

CELLULOSE CHEMISTRY AND TECHNOLOGY

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

56 ♦ 2022

7 - 8 ♦ JULY -
AUGUST

C O N T E N T S

SAMSON M. MOHOMANE, SETUMO V. MOTLOUNG, LEHLOHONOLO F. KOAO and TSHWAFO E. MOTAUNG, Effects of acid hydrolysis on the extraction of cellulose nanocrystals (CNCs): a review.....	691-703
CLEMENS ALTANER, Preservative treated timber products in New Zealand	705-716
YAN YANG, BIN LI, HE SUN, YULONG FAN, AIFENG WANG, RUI ZHAO, WEI WANG and YIMING HE, Study on the decay extent of wooden components of Danxia Temple ancient building by polarized light, fluorescence and X-ray diffraction methods.....	717-726
RANJITA NATH and LALDUHSANGA PACHUAU, Wild <i>Musa</i> spp. pseudostem as a new source of cellulose nanocrystals	727-736
NOVITRI HASTUTI, HENDRIK SETIAWAN, KYOHEI KANOMATA and TAKUYA KITAOKA, Cellulose nanofibers of oil palm biomass in alginate-based membranes for water-ethanol mixture separation	737-747
ESMAEIL RASOOLY GARMAROODY, ATIYEH ESMAEILI JAFARZADEH, HOSSEIN KERMANIAN and OMID RAMEZANI, Spent black liquor as an alternative carbon source for the synthesis of bacterial cellulose	749-756
MANUELA-MARIA IFTIME and SIMONA MORARIU, Rheological properties of salicyl-imine-chitosan hydrogels: effect of crosslinking density	757-765
DANIELA AILINCAI, IRINA ROSCA, LAURA URSU and ANDREI DASCALU, Chitosan oligomers – synthesis, characterization and properties	767-776
ZULCAIF, NADIAH ZAFAR, ASIF MAHMOOD and RAI MUHAMMAD SARFRAZ, Toxicological evaluation of natural and synthetic polymer based dissolvable microneedle patches having variable release profiles	777-786

SHUAIPENG WANG, DONGLIN HAN, YIDI CHAI, KAI LIU, KUN LIANG, XIANQING ZENG, RONG ZHOU, LINQING GUO, YEXIAN CHEN, NINGNING HOU, HONGWEI LI and YUCHUAN HUANG, BNNSs-OH/CAB composite coatings as a novel film for highly efficient water vapor barrier property	787-794
ŞEYMA TUNA, ASLI BEYLER-ÇİĞİL and SERAP DEMİR, Preparation and characterization of hybrid nanomaterials containing magnetic Fe ₃ O ₄ nanoparticles as drug delivery system	795-805
ALEXANDRA AUGUSTA REICHERT, THALES CASTILHOS DE FREITAS, JOSÉ HENRIQUE ALANO and AMANDA DANTAS DE OLIVEIRA, Evaluation of phytotoxicity and biodegradation of cellulose reinforced starch biocomposites	807-814
IRINA STEPINA, MARC SODOMON, VYACHESLAV SEMENOV, GEORGY KONONOV and VLADIMIR PETUKHOV, Compatibility of modified <i>Heracleum sosnovskyi</i> cellulose-based material with some polymers	815-826
NIRMAL SHARMA, NISHI KANT BHARDWAJ and RAM BHUSHANPRASHAD SINGH, Response surface methodology for optimization of peracetic acid pretreatment of pulp to reduce pollutants from bleaching effluent.....	827-838
MUSTAFA ÇİÇEKLER, HALİL TURGUT ŞAHİN and AHMET TUTUŞ, Effects of butylamine treatment on cellulose fibers during recycling of old corrugated containers (OCC).....	839-850
SINAN SONMEZ, SWATI SOOD, MATTHEW STOOPS, PAUL D. FLEMING III, KECHENG LI, QINGLIU WU and ABDUS SALAM, Recycling of printed papers and usability in flexo printing packaging	851-860
YASUKO SAITO, NAOYA HONTAMA, YUKI TANAKA and TAKASHI ENDO, Effect of fibrillation on the ability of cellulose fibers to suppress the aggregation of quinacridone.....	861-872
GÖKHAN ÇÖLÜK, ELIF URAL and EMINE ARMAN KANDIRMAZ, Flame retardant and antimicrobial paper coatings with rosemary oil and barium borate	873-880
KHOA DANG NGUYEN, Cellulose hydrogel fibre from nipa palm (<i>Nypa fruticans</i>) shell used for adsorption of methylene blue from wastewater	881-890
JASWINDER KAUR, RAMANDEEP KAUR MANKOO, ISHA DUDEJA and SRISTHI KAPIL, Recent approaches to the synthesis of hydrogels from lignocellulosic biomass: a review	891-906
Press release.....	907-910