

CELLULOSE CHEMISTRY AND TECHNOLOGY

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

51 ♦ 2017

3-4 ♦ MARCH - APRIL

C O N T E N T S

- C. E. IURCIUC (TINCU), C. LUNGU, P. MARTIN and M. POPA, Gellan. Pharmaceutical, medical and cosmetic applications185-202
- ROXANA-ELENA GHITESCU, SILVIA CURTEANU, CAMELIA MIHAILESCU, IRINA VOLF, FLORIN LEON, ANDREI I. GILCA and VALENTIN I. POPA, Support vector machine combined with genetic algorithm for optimization of microwave-assisted extraction of polyphenols from spruce wood bark203-213
- HELI CHENG, QINGHUA FENG, DUAN WANG, PENG WANG, HAO LIU, HUAIYU ZHAN, YU LIU and YIMIN XIE, Separation, purification and characterization of corn stover hemicelluloses215-222
- JAMSHID MOHAMMADI-ROVSHANDEH, BABAK KAFFASHI, SEYED MOHAMMAD DAVACHI, PEYMAN POURESMAEEL-SELAKJANI, MONA GHORBANI CHABOKI and FATEMEH DIRINI, Preparation and characterization of benzylated products from rice straw.....223-235
- TANG HONGBO, GAO SHIQI, LI YANPING and DONG SIQING, Synthesis, characterization and properties of acetylated guar gum237-244
- MUHAMMAD AMIN, MUHAMMAD AJAZ HUSSAIN, SYEDA AQSA BATOOL BUKHARI, MUHAMMAD SHER and ZAHID SHAFIQ, Green synthesis and isoconversional thermal analysis of HPMC acetate: a potent matrix for drug delivery245-252
- FERIDE AKMAN, Prediction of chemical reactivity of cellulose and chitosan based on density functional theory253-262

YANG HU, OTHMAN HAMED, RACHID SALGHI, NOUREDDINE ABIDI, SHEHDEH JODEH and REHAM HATTB, Extraction and characterization of cellulose from agricultural waste argan press cake	263-272
CHRISTIAN SCHRAMM, ANGELIKA KITZKE and RICHARD TESSADRI, Cobalt chloride-based humidity sensor attached to sol-gel modified cellulosic material	273-282
HONGZHI BAI, MUHAMMAD IRFAN, YAN WANG, HUI WANG and XIAORI HAN, Purification and characterization of cellulose degrading enzyme from newly isolated <i>Cellulomonas</i> sp.	283-290
CÁTIA V. T. MENDES, M. GRAÇA V. S. CARVALHO and JORGE M. S. ROCHA, Bioethanol production from cellulosic fibers: comparison between batch and fed-batch saccharification	291-299
LANFENG HUI, FAYE WANG, JINJIANG PANG and ZHONG LIU, Understanding of HEDP used as a chelator in pulp bleaching	301-306
M. SARWAR JAHAN, MAMON SARKAR and M. MOSTAFIZUR RAHMAN, Mixed cooking of bamboo with hardwood	307-312
WEITAO HE, MENG WANG, XIANLIANG SONG and QIANG ZHAO, Influence of carboxymethylated holocellulose and PAE binary system on paper properties	313-318
RAŠA URBAS, STEFAN MANOJLOVIČ, BOŠTJAN ŠUMIGA and URŠKA STANKOVIČ ELESINI, Influence of microcapsules on the properties of raised prints	319-331
DOGAN TUTAK, VERONIKA HUSOVSKA, ALEXANDRA PEKAROVICOVA and PAUL D. FLEMING, Deinkability of soy inkjet ink print by modified INGEDE method using soy oleic acid	333-340
SEYED MOHAMMAD MIRMEHDI, GUSTAVO HENRIQUE DENZIN TONOLI and FATEMEH DABBAGH, Lignocellulose-polyethylene composite: influence of delignification, filler content and filler type	341-346
F. M. L. SOUZA, C. A. SANSÍGOLO, C. H. PUPO and G. C. SEREGHETTI, Wood and pulping properties of <i>Eucalyptus urophylla</i> and its hybrid grown by silvopastoral and conventional forest production models	347-353
GAO SHANSHAN, SONG XIAOMING, WANG JIANHUA, YU SHITAO, CHEN FUSHAN and SUN XINYU, Structure, mechanical properties and antimicrobial activity of nano-ZnO/cellulose composite films	355-361
ANKITA HAZARIKA and TARUN K. MAJI, Properties of wood polymer nanocomposites impregnated with melamine formaldehyde-furfuryl alcohol copolymer and nanoclay	363-377

IMENE DERROUCHE, IMED BEN MARZOUG, FAOUZI SAKLI AND SADOK
ROUDESLI, Synthesis and characterization of functionalized zeolite reinforced lignocellulosic
date palm fibers379-385