

NWBC 2014 POSTERS

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1	LignoFibre (LGF) organosolv process - a flexible biorefinery concept for lignocellulosics	Heli Kangas, VTT
2	Sustainability fingerprint for emerging value chains of bioeconomy	Maija Aho , Gaia Consulting, Finland
3	Deconstruction of lignocellulose to carbohydrates and their derivatives in ionic liquid media	Sari Hyvärinen, Åbo Akademi
5	Selective isolation of technical lignin with specific structure and properties from the industrial side-streams by ultrafiltration	Olena Sevastyanova, KTH
6	Bioconversion of sorghum straw, an agro residue into ethanol by a mutant strain (OVP5) of <i>Pichia stipitis</i> NCIM 3498	Vimala Rodhe, Hyderabad India
7	AVAP (SO ₂ -ethanol-water) fractionation of annual plants	Xiang You, Aalto University
8	Development and evaluation of a novel method for lignocellulosic ethanol production: Simultaneous saccharification filtration and fermentation (SSFF)	Mofoluwake Ishola, Borås University
9	Effect of pretreatment and particle size on the fractionation of birchwood in 1-ethyl-3-methylimidazolium acetate	Yibo Ma, Aalto University
10	Polyesters and composites based on birch suberin	Dongfang Li, KTH, Polymertech.
11	High yield fractionation of wood components by neutral sulphite treatment	Saara Hanhikoski, VTT
12	Improving the competitiveness of lignin-recovery technology: techno-economic analyses and process-development work	Paterson McKeough, Andritz
14	A novel natural hydrophobisation technology utilising birch bark extractives	Thomas Holmbom, Åbo Akademi
15	BioSCWG - Biomass supercritical water gasification integration with CHP units - Definition of novel social & political constraints for enlarged multi-objective optimization	Thomas Kohl, Aalto Uni
16	Preparation of suberin fatty acids in pilot scale and its applications	Pauliina Pitkänen, VTT
17	Extraction of lignin from kraft black liquor by membrane filtration	Anders Arkell, Lund Uni
18	A physicochemical model for hot water extraction of softwood	Waqar Ahmad, Aalto Uni
19	Comparative study on concentrated sulfuric acid hydrolysis for lignocellulosic biomass conversion for high sugar concentration	Chang Soo Kim, Korea Institute of Science and Technology
20	Pinosylvin and its derivatives in Latvian pine	Maris Lauberts, Latvian State Institute of Wood Chemistry
21	Bio-based aromates from monoterpenes: Selective aromatizations with zeolites and in catalyst-free reaction conditions	Martta Asikainen, VTT
22	The effect of fenton chemistry on the production of microfibrillated cellulose - Characterization and paper board application	Pia Hellström, Akzo Nobel, Karlstad Uni
23	Overexpression of wood-rotting basidiomycetes potential for application in lignocellulose biorefinery	Vladimir Elisashvili, Agricultural Uni of Georgia
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25	Acetylation of wood polysaccharides aiming to thermoplastic composite materials: effect of hemicelluloses content	Miguel Pereira, Uni Concepcion, Uni Concepcion
26	The effect of ionic liquids on GH10 and GH11 xylanases	Anbarasan Sasikala, Aalto Uni
27	Determination of lignin molecular weight distribution using SEC-MALLS with THF as eluent	Alain Gagné, FPInnovations
28	Intensification of high-consistency hydrolysis via examination and optimization of hydrodynamics	Petri Tervasmäki, Oulu Uni
29	The bark biorefinery: recovery and valorization of starch, pectins and cellulose nanocrystals isolated from spruce bark to be applied in nanocomposites	Myriam Le Normand, KTH
30	Extractive-based losses from pulp mill bark during storage	Hanna Lappi, Finnish Forest Research Institute, Kannus
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35	Crystallization of sodium organic salts from partially wet oxidized black liquor	Karhan Özdenkci, Aalto Uni
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45	Lignin as phenol replacement in phenol-formaldehyde polymers	Miao Wang, Innventia
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63	Integrated conversion of lignocellulosic biomass as energy and chemical resources in a Biorefinery concept: high value polyphenolic bio-active molecules extraction prior to gasification/methanation	Frédérique Bertaud, Centre Technique du Papier (CTP), Grenoble, France