

CELLULOSE CHEMISTRY AND TECHNOLOGY

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

46 ♦ 2012

1-2 ♦ JANUARY -
FEBRUARY

C O N T E N T S

- A. ULINIUC, M. POPA, T. HAMAIDE and M. DOBROMIR, New approaches in hydrogel synthesis – click chemistry: A review.....1-11
- P. KRISHNAMACHARI, R. HASHAIKEH, M. CHIESA and K. R. M. GAD EL RAB, Effects of acid hydrolysis time on cellulose nanocrystals properties: Nanoindentation and thermogravimetric studies13-18
- CORINA CHEPTEA, V. ŞUNEL, MIHAELA HOLBAN, J. DESBRIERES, M. POPA and CĂTĂLINA LIONTE, Enhanced antipyretic activity of new 2,5-substituted 1,3,4-oxadiazoles encapsulated in alginate/gelatin particulated systems19-25
- NINA E. KOTELNIKOVA and ALEXANDRA M. MIKHAILIDI, Hydrate cellulose films and preparation of samples modified with nickel nano- and microparticles. II. Intercalation of nickel into hydrate cellulose films27-33
- ANCA COJOCARIU, LENUTA PORFIRE, CATALINA CHEABURU and CORNELIA VASILE, Chitosan/montmorillonite composites as matrices for prolonged delivery of some novel nitric oxide donor compounds based on theophylline and paracetamol.....35-43
- AHMAD ADLIE SHAMSURI, DZULKEFLY KUANG ABDULLAH and RUSLI DAIK, Fabrication of agar/biopolymer blend aerogels in ionic liquid and co-solvent mixture.....45-52
- D. TELI and JAVED SHEIKH, Grafting of bamboo rayon with acrylic acid and its effect on cationic dyeing53-59
- G. RADEVA, I. VALCHEV, S. PETRIN, E. VALCHEVA and P. TSEKOVA, Comparative kinetic analysis of enzyme hydrolysis of steam-exploded wheat straw.....61-67
- PETRA SKALKOVÁ, ALŽBETA ČÍŽOVÁ, DANIELA JOCHEC MOŠKOVÁ and IVICA

JANIGOVÁ, LDPE/glucuronoxylan blends: Preparation and study of thermal and mechanical properties	69-77
XIAO-JUAN JIN, ZHI-MING YU and YU WU, Preparation of activated carbon from lignin obtained by straw pulping by KOH and K ₂ CO ₃ chemical activation	79-85
ANCA ROXANA HAINAL, ADINA MIRELA CAPRARU, IRINA VOLF and VALENTIN I. POPA, Lignin as a carbon source for the cultivation of some <i>Rhodotorula</i> species	87-96
YUNXIA SHEN, XUEFEI ZHOU and XIUJUAN LU, TCF Bleaching of <i>EUCALYPTUS UROPHYLLA</i> × <i>EUCALYPTUS GRANDIS</i> LH107 oxygen-delignified kraft pulp – Partial Mg ²⁺ /Ca ²⁺ substitution for chelants in the chelation stage	97-103
A. ROSAL, C. VALLS, A. FERRER and A. RODRÍGUEZ, A neural fuzzy model applied to hydrogen peroxide bleaching of non-wood soda pulps.....	105-114
HAO REN and SHIGETOSHI OMORI, A higher brightening of mechanical pulps.....	115-120
G. GYANANATH and D. K. BALHAL, Removal of lead (II) from aqueous solutions by adsorption onto chitosan beads.....	121-124
MAJID KIAEI, HABIBOLLAH KHADEMI-ESLAM, AMIR HOOMAN HEMMASI and AHMAD SAMARIHA, Ring width, physical and mechanical properties of Eldar pine (Case study on Marzanabad site)	125-135
NAHED A. ABD EL-GHANY, Organosolv pulping of cotton linter. II. Effect of dioxane and anthraquinone on cotton linter properties	137-145