

CELLULOSE CHEMISTRY AND TECHNOLOGY

ADVANCES IN THE CHEMISTRY, PHYSICS AND TECHNOLOGY OF
POLYSACCHARIDES AND LIGNIN

56♦2022

3 - 4 ♦ MARCH -
APRIL

C O N T E N T S

- ZHE YAN, KAIXIANG JIANG, PENGWEI FAN, WENJUAN FANG, CUNZHOU ZHU, PENG PAN, HUI CAO and YOUQIANG ZHANG, Sliding friction between amorphous cotton fiber and chromium surfaces: a molecular dynamics study215-225
- DIANA CAROLINA REYES FORSBERG and OLA SUNDMAN, On the importance of variation of alkalisation conditions on cellulose ether synthesis227-238
- ARSHAD ALI, MUHAMMAD AJAZ HUSSAIN, AZHAR ABBAS, TASKIN AMAN KHAN, GULZAR MUHAMMAD, MUHAMMAD TAHIR HASEEB and IRFAN AZHAR, Comparative isoconversional thermal analysis and degradation kinetics of *Salvia spinosa* (kanocha) seed hydrogel and its acetates: a potential matrix for sustained drug release.....239-250
- HAFEDH AHMED AL-MOALEMI, SAIFUL IZWAN ABD RAZAK and SITI PAULIENA MOHD BOHARI, Electrospun sodium alginate/poly (ethylene oxide) nanofibers for wound healing applications: challenges and future directions251-270
- YANLI LI, Formation of hydrogels from antioxidative synthetic hydroxycinnamate ester conjugates based on corn bran arabinoxylan271-282
- NARCIS ANGHEL and VIOLETA MELINTE, Polysaccharide-based matrix doped with plant extract for medical and cosmetic applications283-291
- PUNEET KAUR and RAMANDEEP KAUR, Valorization of rice straw *via* production of modified xylans and xylooligosaccharides for their potential application in food industry.....293-307
- MANEL ELAKREMI, LEYRE SILLERO, LAZHER AYED, FATEN MANNAI, RIDHA BEN SALEM, JALEL LABIDI and YOUNES MOUSSAOUI, Chemical composition and biological activity of *Pistacia vera* L. leaves: beneficial effects of female leaves extract on food products309-319

| | |
|--|----------|
| MISBAH GHAZANFAR, MUHAMMAD IRFAN, HAFIZ ABDULLAH SHAKIR, MUHAMMAD KHAN, MUHAMMAD NADEEM and IRFAN AHMAD, Cellulase production optimization by <i>Bacillus aerius</i> through response surface methodology in submerged fermentation | 321-330 |
| S. SILVIANA and AFRIZA NI'MATUS SA'ADAH, Mechanical and thermal properties of bacterial cellulose reinforced with bamboo microfibrillated cellulose and plasticized with epoxidized waste cooking oil | 331-339 |
| MARINA ZAMBONATO FARINA, KETLIN CRISTINE BATISTA MANCINELLI, ANA PAULA TESTA PEZZIN and DENISE ABATTI KASPER SILVA, A new peach palm fiber mat for polyurethane matrix composites: behavior to UV-accelerated weathering | 341-352 |
| DJAMILA ZIOUI, LAMINE AOUDJIT, HANENE ABURIDEH and ZAHIA TIGRINE, Elaboration and characterization of organic membranes: effect of polymer blending on competitive transport of metal ions | 353-359 |
| JAVAD MOKHTARI and MOTAHAREH KANAFCHIAN, Cellulose/wollastonite based green membranes using rice straw: fabrication and characterization | 361-370 |
| RAGAB E. ABOUZEID, AMAL H. ABD EL-KADER, AHMED SALAMA, TAMER Y. A. FAHMY and MOHAMED EL-SAKHAWY, Preparation and properties of novel biocompatible pectin/silica calcium phosphate hybrids | 371-378 |
| VALENTINA RADIĆ SELEŠ, IRENA BATES, IVANA PLAZONIĆ, MAJA RUDOLF and IGOR ZJAKIĆ, Chemical and mechanical print stability of substrates containing alternative non-wood fibres | 379-389 |
| RASHA H. AHMED, WAFIKA N. WAHBA, RAGAB E. ABOUZEID and KORANY A. ALI, Evaluation of starch and cellulose based consolidation materials on the mechanical properties of papyrus | 391- 401 |
| SAFIRA M. BARROS , REBECCA S. ANDRADE, DEISE TORRES, BRUNA G. CHIARI-ANDRÈO, GABRIELA B. R. VELOSO, CRISTINA GONZALEZ and MIGUEL IGLESIAS, Eco-friendly technology for reactive dyeing of cationized fabrics: protic ionic liquids as innovative media | 403- 425 |
| AIDA FEKAOUNI, GHANIA HENINI and YKHLEF LAIDANI, Evaluation of <i>Opuntia ficus indica</i> as an economic adsorbent for anionic Red Bemacid dye from aqueous solution..... | 427-442 |
| POLLOB GHOSH, SOMA SAHA, RATON KUMAR BISHWAS, SUBARNA KARMAKER and TAPAN KUMAR SAHA, Adsorption of amaranth onto natural peanut husk and cationic surfactant-modified peanut husk from aqueous solution: kinetic, isotherm and thermodynamic analyses | 443-460 |
| NGUYEN THANH TUNG, NGUYEN TRUNG DUC, PHAM THI THU HA, LE DUC GIANG, HOANG THI VAN AN and NINH THE SON, A novel rice straw–butyl acrylate graft copolymer: synthesis and adsorption study for oil spill cleanup from seawater ... | 461-470 |

Press Release471-472