

CELLULOSE CHEMISTRY AND TECHNOLOGY

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

48 ♦ 2014

7-8 ♦ JULY -
AUGUST

C O N T E N T S

IULIANA SPIRIDON, I. Natural fiber-polyolefin composites. Mini-review.....	599-611
MIKHAIL L. RABINOVICH, Lignin by-products of soviet hydrolysis industry: resources, characteristics, and utilization as a fuel.....	613-631
MARÍA ELENA RAMOS CASSELLIS, MARÍA ELENA SÁNCHEZ PARDO, MARLON ROJAS LÓPEZ and ROSALVA MORA ESCOBEDO, Structural, physicochemical and functional properties of industrial residues of pineapple (<i>Ananas comosus</i>).....	633-641
N. E. KOTELNIKOVA, Yu. V. BYKHOVTSOVA, A. M. MIKHAILIDI, M. V. MOKEEV, N. N. SAPRYKINA, V. K. LAVRENT'EV and E. N. VLASOVA, Solubility of lignocellulose in N,N-dimethylacetamide/lithium chloride. WAXS, ¹³ C CP/MAS NMR, FTIR and SEM studies of samples regenerated from the solutions	643-651
YUE SHEN, LIN DAI, MING-FEI LI, JING HE, BO WANG and RUN-CANG SUN, Synthesis and comparison of graft copolymers using methacrylic monomers and cellulose <i>via</i> ATRP.....	653-660
UTTAM C. PAUL, AVINASH P. MANIAN, BARBORA ŠIROKÁ and THOMAS BECHTOLD, Quantification of polysaccharide contents with the chemical oxygen demand index (COD).....	661-664
MIHAI BREBU, JALE YANIK, TUGCE UYSAL and CORNELIA VASILE, Thermal and catalytic degradation of grape seeds/polyethylene waste mixture.....	665-674
HAO REN and SHIGETOSHI OMORI, Comparison of isolated hemicelluloses from soda cooking black liquor, with commercial and bacterial xylan.....	675-681
FRANTIŠEK POTŮČEK, BIJAY GURUNG and KATEŘINA HÁJKOVÁ, Soda pulping of rapeseed straw.....	683-691
M. KOWALSKA and E. RAMOS, Optimization of TCF single-stage bleaching of abaca soda pulp with a mixture of peracetic acid and sodium perborate.....	693-702

- RUMYANA BOEVA and GRETA RADEVA, Kinetic analysis of the effect of bleaching and temperature increase on the ageing of a chemical-mechanical pulp derived from poplar wood.....703-711
- JUHA FISKARI, MIIKKA SAVELA, KYÖSTI RUUTTUNEN, VILLE ALI-REKOLA, PETRI KILPELÄINEN and HERBERT SIXTA, Short TCF sequences in the bleaching of *Eucalyptus camaldulensis* pulp. A comparative study.....713-716
- I. A. GANAIE, V. K. KUKREJA, N. PARUMASUR, P. SINGH and F. POTŮČEK, Comparative study of axial dispersion model using cubic Hermite collocation method for linear and nonlinear adsorption isotherms.....717-726
- Š. ŠUTÝ, M. BOTKOVÁ, L. KUČERKOVÁ, R. TIŇO, M. JABLONSKÝ and M. VRŠKA, Adsorption kinetics of cationic surfactant onto pulp fibres.....727-733
- A. EBRAHIMIAN, E. SABERIKHAH, M. S. EMAMI and M. SOTUDEH, Study of biosorption parameters: isotherm, kinetics and thermodynamics of basic blue 9 biosorption onto foumanat tea waste.....735-743
- ZHAOHONG WANG, QIANG ZHAO, XIAOJUAN JIN, DEZHI SUN, TONGTONG JIANG, TINGTING YOU and KUN YANG, Study on Fenton oxidation promoted by ultrasound irradiation for pulping and papermaking wastewater.....745-752
- GÖKHAN ERKAN, MERIH SARIŞIK and NURDAN KAŞIKARA PAZARLIOĞLU, Antifungal cotton fabric *via* molecular encapsulation of terbinafine.....753-760