

CELLULOSE CHEMISTRY AND TECHNOLOGY

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

48 ♦ 2014

3-4 ♦ MARCH -
APRIL

C O N T E N T S

MÁRIA FIŠEROVÁ, ANNA ILLA and MARTA MAHOLÁNYIOVÁ, Non-destructive analysis of kraft pulp by NIR spectroscopy181-187

ANA KRAMAR, JOVANA MILANOVIĆ, MATEA KORICA, TANJA NIKOLIĆ, KOVILJKA ASANOVIĆ and MIRJANA KOSTIĆ, Influence of structural changes induced by oxidation and addition of silver ions on electrical properties of cotton yarn189-197

KAI HUANG, MINGZHENG ZHANG, GUANGZHI ZHANG, XUE JIANG and DAN HUANG, Acetylation modification of rice straw fiber and its thermal properties.....199-207

NEVIN ÇANKAYA and M. MÜRŞİT TEMÜZ, Monomer reactivity ratios of cellulose grafted with N-cyclohexylacrylamide and methyl methacrylate by atom transfer radical polymerization.....209-215

ZHONGHUA SUN and FUSHAN CHEN, Homogeneous grafting copolymerization of methyl-methacrylate onto cellulose using ammonium persulfate.....217-223

BŘETISLAV ČEŠEK, MILOSLAV MILICHOVSKÝ, JAN GOJNÝ and DAVID BŘÍZA, Thermo-responsive behaviour of cellulosic materials.....225-236

LIN DAI, YUE SHEN, DAN LI, SHU XIAO and JING HE, Cellulose-*graft*-poly(L-lactide) as a degradable drug-delivery system: synthesis, degradation and drug release.....237-245

CLAUDIU-AUGUSTIN GHIORGHITĂ, FLORIN BUCATARIU and ECATERINA STELA DRĂGAN, Loading and release of a model cationic dye onto/from chitosan/poly(acrylic acid) polyelectrolyte multilayers.....	247-253
MOHAMED AMMAR, RAMZI KHIARI, BESMA BERRIMA, MOHAMED NACEUR BELGACEM and ELIMAME ELALLOUI, Isolation and characterization of lignin from <i>Stipa tenacissima</i> L. and <i>Phoenix dactylifera</i>	255-263
ANDREEA I. PAG, DANA G. RADU, DAN DRĂGĂNESCU, MARCEL I. POPA and CECILIA SÎRGHIE, Flaxseed cake – a sustainable source of antioxidant and antibacterial extracts.....	265-273
XIAOLI GU, XU MA, LIXIAN LI, CHENG LIU, KANGHUA CHENG and ZHONGZHENG LI, Fast pyrolysis of poplar wood sawdust with La-containing SBA-15 catalyst by PY-GC/MS analysis ...	275-283
DHARM DUTT and ALOK KUMAR, Optimization of cellulase production under solid-state fermentation by <i>Aspergillus flavus</i> (AT-2) and <i>Aspergillus niger</i> (AT-3) and its impact on stickies and ink particle size of sorted office paper	285-298
TEEMU KINNARINEN, TUOMAS KOIRANEN, ANTTI HÄKKINEN and MARJATTA LOUHI-KULTANEN, Enzymatically hydrolyzed and agitated biomass suspensions: experimental determination of fiber size distributions and filtration characteristics	299-311
NAN XIE, NAN JIANG, MINGJIA ZHANG, WEI QI, RONGXIN SU and ZHIMIN HE, Effect of different pretreatment methods of corncob on bioethanol production and enzyme recovery.....	313-319
R. LI, J. CAI, L. ZHANG, S. NARESH and A.VARADA RAJULU, Properties of cellulose/turmeric powder green composite films	321-324
C. VASILE, R. N. DARIE, A. SDROBIȘ, G. PRICOPE, A. BAKLAVARIDIS, E. PÂSLARU, S. B. MUNTEANU and I. ZUBURTIKUDIS, Effectiveness of chitosan as antimicrobial agent in LDPE/CS composite films as poultry minced meat packaging materials.....	325-336
JOSÉ LUIZ WESTRUP, MARCOS MARQUES DA SILVA PAULA, ALEXANDRE GONÇALVES DAL-BÓ, ROBERTO BENAVIDES, CESAR AUGUSTO CALDART, JÚNIOR CARLOS CORONETTI, TIAGO ANDREI DOY and LUCIANO DA SILVA, Effect of chemical treatments on the properties of HDPE composites with <i>Luffa cylindrical</i> fiber.....	337-344
VALERII BARBASH, IRINA TREMBUS and VALENTINA SHEVCHENKO, Ammonia-sulfite-ethanol pulp from wheat straw	345-353
DANILA M. DE CARVALHO, ANTONIO PEREZ, JUAN C. GARCÍA, JORGE L. COLODETTE, FRANCISCO LÓPEZ and M. JESUS DIAZ, Ethanol-soda pulping of sugarcane bagasse and straw.....	355-364

GUSTAVO VENTORIM, ERICKA F. ALVES, LAIS S. PENNA and RAYMOND C. FRANCIS, Effect of S/G ratio on kraft pulping and ECF bleaching of some poplars and eucalyptus	365-373
WARANYOU SRIDACH and RUETHAMRONG PALADSONGKHRAM, Improvement of hardwood kraft paper with narrow-leaved cattail fiber, cationic starch and ASA.....	375-383
SOFIA PAPADAKI, MAGDALINI KROKIDA, DIMITRIOS ECONOMIDES and EMMANUEL KOUKIOS, Dyeing of chemical pulp with natural dyes	385-393
Press release.....	395