Coffee Grounds and Sugarcane Fibers on Thermal and Mechanical Properties of Briquettes
Larissa De S. Soares, Amanda A. D. Maia, Virginia A. S. Moris, and Jane M. F. De Paiva
- 1439 Development of Nettle–Polypropylene-Blended Needle-Punched Nonwoven Fabrics for Oil Spill Cleanup Applications
R. Brindha, G. Thilagavathi, and S. Viju
- 1454 Application Potential of Treated Coir Geotextiles in Unpaved Roads
Vivek, R.K. Dutta, and Raman Parti
- 1468 Multi-objective Optimization of Woven Fabric Parameters Using Taguchi–Grey Relational Analysis
Alsaïd Ahemd Almetwally
- 1479 Facile Synthesis of Flexible Hollow Conductive Polyaniline Composite Fibers from Willow Catkins
Yanan Yuan, Yangyang Xiao, Zhixin Jia, Lingyun Li, Donglan Sun, Hongfeng Zhang, Na Tang, and Xiaocong Wang
- 1488 Possibility of Exploring and Applying Wastes from Some Ornamental Plants (*Elatior etlingera*; *Costus comosus*; *Heliconia bihai*) as Sources of Natural Cellulosic Fibers
D. C. P. Quinaya and J. R. M. d'Almeida
- 1497 Influence of Bagasse/Sisal Fibre Stacking Sequence on the Mechanical Characteristics of Hybrid-Epoxy Composites
Jafrey Daniel James D, S. Manoharan, G. Saikrishnan, and S. Arjun
- 1508 Utilization of Rice Straw as a Source of Biomolecules for Sustainable Multifunctional Finishing Vis a Vis Dyeing of Wool
Satish Kadam, Ankit Sharma, Shahid-ul- Islam, Indrajit Bramhecha, and Javed Sheikh
- 1519 Evaluation of Tensile Strength of Fibers Extracted from Banana Peels
Achille Ferrante, Carlo Santulli, and John Summerscales
- 1532 Effect of Sheep Wool Fibers on Thermal Insulation and Mechanical Properties of Cement-Based Composites
V. Fiore, G. Di Bella, and A. Valenza

Volume 17 Number 11 2020

- 1545 Damage Analysis of Low-Velocity Impact of Non-Woven Flax Epoxy Composites
Mohamed Habibi, Saber Selmi, Luc Laperrière, Hojjat Mahi, and Souso Kelouwani
- 1555 Geometric Parameters Influence on the Screw Withdrawal Strength of Coir Agglomerates
Ayrton Alef Castanheira Pereira and José Roberto Moraes D'Almeida
- 1567 Acoustic Properties of Multi-Layer Wool Nonwoven Structures
Jan Broda and Marcin Bączek
- 1582 Improvement of Physiochemical Properties of Short Bamboo Fiber-Reinforced Composites Using Ceramic Fillers
Anu Gupta
- 1594 Removal of Three Fluoroquinolone Antibiotics by NaClO₂-modified Biosorbent from Fruit Fiber of *C. Procera*
Wenzhen Duan, Weilong Xiao, Ningfen Wang, Bihui Niu, and Yian Zheng
- 1605 Image Reconstruction Modeling, Simulation and Experimental Study on Wood Fibrous Paper
Wangyu Liu, Weigui Xie, Yanping Dang, Changyuan Yan, and Aimin Tang
- 1619 Investigation of Thermo-Physiological Comfort and Mechanical Properties of Fine Cotton Fabrics for Ladies' Summer Apparel
Fatima Iftikhar, Tanveer Hussain, Zulfiqar Ali, Ahsan Nazir, Dominique C. Adolphe, and Laurence Schacher
- 1630 A Study on Durability of a Fragrance Finishing on Jute Fabric
Lakshmanan Ammayappan, Nimai Chandra Pan, Sujay Chakraborty, and Amlsh Khan
- 1640 Characterization of *Musa paradisiaca* L. Cellulosic Natural Fibers from Agro-discarded Blossom Petal Waste
R. Prithvirajan, P. Narayanasamy, Naif Abdullah Al-Dhabi, P. Balasundar, R. Shyam Kumar, K. Ponmurugan, T. Ramkumar, and S. Senthil
- 1654 Durability, Antimicrobial Activity and HPLC Analysis of Dyed Silk Fabrics Using Madder and Gall Oak
Emine Torgan Güzel, Recep Karadag, and Rezan Alkan
- 1668 Comparison of Different Hydrophobic Treatments for the Durability Improvement of Palmyra Natural Fiber Composites under Hydrothermal Ageing Environments
Deepak Jain, Harpreet Sekhon, Tarun Kumar Bera, and Rajat Jain
- 1683 Post-Impact Compression Behavior of Natural Flax Fiber Composites
Mohamed Habibi, Saber Selmi, Luc Laperrière, Hojjat Mahi, and Souso Kelouwani

Volume 17 Number 12 2020

- 1693 *Terminalia arjuna* Dyed Woolen Yarn - Effect of Binary and Ternary Metal Salt Combinations: A Greener Route for Production of Ecofriendly Textiles
Luqman Jameel Rather, Mohd Shabbir, Faqeer Mohammad, and Qing Li
- 1706 Characterization studies on *Calotropis procera* fibers and their performance as reinforcements in epoxy matrix
K. Yoganandam, P. Ganeshan, B. Nagaraja Ganesh, and K. Raja
- 1719 Measuring Methods of Acoustic Properties and Influence of Physical Parameters on Natural Fibers: A Review
S Gokulkumar, PR Thyla, L Prabhu, and S Sathish

- 1739 Characterization of Novel Natural Fiber from *Saccharum Bengalense* Grass (Sarkanda)
R. Vijay, D. Lenin Singaravelu, A. Vinod, I. D. Franklin Paul Raj, M. R. Sanjay, and Suchart Siengchin
- 1748 Eco-friendly Single Bath Dyeing and Ultraviolet Protective Finishing of Proteinous Fabric Using Loganin Derived Blue Dye
Sapna P. Patil, Pintu Pandit, and Kirti S. Laddha
- 1757 Trends and Challenges on the Development of Hybridized Natural Fiber Composites
Vinayagamoorthy R.
- 1775 Alkali Treatment Effect: Mechanical, Thermal, Morphological, and Spectroscopy Studies on Abutilon Indicum Fiber-Reinforced Composites
D. Mohana Krishnudu, D. Sreeramulu, and P. Venkateshwar Reddy
- 1785 Influence of Chemical Treatments and Nanocellulose Spray Coating on the Mechanical, Low Velocity Impact and Compression after Impact Performance of Nonwoven Jute Composites
Abdul Jabbar, Jown Hussain, Abdul Basit, M. Salman Naeem, M. Usman Javaid, Mehmet Karahan, and Ahsan Nazir
- 1798 Investigation on the Classified Extraction of the Bamboo Fiber and Its Properties
Min Hu, Chunhong Wang, Chao Lu, Noor Intan Saffinaz Anuar, Sheraz Hussain Siddique Yousfani, Miaolei Jing, Zhen Chen, Sarani Zakaria, and Hengfeng Zuo
- 1809 Wool Carbonization with an Energy-Efficient Drying Process
Zdzisław Czapliski and Stanisław Strzelecki
- 1819 IGF-1 Gene Polymorphism and its Association with Cashmere Fiber Trait in Changthangi Goats
Syed Shanaz, Tasleem Ahmad Shamas Ganai, Ishraq Hussain, Sheikh Firdous Ahmad, Feroz Din Sheikh, Nadeem Shabir, Nusrat Nabi, and Nazir A Ganai