EPNOE 2013 Conference

PROGRAMME

Pre-conference course

Challenges and perspectives in making materials from polysaccharides

20 October 2013, Nice, France

EPNOE 2013 Conference

Polysaccharides and polysaccharide-derived products, from basic science to applications

21-24 October 2013, Nice, France

Registration

Sunday, 20 October 2013, 15.00-18.00
All other days 8.00-16.00

Nice Acropolis Convention and Exhibition Center, 1 Esplanade Kennedy, 06300 Nice

For participants to the Pre-conference course, the registration will take place before the course, from 9am to 9:30am on Sunday

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Pre-conference course

Sunday, October 20th, 2013

Nice Acropolis Convention and Exhibition Center, 1 Esplanade Kennedy, 06300 Nice

Organizer: Tatiana Budtova

09.00-09.30	Registration (for the participants of the Pre-conference course)	
09.30-10.00	Polysaccharides, nature's inexhaustible resource for variation	Jan van Dam
10.00-10.40	Making biomaterials from polysaccharides	Didier Letourneur
10.40-11.20	Chitin and chitosan for biomedical applications	Jacques Desbrieres
11.20-11.30	Break	
11.30-12.10	Cellulose fibre reinforced polymer composites	Johannes Ganster
12.10-12.50	Man-made cellulose fibres	Josef Innerlohinger
12.50-14.00	Lunch	
14.00-14.40	Nanocelluloses	Akira Isogai
14.40-15.20	Polysaccharide aerogels	Tatiana Budtova
15.20-15.30	Break	
15.30-16.10	Thermoplastic polysaccharides	Yoshiyuki Nishio
16.10-16.50	Starch based bioplastics	Luigi Capuzzi

Monday, October 21st, 2013

Nice Acropolis Convention and Exhibition Center, 1 Esplanade Kennedy, 06300 Nice

	Amphitheatre ATHENA			Conference room 1 (MUSES)		
09.00-09.20	Opening Ceremony (Amphitheatre ATHENA)					
09.20-10.05	SG-01	Novel cellulose materials and processing routes	Fink Hans-Peter			
10.05-10.50	SG-02	Synthesis and modification of activated cellulose derivatives: an efficient approach to unconventional and highly-engineered products	Heinze Thomas			
10.50-11.10	Break					
Chairperson	Ganster Johannes			Redouane Borsali		
11.10-11.30	O-1	All-cellulose nanocomposites	Duchemin Benoît	O-5	Novel polysaccharide architectures: Chain compaction and self-branching	Christensen Bjørn
11.30-11.50	O-2	All-cellulose composites generated by partial oxidation and crosslinking	Codou Amandine	O-6	Modeling progression of fluorescent probes in bioinspired lignocellulosic assemblies	Paës Gabriel
11.50-12.10	O-3	Surface characterization of bio-based films from sisal cellulose and its esters via FE-SEM, µ-XPS and ToF-SIMS	Manzolli Rodrigues Bruno	O-7	Polysaccharide gel point determination thanks to microrheology	Ramsch Roland
12.10-12.30	O-4	All-cellulose composites based on enzyme surface treated cotton textile pre-forms	Grozdanov Anita	O-8	Insights into the nanostructure of low-methoxyl pectin-calcium gels	Ventura Irit
12.30-13.30	Lunch					
Chairperson	Patrick Navard					
13.30-14.10	PL-01	Advanced fibers, films, and smart materials based on cellulose and related polysaccharides	Nishio Yoshiyuki			
14.10-14.15	Sponsor time					
Chairperson	Spirk Stefan			Girones Jordi		
14.15-14.35	O-17	Aeropectin, a new promising thermal insulating material	Budtova Tatiana	O-21	Benchmarking classical force fields for atomistic computer simulations of cellobiose in the solid phase	Wohlert Jakob
14.35-14.55	O-18	Modifying native nanocellulose aerogels with carbon nanotubes for mechanoresponsive conductivity and pressure sensing	Wang Miao	O-22	Structural properties of hyperbranched α-glucans obtained in vitro using a new enzymatic cocktail	Rolland-Sabate Agnes
14.55-15.15	O-19	Cellulose-silica hybrid aerogels	Demilecamps Arnaud	O-23	Chain conformation of triple helical b-glucan and the potential biomedical applications	Xu Xiaojuan

Monday, October 21st, 2013						
Nice Acropolis Convention and Exhibition Center, 1 Esplanade Kennedy, 06300 Nice						
	Conference room 2 (MUSES)			Conference room 3 (MUSES)		
09.00-09.20	Opening Ceremony (Amphitheatre ATHENA)					
09.20-10.05						
10.05-10.50						
10.50-11.10	Break					
Chairperson	Jane Jay-Lin			Barbucci Rolando		
11.10-11.30	O-9	From the use of reactive surfactants based on dextran to control nanocapsules morphology	Nouvel Cécile	O-13	Extraction of polysaccharides from the fruiting bodies of Tricholoma Matsutake L. and their antitumor activities	Dechang Xu
11.30-11.50	O-10	Structure-function of arabinogalactan-proteins from Acacia gum	Sanchez Christian	O-14	Prebiotic activity of phosphorylated resistant corn starch	Haryadi Hary
11.50-12.10	O-11	Polymer-oligosaccharide architectures: Determining their complexation features against bioactive molecules	Tripp Sandra	O-15	Sulfation pattern of fucose branches effect on the anti-hyperlipidemic activities of fucosylated chondroitin sulfate	Chen Shi-Guo
12.10-12.30	O-12	An influence of polysaccharides from edible mushrooms for a differentiation of monocytes toward macrophages	Minato Ken-Ichiro	O-16	Chemical modifications, glycochemistry, antitumour activity of adduct of bacterial lectine and 5-substituted uracile	Welchinskaya Elena
12.30-13.30	Lunch					
Chairperson						
13.30-14.10						
14.10-14.15						
Chairperson	Bulone Vincent			Desbrières Jacques		
14.15-14.35	O-25	Biochemical and Structural Characterization of two Acacia gum species: Acacia Senegal and Acacia Seyal	Lopez-Torrez Lizeth	O-29	The inhibition mechanism of human hepatoma HepG2 cells proliferation by Pinus koraiensis Pine cone crude polysaccharides	Cui Jie, Ma Ying, Li Junliang, Yang Xin
14.35-14.55	O-26	Insights into the structure and function of a lytic polysaccharide monooxygenase by NMR spectroscopy	Aachmann Finn	O-30	Synthesis and characterization of biodegradable interpenetrating polymer networks hydrogels of Carboxymethyl Guar gum and polyacrylamide and its applications in drug delivery system using the ciprofloxacin hydrochloride drug	Warkar Sudhir
14.55-15.15	O-27	Functional reconstitution of cellulose synthase in Escherichia coli	Imai Tomoya	O-31	Nanohydrogels based on modified-polysaccharides for drug delivery applications	Matricardi Pietro

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	Amphitheatre ATHENA			Conference room 1 (MUSES)		
15.15-15.35	O-20	Novel aerogels from hemicellulosic polysaccharides reinforced with nanofibrillated cellulose	Ghafar Abdul	O-24	Versatile surface hydrophobization of nanocellulose aerogels by gas-phase reaction	Fumagalli Matthieu
15.35-15.55	Break					
Chairperson	Habibi Youssef			Eichhorn Stephen		
15.55-16.25	I-01	Bioplastics and 3rd generation biorefineries : opportunities and new developments	Capuzzi Luigi	K-01	Analysis of G-block distributions and their impact on gel properties of native and in vitro epimerized mannuronan suggest that alginate gels can be viewed as a nanocomposite	Skjåk-Bræk Gudmund
16.25-16.45	O-33	Tunable Aerocellulose morphology by cellulose cross-linking	Rudaz Cyrielle	O-40	Influence of charge effects on the ultrafiltration of sulfated polysaccharides	Delcroix Camille
16.45-17.05	O-34	Orientation correlation and birefringence in cellulose ester/aromatic additive blends	Nobukawa Shogo	O-41	Physical-chemical and mechanical properties of carboxymethylchitosan membranes: Effects of molecular weight and crosslinking degree	Campana-Filho Sergio
17.05-17.25	O-35	Tailoring the morphology of PLA/PBAT/PA ternary blends	Peuvrel-Disdier Edith	O-42	Investigate sorption and desorption phenomenon on cellulose based fruit fibers	Agarwal Deepa, Tim Foster
17.25-17.45	O-36	Lignin-polyethylene blends - simultaneously improved stiffness, strength, and toughness through tailored morphology	Erdmann Jens	O-43	Confined cellulose-water interfaces - insights from atomistic computer models	Bergenstråhle-Wohlert Malin
17.45-18.05	O-37	Elaboration of cellulose-based electron-conducting composite films: from full-organic to hybrid formulations	Beneventi Davide, Chaussy Didier	O-44	Understanding the water sensitivity of cellulose - Route for effective barrier solutions	Gestranius Marie
18.05-18.25	O-38	Creation of doughnut-shaped particle, nanofiber, and thermoplastics made from euglenoid β-1,3-glucan	Shibakami Motonari	O-45	Water vapor barrier and antifouling coatings from functional polysaccharide multilayer built-up	Mohan Tamilselvan, Kargl Rupert
18,25-18,45	O-39			O-46		
18.45	END					

Monday, October 21st, 2013						
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	Conference room 2 (MUSES)			Conference room 3 (MUSES)		
15.15-15.35	O-28	Effect of controlled freezing-point storage on the changes in cell wall pectic polysaccharides of green bean (Phaseolus vulgaris L.)	He Shudong, Guo Li, Walid Elfalleh, Ma Ying	O-32	Biocompatible hydroxyethyl starch nanocapsules for targeted drug delivery	Kang Biao
15.35-15.55	Break					
Chairperson	Skjak-Braek Gudmund			Six Jean Luc		
15.55-16.25	K-02	Processing lignocellulosic material in ionic liquids	Sixta Herbert	K-03	Polysaccharide Scaffolds for Tissue Engineering	Letourneur Didier
16.25-16.45	O-47	Ionic liquid/co-solvent mixtures: tailored reaction media for homogeneous tosylation of cellulose	Gericke Martin	O-54	Lentinan, β-1,3;1,6-glucan, exerts intestinal anti-inflammatory activity through Dectin-1	Mizuno Masasi
16.45-17.05	O-48	Chemical modification of polysaccharides in ionic liquids thanks to direct fine-tuned sulfation reaction relevant for GAG-like strategy	Chopin Nathalie	O-55	Thermo- and pH-sensitive interpenetrating poly(N-isopropylacrylamide)/carboxymethyl pullulan network with enhanced loading capacity and controlled release properties	Asmarandei Ionela
17.05-17.25	O-49	Dissolution of wood cellulose pulp in ionic liquids studied by optical microscopy	Parviainen Helena	O-56	Antimicrobial films and coatings based on chitosan	Van Den Broek Lambertus
17.25-17.45	O-50	Biosynthesis of an exopolysaccharide by the marine bacterium Vibrio diabolicus	Delbarre-Ladrat Christine	O-57	Chitin-based barrier immunity in chordate guts	Keisuke Nakashima
17.45-18.05	O-51			O-58	Bioactivity and enzymatic biodegradability of C-6 oxidized chitosan	Pierre Guillaume
18.05-18.25	O-52			O-59	The constituent of Potentilla Anserina l. Polysaccharides and its antibacterial activities	Xiaoxi Ji, Huibo Hao, Ma Ying
18.25-18.45	O-53			O-60	The in vivo isolation of chitosan by cells in the peritoneal cavity	Brodaczewska Klaudia
18.45	END					

Tuesday, October 22nd, 2013

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	Amphitheatre ATHENA			Conference room 1 (MUSES)		
Chairperson	Patrick Navard					
08.00-08.40	PL-02	Structurally complex subunits within dietary fiber arabinoxylan drive specificity of colonic bacteria	Hamaker Bruce			
08.40-08.50	Sponsor time					
Chairperson	Isogai Akira			Budtova Tatiana		
08.50-09.10	O-61	Characteristic features of nanocellulose films	Tammelin Tekla	O-65	Influence of the extraction time on macromolecular parameters of galactomannans	Silveira Joana
09.10-09.30	O-62	Preparation of nanocellulose from Tunisian marine biomass	Bettaieb Fédia	O-66	Microfluidics assisted generation of innovative polysaccharides hydrogel microparticles	Denis Renard
09.30-09.50	O-63	Specific water uptake of thin films from nanofibrillar cellulose	Kontturi Katri	O-67	The use of pullulan and 6-carboxyl pullulan for the silver nanoparticles formation	Coseri Sergiu
09.50-10.10	O-64			O-68	AF4-analysis of nano- and micro-structures of precipitates from colloidal suspension from various native starches	Juna Shazia
10.10-10.30	Break					
Chairperson	van Dam Jan			Coseri Sergiu		
10.30-11.00	I-02	Man-made lignocellulosic fibers - New approaches using tailor made ionic liquids	Lehmann André	I-03	From Cellulose to Carbon to Applications	Eichhorn Stephen
11.00-11.20	O-77	Polysaccharide-based magnetic materials	Hribernik Silvo	O-81	Thiocyanate-Urea a powerful non-alkaline swelling agent for cellulose fibres	Thomas Bechtold
11.20-11.40	O-78	Epoxidized linseed oil : a biosourced alternative to elaborate bisphenol A free thermosets	Mija Alice	O-82	Three-dimensional biofabrication on nematic ordered cellulose templates	Kondo Tetsuo
11.40-12.00	O-79	Biodegradable binary and ternary compositions based on natural and synthetic polymers: preparation, structure, properties	Aleksanyan Kristine	O-83	The effect of coagulant polarity on the molecular conformation of cellulose gel studied by 13C CP-MAS NMR	Isobe Noriyuki
12.00-12.20	O-80	Composite systems based on cellulose: preparation, structure and properties	Makarov Igor	O-84	Study of the effect of Murray Red Gum Tree age on chemical components and cellulose degree of polymerization	Kabiri Ehsan
12.20-13.20	Lunch					
12.50-13.50	Paper Writing Course		Hurp Wendy			
Chairperson				de Jong Ed		
13.20-13.50				I-04	Advanced materials constructed directly from chitin solution in NaOH/Urea aqueous system	Lu Ang

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	Conference room 2 (MUSES)			Conference room 3 (MUSES)		
Chairperson						
08.00-08.40						
08.40-08.50						
Chairperson	Boeriu Carmen			Stana-Kleinschek Karin		
08.50-09.10	O-69	Developing pretreatment technologies for oil palm biomass biorefineries	Bakker Robert	O-73	Starch-based extruded tubes for biomedical applications	Chaunier Laurent
09.10-09.30	O-70	Ca2+ driven association of biohybrid polymers featuring (1->4)-α-L-guluronan graft chains	Wolnik Anna	O-74	Novel structures and bioactivities of polysaccharides isolated from mycelial fermentation broth of a precious medicinal fungus Cordyceps sinensis	Wu Jian-Yong
09.30-09.50	O-71	Amination and sulfidation of chloroacetylated cellulose through reactive dissolution in dimethylformamide	R. Labafzadeh Sara	O-75	Improving the biocompatibility of PET surfaces by adsorbing Mannans and Mannan derivatives	Doliška Aleš
09.50-10.10	O-72	Optimization of aqueous extraction of gum from Grewia mollis powder using contour plot methodology	Panyoo Emmanuel	O-76	Partial characterization and in vitro antioxidant activity of cell wall polysaccharides leaves of Stevia rebaudiana (Bert)	Francine Mediesse
10.10-10.30	Break					
Chairperson	Fardim Pedro			Edgar Kevin		
10.30-11.00	K-04	Novel ASA-type paper sizing agents based on renewable resources: from model experiments over lab trials to paper machine and large-scale production	Rosenau Thomas	K-05	Bioactive nanocellulose as a sensor for human neutrophil elastase	Edwards J. Vincent
11.00-11.20	O-85	Epoxydized linseed oil and star-epoxy mesogen to design multi-scales thermoset architecture	Pin Jean-Mathieu	O-89	Can polysaccharides promote antioxidants efficacy?	Leoty-Okombi Sabrina
11.20-11.40	O-86	Enzymatic oxidation of galactomannans from Cyamopsis tetragonolobus by a fungal laccase	Galante Yves, Lavazza Martina, Formantici Cristina, Monti Daniela	O-90	Immunogenicity death: A novel target of peptidoglycan from L.paracasei subp. paracasei X12 in colon cancer HT-29 cells	Shan Yujuan
11.40-12.00	O-87	Dendronization of cellulose and subsequent coating via Reel-to-Reel-Process	Schöbitz Michael	O-91	Polysaccharide induces apoptosis in K562 cells through a ROS mediated caspase mitochondrial pathway	Song Wei
12.00-12.20	O-88	Modification of polysaccharides by nitroxide-mediated polymerization	Lefay Catherine	O-92	Polysaccharide-based nanomaterials from controlled polyelectrolyte complexation as drug delivery systems	Costalat Marie
12.20-13.20	Lunch					
Chairperson	Rosenau Thomas			Ek Monika		
13.20-13.50	K-06	Advanced wound dressing materials – safe antimicrobial activity and controlled drug release	Stana-Kleinschek Karin	K-07	Design of Polysaccharide Derivatives for Biomedical Applications	Edgar Kevin

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	Amphitheatre ATHENA			Conference room 1 (MUSES)		
Chairperson	Murphy Sheila					
13.50-14.10	O-93	A methodology for evaluating the influence of miscanthus variety on the properties of polypropylene-based composites	Girones Jordi	O-98	Choline-derived ILs analogues as tool for the fabrication of agar bio-films	Sousa Ana M. M.
14.10-14.30	O-94	Fiber functionalisation: key concepts for upgrading pulp fibres for new value chains	Fardim Pedro	O-99	Preparation of optically chiral silica monolith by imprinting cholesteric architecture of liquid-crystalline polysaccharide phenylcarbamate derivatives	Sato Junichi
14.30-14.50	O-95	Modification and characterization of the interface in natural fibres reinforced thermoplastic composites	Le Moigne Nicolas	O-100	Structure property relationships of enzyme treated carrot cell suspensions	Sankaran Ashwin
14.50-15.10	O-96	Novel method for producing cellulose multifilament fibers from cellulose carbamate on a pilot-scale	Zhou Jinping	O-101	Acetylation of wood polysaccharides aiming to thermoplastic composite materials: Effect of hemicelluloses content	Peredo Karol
15.10-15.30	O-97			O-102	Effect of flaxseed gum on the pasting, thermal and rheological properties of rice starch	Hussain Shahzad
15.30-15.50	Break					
Chairperson	Fink Hans-Peter			Nishio Yoshiyuki		
15.50-16.10	O-113	Cellulose based materials from trimethylsilyl cellulose	Spirk Stefan	O-119	Exopolysaccharides from the green microalga Botryococcus braunii: physico-chemical and biotechnological studies	Díaz Bayona Kenny
16.10-16.30	O-114	Chemically modified Alternan - rheological characterization and potential applications	Thiele Tobias	O-120	New thermokinetic investigations on reversible temperature-induced phase transition of cellulose Iβ	Guigo Nathanael
16.30-16.50	O-115	Wood adhesives from bio-based polymers	Norström Emelie	O-121	Does aquaculture of Mastocarpus stellatus in an IMTA impact on the chemical and rheological properties of extracted carrageenans?	Hilliou Loic
16.50-17.10	O-116	High pressure compression molding of pure cellulose as a potential way towards the production of biomaterials : pressure-volume-temperature behaviour, mechanical properties, microstructure changes and operating conditions study.	Pintiaux Thibaud	O-122	Use of xylans on polyelectrolytes complexes: model surface study on the effect of charge ratios on structural and adsorption behaviour	Peresin Maria
17.10-17.30	O-117	Micromechanics of bacterial cellulose composites under high pressures.	Lopez-Sanchez Patricia	O-123	Polyelectrolyte brushes grafted from cellulose nanocrystals using cu-mediated surface-initiated controlled radical polymerization	Majoinen Johanna
17.30-17.50	O-118	Novel wood polysaccharide based materials	Setälä Harri	O-124	The use of Networked Cellulose to control the swelling behavior of Poly (vinyl) Alcohol	Anis Shaheen
17.50	END					

19.30	Gala Dinner, Palais de la Mediteranee/ Hyatt Regency Nice, 15 Promenade des Anglais, 06300 Nice

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	Conference room 2 (MUSES)			Conference room 3 (MUSES)		
Chairperson						
13.50-14.10	O-103	Synthesis and characterization of hydrophobically modified Xanthan	Roy Audrey	O-108	Chitin nanofillers: a major breakthrough for chitin applications	Salaberria Asier
14.10-14.30	O-104	Physicochemical properties of Tarap (Artocarpus adoratisimus) starch	Mamat Hasmadi	O-109	Chitosan-modified nanofibrous polyacrylonitrile membranes tailored for acetylcholinesterase immobilization	Stoilova Olya
14.30-14.50	O-105	Synthesis routes to glycosaminoglycanes with defined substitution degrees and substitution patterns	Schnabelrauch Matthias	O-110	Microwave-assisted chemical modification of chitosan. Towards a "green chemistry" of chitosan derivatives	Desbrieres Jacques
14.50-15.10	O-106	Dextran-based artificial receptors enhance protein uptake and MHC-restricted antigen presentation	Li Cuicui	O-111	Formulation of chitosan to improve its adhesive properties. Application to agro-material bonding	Mati-Baouche Narimane
15.10-15.30	O-107	Preparation of oligosaccharides from beech wood xylans for the design of new bio-based copolymers	Chemin Maud	O-112	Development of nanostructured biomaterials: Chitosan nanoparticles generation by CO2 assisted processes	Hijazi Nibal
15.30-15.50	Break					
Chairperson	Huber Anton			Heinze Thomas		
15.50-16.10	O-125	Carbohydrate composition of compost during composting and mycelium growth of Agaricus bisporus	Jurak Edita	O-131	Surface modification of microfibrillated cellulose for bio-based polyamide composites	Leszczyńska Agnieszka
16.10-16.30	O-126	Characterization of water soluble polysaccharide (wsp) from rice bran and finger millet	Palani Ayyappan	O-132	Preparation and characterization of cellulose nanofibrils grafted with poly(ethylene glycol)	Tang Hu, Zhou Qi
16.30-16.50	O-127	Synthesis and characterisation of allyl- and epoxy-starch derivatives	Boeriu Carmen	O-133	Strong and robust nanofibrillated cellulose films as a platform for functional materials	Österberg Monika
16.50-17.10	O-128	A versatile method for the reliable determination of polysaccharides (inulin, polyfructans, starch) as non-structural carbohydrates (nsc) in plant samples.	Raessler Michael	O-134	Emulsion-stabilizing effect of cellulose nanowhiskers esterified by vinyl esters	Sèbe Gilles
17.10-17.30	O-129	Novel and universal method for the synthesis of amorphous nanoparticles from three different polysaccharides	Ayadi Farouk	O-135	Cellulose nanocrystals (CNCs) as a functional entity for the fabrication of membranes for water purification: Effect of processing method on the mechanical stability and adsorption of contaminants	Karim Zoheb
17.30-17.50	O-130	Product distribution from biomass pyrolysis using fixed bed Pyrolyzer	Parikh Jigisha	O-136		
17.50	END					

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	Amphitheatre ATHENA			Conference room 1 (MUSES)		
Chairperson	Patrick Navard					
08.00-08.40	PL-03	New formulations of polysaccharide based hydrogels for drug release and tissue engineering	Barbucci Rolando			
08.40-08.45	Sponsor time					
Chairperson	Kargl Rupert			Bechtold Thomas		
08.45-09.05	O-137	Adsorption of metal ions by thermoresponsive chitosan/poly(NIPAAm-co-NMA) composite nanofibers	Huang Chih-Hao	O-141	Crystal transitions of (1→3)-β-D-glucan and (1→3)-β-D-xylan with hydration and dehydration	Kobayashi Kayoko
09.05-09.25	O-138	Shape memory starch-clay bionanocomposites	Leroy Eric	O-142	Characterization and in vivo anti-radiation activities of the Ulva pertusa polysaccharides and polysaccharide-iron(III) complex	Lu Weihong
09.25-09.45	O-139	Novel nanobiocomposite based on thermoplastic starch: preparation, characterization, and in vitro evaluation	Taherimehr Marzieh	O-143	The behaviour of different starches in N-methyl morpholine N-oxide water mixtures	Mitchell John
09.45-10.05	O-140	Evaluation of wood fibre/thermoplastic starch biocomposites: Physical and mechanical properties	Pesaran Haji Abbas Ehsan	O-144	Investigation of hierarchical organization of native cellulose by 2D NMR experiments	Heux Laurent
10.05-10.25	Break					
Chairperson	Gericke Martin			Hilliou Loic		
10.25-10.55	I-05	Properties & structure of functionalized citrus fibers obtained by high shear and alcohol treatments	Mazoyer Jacques	K-08	Sugar-based block copolymer self-assemblies: Ultra high resolution thin Films for opto- and bio-electronic devices	Borsali Redouane
10.55-11.15	O-153	Highly charged cellulose beads as a targeted drug delivery system	Trygg Jani	O-157	Flexibility and structure of polysaccharide hyaluronan solutions: a high frequency rheology and diffusing wave spectroscopy study	Oelschlaeger Claude, Cota Pinto Coelho Mariana, Willenbacher Norbert
11.15-11.35	O-154	Miscibility and dynamical properties of cellulose acetate / plasticizer system	Bao Congyu	O-158	Controlling crystallinity and porosity of coagulated cellulose films	Ostlund Asa
11.35-11.55	O-155	Composites from bio-based polyurethane reinforced with cellulose micro- and nanocrystals	Ramires Elaine	O-159	Scale-up of the pressurized hot-water flow-through system	Kilpeläinen Petri, Hautala Sanna

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	Conference room 2 (MUSES)			Conference room 3 (MUSES)		
Chairperson						
08.00-08.40						
08.40-08.45						
Chairperson	Bras Julien			Sebe Gilles		
08.45-09.05	O-145	Novel photoactive polysaccharide derivatives: From synthesis to advanced materials	Wondraczek Holger	O-149	Preparation and properties of cellulose nanocrystals prepared by oxidation with ammonium persulfate	Gray Derek
09.05-09.25	O-146	Effect of ageing on the characteristics of bacterial cellulose from Gluconacetobacter sucrofermentans CECT7291 to use it in degraded paper restoration	Santos Sara M., Carbajo Jose M.	O-150	In-situ SAXS characterization of starch nanocrystals and cellulose nanocrystals dispersions submitted to simultaneous ultrasonication, shear flow and pressure during cross-flow membrane separation processes	Pignon Frédéric
09.25-09.45	O-147	Towards the synthesis of cellulose ethers: Suzuki-Miyaura reaction	Goncalves Cédric	O-151	Acetylation of nanofibrillated cellulose after different drying procedures	Poljanšek Ida
09.45-10.05	O-148	Novel hydroxide solutions for cellulose dissolution at room temperature	Abe Mitsuru	O-152	Nanostructured bacterial cellulose based nanocomposites: preparation, characterization and applications	Freire Carmen
10.05-10.25	Break					
Chairperson	Guigo Nathanael			Wodke Thomas		
10.25-10.55	K-09	Biosynthesis of microfibrillar cell wall polysaccharides in plants, oomycetes and true fungi: a comparative analysis	Bulone Vincent	K-10	Applications of TEMPO-oxidized cellulose nanofibrils as gas-barrier films and bio-based composite materials	Isogai Akira
10.55-11.15	O-161	Alkaline catalysed depolymerisaton of cellulose and the production of Saccharinic Acidsa	Laws Andrew	O-165	Controlling the elastic modulus of nano-engineered hydrogels by crosslinking cellulose nanofibrils	Syverud Kristin
11.15-11.35	O-162	Characterization of the accessible hydroxyl groups in cellulose using Dynamic Vapour Sorption (DVS) techniques coupled with deuterium oxide exchange	Pönni Raili	O-166	Biochemical modification and functionalization of nanocellulose surfaces	Kokol Vanja
11.35-11.55	O-163	Activity in the cellobiose hydrolysis of the surface acid sites of tungstated zirconia catalysts	Auroux Aline	O-167	Unique viscoelastic behaviors of colloidal nanocrystalline cellulose aqueous suspensions	Lu Ang

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	Amphitheatre ATHENA			Conference room 1 (MUSES)		
11.55-12.15	O-156	The influence of polysaccharide complexes on protein creams quality	Sokolovska Iryna	O-160	Iodine complexes of chemically modified natural gum and their use as iodine-release systems	Mazumdar Nasreen, Ganie Showkat
12.15-13.15	Lunch					
Chairperson	Mazoyer Jacques			Hribernik Silvo		
13.15-13.45	K-11	Bio-based materials from lignocellulosic fibers and/or their main components	Frollini Elisabete	I-06	Polysaccharides as starting materials for 100% biobased polyesters	De Jong Ed
13.45-14.05	O-169	Development of cu nanoparticle loaded natural fibre reinforced nanocomposite	Ridzuan Ramli	O-177	Ultra-sensitive kinetic measurements of enzymatic hydrolysis of cellulose using surface pitting on nanofibrous matrix	Deguchi Shigeru
14.05-14.25	O-170	Thermal behavior and degradation studies of treated natural fibers and microcrystalline cellulose in composites with polyamide 6	De Melo Renato	O-178	Influences of saltwater immersion on properties of wood-cellulosic paper	Bunyaphiphat Tunchira
14.25-14.45	O-171	Thermoresponsive xylan hydrogels via copper-catalyzed azide-alkyne cycloaddition	Pahimanolis Nikolaos	O-179	Rheological properties of molten natural fiber-polymer composite: Cases of flax and Tencel	Abdennadher Ahmed, Budtova Tatiana, Vincent Michel
14.45-15.05	O-172	Application of cationic arabinoxylan as retention aid and strength additive in papermaking	Deutschle Alexander	O-180	Permanent stabilization of biodegradable PLA nanoparticles by a Dextran Shell	Six Jean-Luc
15.05-15.25	O-173	Substitution pattern in xylans: Chemo-Enzymatic and Chromatographic-Mass Spectrometric methods	Vilaplana Francisco	O-181	Impact of HPMCAS polymer properties on the in vitro performance of spray dried dispersions - a quality by design approach	Brackhagen Meinolf
15.25-15.45	O-174	Manufacturing of xylan enriched viscose fibres	Schild Gabriele	O-182	Swelling kinetics of functional Kenaf Graphene-hydrogel prepared using precooled solvent	Zakaria Sarani
15.45-16.05	O-175	Plant xyloglucan endotransglycosylases: catalytic properties and promising applications in materials science	Benyamino Romil	O-183	A kinetic model for wood pulping and polysaccharide production in an acid sulfite process	Rueda Cristina
16.05-16.25	O-176	Interactions between butylated xylan and cellulose - nano-scaled surface modification for effective barriers	Abburi Ramarao	O-184	Kraft and organosolv pulping of some Algerian wood waste (Zeen Oak, Aleppo Pine and Date Palm Rachis)	Haddadou Imane
16.25-18.25	Poster Session (+ break)					
18.25	END					

Wednesday, October 23rd, 2013

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	Conference room 2 (MUSES)			Conference room 3 (MUSES)		
11.55-12.15	O-164	Cellulose derivatives as the green reducing and stabilizing agent for the preparation of gold nanoparticles	Ruigang Liu	O-168	Nanofibrillated cellulose and its film originated from birch sawdust after sequential extractions of hemicelluloses and lignin	Liu Jun
12.15-13.15	Lunch					
Chairperson	Disdier Edith			Freire Carmen		
13.15-13.45	I-07	Products of thermal modification of starch for food and health	Kapusniak Janusz	I-08	Polysaccharides in new materials for hygromechanical performance - cellulose microfibrils and hemicelluloses	Berglund Lars
13.45-14.05	O-185	Elaboration of a new antibacterial bio-nano-material for food-packaging by synergetic action of cyclodextrine and microfibrillated cellulose	Lavoine Nathalie	O-193	Polymer additives influence on the reflection wavelength of iridescent nanocrystalline cellulose solid films	Bardet Raphael
14.05-14.25	O-186	Starch-based matrix blended with polycaprolactone: Modulation of properties for a food-packaging application	Alix Sébastien	O-194	Tailoring the luminescence of nanofibrillated cellulose (NFC) with carbon nanodots (CDs)	Junka Karoliina
14.25-14.45	O-187	From insoluble granules to cold-water soluble pyrodextrin: molecular, mesoscopic and microscopic changes of waxy maize starch during thermal decomposition	Shi Yong-Cheng	O-195	Cellulose nanocrystals interactions with hydrophobic interfaces for the elaboration of innovative materials	Cathala Bernard
14.45-15.05	O-188	Pressure-Volume-Temperature diagrams of gelatinized and no-gelatinized potato starch: effect of temperature, pressure and water content	Vaca-Medina Guadalupe	O-196	Highly stretchable polysaccharide nanocomposite microfibers from natural alginate	M. Toussi Setareh
15.05-15.25	O-189	Effect of polysaccharides on the stability of ice cream model systems	Cheng Jinju, Wang Lifeng, He Shenghua, Ma Ying	O-197	Modification of nanofibrillated cellulose by adsorption of dual-functional block copolymers	Carlmark Malkoch Anna
15.25-15.45	O-190	Investigation of the Oxidative Degradation of Cereal Beta-Glucan with Oligomer Model Systems	Boulos Samy	O-198	Rapidly healable, temporally stable and stiff hydrogels: combining conflicting properties using highly dynamic and selective three-component recognition with reinforcing cellulose nanorods	Mckee Jason
15.45-16.05	O-191	Application of microwaves for water solubilisation of spent coffee grounds carbohydrates	Passos Cláudia	O-199	Silylated nanofibrillated cellulose as building block for the elaboration of foams with tunable properties	Tingaut Philippe
16.05-16.25	O-192	Citrullus Lunatus- a novel structural ingredient for food systems	Jideani Victoria	O-200	Origin of chiral interactions in cellulose supra-molecular microfibrils	Khandelwal Mudrika
16.25-18.25	Poster Session (+ break)					
18.25	END					

Thursday, October 24th, 2013

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	Amphitheatre ATHENA			Conference room 1 (MUSES)		
Chairperson	Patrick Navard					
08.00-08.40	PL-04	Cell wall engineering in biomass feedstocks	Hofte Herman			
Chairperson	Rolland-Sabate Agnes			Osterberg Monika		
08.45-09.05	O-201	Flocculation efficiency of novel amphiphilic starch derivatives and their interaction with dissolved colloidal substances from paper recycling	Genest Sabine	O-205	Analysis of e.globulus wood, spent liquor, acid sulfite crude and bleached pulp hydrolysates from dissolving processing	Llano Tamara
09.05-09.25	O-202	Photoresponsive cellulose fibers by surface modification with multifunctional cellulose derivatives	Grigoray Olga	O-206	High-temperature pH measuring during hot-water extraction of hemicelluloses from wood - equipment setup, calibration and validation	Krogell Jens
09.25-09.45	O-203	Alkyne-functionalized cellulose fibers as versatile environment friendly precursors toward novel functional biomaterials	Fleury Etienne	O-207	Xylan from bleached kraft pulp - isolation, modification and properties of derivatives	Laine Christiane
09.45-10.05	O-204	Ethylene vinyl acetate rubber nanocomposites reinforced with acetylated cellulose nanofibers from oil palm empty fruit bunches (OPEFBs)	Fahma Farah	O-208	Structure and properties of composite fibers based on chitosan and chitin nanofibrils	Yudin Vladimir
10.05-10.25	Break					
Chairperson	Saake Bodo			Heux Laurent		
10.25-10.55	K-12	How green are biomass-based fuels and fibres? Considerations from a life cycle perspective	Gheewala Shabbir	K-13	What is new about xylan topochemistry?	Fardim Pedro
10.55-11.15	O-217	Carboxymethylation and hydroxypropylation of birch kraft pulp xylan induce internal plasticization to enable barrier film formation	Tenkanen Maija	O-222	Changes in structure of the biopolymer xylan during pulping and bleaching	Mozdyniewicz Danuta
11.15-11.35	O-218	Life cycle assesment for the development of new hemicelluloses production process	Mogni Assad	O-223	Structural characterization of lignocelluloses using x-ray scattering methods	Penttilä Paavo
11.35-11.55	O-219	Impacts of information technology on the use of paper in educational institutions: case study in Indonesia	Najib Mukhamad	O-224	Biomass for the future: towards new local, sustainable ligno-cellulosic biomass-based value chains in France	Hofte Herman
11.55-12.15	O-220	Improvement of the polyhydroxybutyrate production process by energy and mass integration into a polysaccharide biorefinery	Naranjo Javier, Cardona Carlos, Higuita Juan	O-225	COST Action (FP1105) "Wood CellNet": understanding wood cell wall structure, biopolymer interaction and composition: implications for current products and new material innovation.	Turner Philip
12.15-12.35	O-221			O-226	Introduction to COST Action FP1205 : innovative applications of regenerated wood cellulose fibres	Ostlund Asa
12.35-12.55	**Closing ceremony and awards (Amphitheatre ATHENA)**					
12.55	**END**					

Thursday, October 24th, 2013

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		Conference room 2 (MUSES)			Conference room 3 (MUSES)	
Chairperson						
08.00-08.40						
Chairperson	Edwards Vince			Le Moigne Nicolas		
08.45-09.05	O-209	Influence of exopolysaccharides and exopolysaccharide producing strains on rheology of cheese products at large deformation	Oosterveld Lex	O-213	Nanostructured control of matrix distribution in biocomposites based on nanofibrillated cellulose and polysaccharides	Prakobna Kasinee
09.05-09.25	O-210	Directed evolution, high throughput screening and production of alginate-modifying enzymes with new and targeted properties	Tøndervik Anne	O-214	Hydrophobic and tough composites of nanocellulose and synthetic layered silicate	Wu Chun-Nan
09.25-09.45	O-211	A sugar behaving like a protein: fully reversible tetramerisation of an aminocellulose as shown by analytical ultracentrifugation	Adams Gary	O-215	Preparation of TEMPO-oxidized nanocellulose-filled magnetic chitosan nanocomposite microspheres and applications in the lead(II) ions removal from aqueous solutions	Fu Shiyu
09.45-10.05	O-212	A specific structure in the pectin from prune recognizes fibronectin and affects on the expression level of polyamines in Caco-2 cells.	Yabe Tomio	O-216	Nanocomposites based on curaua nanowhiskers, high-density biopolyethylene and castor oil	Oliveira De Castro Daniele
10.05-10.25	Break					
Chairperson	Mitchell John			Lourdin Denis		
10.25-10.55	K-14	Effects of lipids and lipophilic modification on properties and enzymatic digestibility of starch	Jane Jay-Lin			
10.55-11.15	O-227	Biobleaching of orange tree pruning with xylanase and laccase-mediator systems	Fillat Ursula	O-232	Transition to reinforced state in bioinspired cellulose nanocrystal-reinforced composites	Rosilo Henna
11.15-11.35	O-228	Inulin reduces stevia off-taste	De Roode Matthew	O-233	Physical phenomena on functionalized cellulose nanocrystals forward the development of active materials	Espino Pérez Etzael
11.35-11.55	O-229	Statistical size distribution of gum resin and sulfate lignin particles in a strong water-alkaline solution	Bronnikov Sergei	O-234	Rheological study of reinforcement of agarose hydrogels by cellulose nanowhiskers	Le Goff Kevin Jacques
11.55-12.15	O-230			O-235	Biomimetic composites based on nanofibrillated cellulose and water-soluble polysaccharides	Lucenius Jessica
12.15-12.35	O-231			O-236	Interfacial design of nano-sized and nano-structured cellulose materials by chemical modification	Yokota Shingo
12.35-12.55	**Closing ceremony and awards (Amphitheatre ATHENA)**					
12.55	**END**					

Posters

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P-02	Asymmetric flow field flow fractionation (AF4) for determination of distribution and mean values of diffusive mobility (D_T)	Juna Shazia, Huber Anton
P-03	Microwave assisted preparation of aqueous starch suspensions	Juna Shazia, Hayden Stephan, Damm Markus, Kappe C. Oliver, Huber Anton
P-04	Ionic state and chain conformation of giant polysaccharides "Sacran"	Kawai Mika, Mitsumata Tetsu, Okajima Maiko, Kaneko Tatsuo
P-05	Structure and properties of cellulose nanofibre-based hydrogels	Žepič Vesna, Janković Biljana, Oven Primož, Poljanšek Ida
P-06	Influence of xanthan gum on oil-in-water emulsions characteristics stabilized by OSA starch	Krstonosic Veljko, Dokic Ljubica, Nikolic Ivana, Milanovic Maja
P-07	Interaction between sodium dodecyl sulfate or cetrimonium chloride and xanthan gum in aqueous solution	Milanovic Maja, Krstonosic Veljko, Dokic Ljubica, Nikolic Ivana
P-08	Influence of cellulose characteristics on its thermal degradation	Koundoul Abdou, Navard Patrick, Vincent Luc, Mija Alice
P-09	Crystallinity index and amorphous-crystal ratio of some cellulose samples	Navard Patrick, Boyer Séverine
P-10	Physico-chemical investigations of highly substituted, amphiphilic starch derivatives with focus on charge density, dynamic surface tension and intrinsic viscosity	Genest Sabine, Schwarz Simona, Petzold-Welcke Katrin, Heinze Thomas, Voit Brigitte
P-11	The chain length distribution and chain flexibility of bacterial polysaccharides	Dalheim Marianne Ø., Arnfinnsdottir Nina B., Widmalm Göran, Christensen Bjørn E.
P-12	Polyelectrolyte effect in aqueous solutions of oxidized pullulan	Coseri Sergiu, Spatareanu Alina, Bercea Maria, Budtova Tatiana, Harabagiu Valeria
P-13	Analytical services and training at the Complex Carbohydrate Research Center (CCRC)	Heiss Christian, Ishihara Mayumi, Wang Zhirui, Sonon Roberto, Naran Radnaa, Black Ian, Thomas Tina, Archer-Hartmann Stephanie, Azadi Parastoo
P-14	Characterization of isosorbide-1,4-cyclohexanedicarboxylic acid polyester oligomer using ion-trap tandem mass spectrometry	Oh Han Bin, Moon Bongjin
P-15	Hydrodynamic characterisation of commercial xanthan samples	Erten Tayyibe, Foster Tim, Adams Gary, Harding Stephen
P-16	Influence of molecular weight and deacetylation degree on relative optical density and crystallinity of chitin and chitosan	Dolgopiatova Natalia, Novikov Vitaly, Konovalova Irina
P-17	Investigation of the oligomeric state of the main classes of carrageenan (lambda, iota and kappa) using hydrodynamics	Almutairi Fahad, Adams Gary, Foster Timothy, Harding Stephen
P-18	Bio-based films from sisal pulp and glucose-phenolic resin	Almeida Erika Virginia Raphael, Gomes Da Silva Cristina, Frollini Elisabete
P-19	Comparison of hemicelluloses properties isolated from some popular in Latvia hardwoods	Zoldners Juris, Kiseleva Tatjana, Kuncevich Jurijs, Stiebra Laura
P-20	Fiber surface modification via charge-directed molecular self-assembly of functional polysaccharides	Wondraczek Holger, Vega Beatriz, Heinze Thomas, Fardim Pedro
P-21	Physicochemical and functional properties of insoluble dietary fibre isolated from Bambara groundnut (Vigna subterranea (L.) Verdc.)	Diedericks Claudine, Jideani Victoria
P-22	Biodegradable starch film using different types of microorganisms	Bajer Krzysztof, Bajer Dagmara

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P-24	Topochemistry of pretreatment wood biomass to enhance enzymatic hydrolysis	Mou Hongyan, Fardim Pedro, Heikkilä Elina
P-25	Enzymatic and acid saccharification of sisal cellulosic pulps	Kaschuk Joice, Lacerda Talita, Porto André, Coma Véronique, Frollini Elisabete
P-26	Soils and eco-systemic services: a study of agro-materials by-products during their biodegradation	Ben Ali Sedki, Bacoup Fériel, Leblanc Nathalie, Gattin Richard
P-27	Influence of physical and chemical conditions on the stability of the capsular polysaccharide of Haemophilus influenzae type b	Cintra Felipe, Takagi Mickie
P-28	The role of marine bacteria in destruction of chitin sediments in the Barents Sea	Rysakova Kira, Portsel Maria, Novikov Vitaly, Lyzhov Ivan, Mukhin Vyacheslav, Karaseva Tatiana
P-29	Study of hyaluronidase extracted from the milt of commercial species of aquatic organisms	Lyzhov Ivan, Rysakova Kira
P-30	Involvement of cell wall degrading enzymes in the regulation of pectic cell wall disassembly and methanol accumulation during olive (Olea europaea. L) fruit ripeness	Sadkaoui Abir, Jiménez Antonio, Pacheco Rafael, Beltrán Gabriel
P-31	Depolymerization of carboxymethylcellulose in a hydro-alcoholic medium by a mono-component endocellulase	Galante Yves, Cheroni Sara, Formantici Cristina
P-32	Enzyme resistance and biostability of hydroxyalkylated cellulose and galactomannan as thickeners in waterborne paints	Galante Yves, Cheroni Sara, Formantici Cristina
P-33	Chemical structure and in vitro antiviral activity of DL-hybrid sulfated galactans from the red seaweed Cryptonemia seminervis (Halymeniaes, Rhodophyta)	Mendes Gabriella, Colodi Franciely, Noseda Miguel, Cavalcanti Jéssica, Ferreira Luciana, Berté Siliane, Santos Norma, Romanos Maria, Duarte Maria
P-34	Effects of chitosan on shelf-life extension of tomato	Tazdaït Djaber, Salah-Tazdaït Rym, Grib Hocine, Abdi Nadia, Lounici Hakim, Mameri Nabil
P-35	Porous cellulose beads in drug delivery - comparison of anionic and nonionic systems	Yildir Emrah, Kolakovic Ruzica, Trygg Jani, Redant Hanne, Fardim Pedro, Sandler Niklas
P-36	Chemical coupling of butyric acid an hyaluronan: an innovative epigenetic agent	Bosco Marco, Sechi Alessandra, Gianni Rita, Fabbian Matteo, Picotti Fabrizio, Stucchi Luca, Marsich Eleonora, Sacco Pasquale, Paoletti Sergio
P-37	Immobilization of heparin onto PET surfaces treated by ammonia plasma	Kolar Metod, Vesel Alenka, Modic Martina, Kreuh Darij, Doli?ka Ale?, Stana-Kleinschek Karin, Mozeti? Miran
P-38	New hyaluronan-based hydrogel DAC® acts as antibacterial coating for orthopedic implants	Matricardi Pietro, Cencetti Claudia, Bellini Davide, Battista Angela, Sacchetta Anna, Meraner Joachim
P-39	Characterization of polysaccharides from the bark of Norway spruce and their immunomodulating properties	Le Normand Myriam, Mélida Hugo, Holmbom Bjarne, Michaelsen Terje E., Inngjerdingen Marit, Bulone Vincent, Paulsen Berit Smestad, Ek Monica
P-40	Immunomodulatory effects of polysaccharides isolated from aster scaber in immune-suppressed mice induced by cyclophosphamide	Kim Young-Chan, Jung Kyung Hee, Lee Young-Chul, Hong Hee-Do, Cho Chang-Won, Han Chun-Ji, Rhee Young Kyoung
P-41	Are cyclodextrins appropriate candidates for the release of drugs in a sustained way?	Asmarandei Ionela, Constantin Marieta, Bucatariu Sanda, Harabagiu Valeria, Fundueanu Gheorghe

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P-42	Cellulose-based hydrogels as procaine delivery systems	Ciolacu Diana, Rudaz Cyrielle, Budtova Tatiana
P-43	Alginate-nanocellulose hydrogel for multifunctional cell encapsulation	Hyun Jinho, Park Minsung, Cheng Jie, Ahn Sungmin, Lee Dajung
P-44	Biohydrogels obtained from galactomannan and xanthan as a vehicle of curcumin for topical application	Koop Heidegrid, Freitas Rilton, Souza Marcia, Costa Ariel, Silveira Joana
P-45	Biologically active plant polysaccharides	Košťálová Zuzana, Hromádková Zdenka, Ebringerová Anna, Paulsen Berit Smestad, Nosáľová Gabriela
P-46	Crude polysaccharides from traditional Korean rice wine (makgeoli) resist immunosuppression in cyclophosphamide-treated mice	Cho Chang-Won, Han Chun-Ji, Hong Hee-Do, Rhee Young Kyoung, Kim Young-Chan
P-47	Structures and antiviral activities of botanical polysaccharides	Lee Jung-Bum, Hayashi Kyoko, Hayashi Toshimitsu, Kurosaki Fumiya
P-48	TLR-mediated cell stimulation on glyco-decorated biointerfaces composed of chitohexaose and cellohexaose	Uemura Fumi, Kitaoka Takuya
P-49	Glyco-mediated alignment and regulation of myoblast cells cultured on GlcNAc-clustered micropatterns	Poosala Pornthida, Kitaoka Takuya
P-51	Cholesterol and fat lowering with hydrophobic polysaccharide derivatives	Copikova Jana, Taubner Tomas, Tuma Jan, Synytsya Andriy, Duskova Dagmar, Marounek Milan
P-52	New amphiphilic glycopolymers to formulate light sensitive nanoparticles	Soliman Soliman, Nouvel Cécile, Babin Jérôme, Six Jean-Luc
P-53	Synthesis and self-assembly of amphiphilic glycopolymers with liquid crystal grafts	Ferji Khalid, Nouvel Cécile, Babin Jérôme, Albouy Pierre-Antoine, Li Min-Hui, Six Jean-Luc
P-54	3D printed nanocellulose hydro- and aerogel structures	Hänninen Tuomas, Roozeman Robert, Pelto Jani, Kupiainen Virpi, Löija Mia, Metsä-Kortelainen Sini
P-55	Bacterial cellulose membranes as straightforward transdermal drug delivery systems	Silva Nuno, Almeida Isabel, Costa Paulo, Rosado Catarina, Freire Carmen, Silvestre Armando, Pascoal Neto Carlos
P-56	Macroporous hyaluronan gels	Ström Anna, Schuster Erich, Oguz Okay, Larsson Anette
P-57	Ordered biomineralization mediated by a host-guest reaction on unique oriented polysaccharide templates	Kojima Takahiro, Yokota Shingo, Kondo Tetsuo
P-58	Thin films based on cell wall plant polysaccharides: controlled architecture and application to enzymatic hydrolysis studies	Abir Dammak, Celine Moreau, Nadege Beury, Loua Gouider, Fabrice Cousin, Bruno Jean, Estelle Bonnin, Bernard Cathala
P-59	Immunomodulatory effects of polysaccharides fractions from persimmon leaves on cyclophosphamide induced immune suppression in mouse	Hong Hee-Do, Cho Chang-Won, Rhee Young Kyoung, Han Chun-Ji, Shin Kwang-Soon, Lee Young-Chul
P-60	Biodegradable spun-bond non-woven as materials for mulches, nursery pots and direct covers of plants	Sulak Konrad, Lichocik Małgorzata, Krucińska Izabella, Ciechanska Danuta, Siwek Piotr, Libik Andrzej
P-61	Synthesis and characterization of PMMA/Carboxymethylcellulose nanocomposites: Biodegradation properties	Djahida Lerari, Ahmed Benaboura, Mohamed Zinai
P-62	New mouldable cellulose-AESO biocomposites	Narewska Joanna, Fardim Pedro
P-63	Melting and crystallization behaviors of thermoplastic starch/polylactic acid composites	Liao Sheng-Ju, Chang Chih-Jen, Cheng Chin-Hsiu
P-64	High-performance thermoplastic starch/polycarbonate composites	Liao Sheng-Ju, Chang Chih-Jen, Liou Shihn-Juh
P-65	Water permeability and mechanical properties of biodegradable composite films consisting of poly(lactic acid), cellulose and xyloglucan	Sofie Gårdebjer, Anette Larsson, Caroline Löfgren, Anna Ström

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P-67	Superhydrophobic surfaces fabricated from nanostructured cellulose stearoyl esters	Geissler Andreas, Chen Longquan, Zhang Kai, Bonaccurso Elmar, Biesalski Markus
P-68	Biodegradable and oxygen scavenger starch-based film	Mahieu Angélique, Terrie Caroline, Youssef Boulos
P-69	Bio-based films from sisal cellulose and its esters: influence of the length of the cellulose ester chain on the films properties	Manzolli Rodrigues Bruno, Frollini Elisabete
P-70	Sisal and microcrystalline celluloses: preparation of beads from NaOH/Urea aqueous solutions	Manzolli Rodrigues Bruno, Trygg Jani, Frollini Elisabete, Fardim Pedro
P-71	Derivatization of polysaccharides with isocyanates	Vardareli Tugba, Holvoet Servaas, Phanopoulos Chris
P-72	Surface modification of cellulose nanocrystals for similar cellulose derivatives interface in cellulose nanocomposites	Timhadjelt Lamia, Belgacem Naceur, Serier Aicha, Bras Julien
P-73	Secretion of cellulose/curdlan nanocomposites by gene-transformed Gluconacetobacter xylinus	Fang Ju, Nakagawa Satoshi, Kawano Shin, Tajima Kenji, Kondo Tetsuo
P-74	Characterization of a novel Arabidopsis β-glucuronosyltransferase and its application in type II arabinogalactan modification	Dilokpimol Adiphol, Tryfona Theodora, Kotake Toshihisa, Kaneko Satoshi, Dupree Paul, Geshi Naomi
P-75	Encapsulated carbon back through miniemulsion polymerization in presence of modified nanoparticles of silica as surfactant	Ibrahim Saber, Soliman Omar
P-76	The influence of gamma irradiation on the physico-chemical properties of the complexes formed by potato starch with cetyl-trimethyl ammonium bromide	Ciesla Krystyna, Rahier Hubert, Lyczko Krzysztof
P-77	Antifungal cellullose by Capsaicin grafting onto it	Martini Raquel, Serrano Luis, Barbosa Silvia, Labidi Jalel
P-78	Structure and moisture absorption of a partially depolymerized high-molecular polysaccharide with ultrasound from a medicinal fungus	Chen Xia, Cheung Yi-Ching, Siu Ka-Chai, Wu Jian-Yong
P-79	TEMPO-mediated oxidation of cotton cellulose fabrics used for underclothes	Yui Yoshinari, Tanaka Chiaki, Isogai Akira
P-80	Synthesis and characterization of sulfoethyl chitosan	Heise Katja, Brendler Erica, Fischer Steffen
P-81	Chemical interactions in chitosan-treated TEMPO-oxidized bacterial cellulose	Chen Lai
P-82	Effect of treatment time and temperature on the formation of xylose in the birch wood pretreatment process	Brazdausks Prans, Vedernikovs Nikolajs, Puke Maris, Kruma Irena
P-83	Chemo-enzymatic synthesis of a novel inclusion supramolecular polymer composed of amylose and poly(l-lactide)	Tanaka Tomonari, Sasayama Shota, Yamamoto Kazuya, Kimura Yoshiharu, Kadokawa Jun-Ichi
P-84	Water-soluble oxidized starch - an efficient metal complexing agent	Komulainen Sanna, Diaz Estibaliz, Pursiainen Jouni, Lajunen Marja
P-85	Development of an injectable extracellular matrix for regenerative medicine by silanization of a cellulose derivative in an ionic liquid medium.	Guillory Xavier, Chopin Nathalie, Weiss Pierre, Colliec-Jouault Sylvia, Le Bideau Jean
P-86	Hydrogels crosslinked of cellulose acetate: synthesis, characterization and application in the release of NPK in the soil.	Senna André, Novak Kátia, Botaro Vagner
P-87	TEMPO-oxidation of microcrystalline cellulose	Peyre Jessie, Kontturi Eero, Pääkkönen Timo
P-88	Grafting of stimuli responsive polymer onto tempo-mediated Microfibrillated Cellulose via click chemistry	Cheyron Hugo, Missoum Karim, Belgacem Naceur, Bras Julien
P-89	Synthesis of highly-confined CdS nanoparticles by copolymerization of acryloylated starch	Mohammed Aliyu, Onwudiwe Damian, Young Desmond, Vosloo Hermanus

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P-92	Water based modification of micro/nano fibrillated cellulose and subsequent functional tailoring by click-chemistry	Zeno Elisa, Petit-Conil Michel, Goethals Christophe
P-93	Reasoning the ways of low-calorie cream production using structure forming agents compositions	Kambulova Julya, Zvyaginceva-Semenec Yulia, Shevchenko Iulia
P-94	Rheological properties of functional spread with colloidal microcrystalline cellulose	Dokic Ljubica, Nikolic Ivana, Krstonosic Veljko, Pajin Biljan
P-95	Flocculation of silica in raw sugar	Moghaddam Lalehvash, Foong Kevin, Amal Rose, Doherty William
P-96	Gelation of different agarose-hydrocolloid systems and the impact of sucrose and trehalose	Russ Natalie, Schiedt Birgitta, Vilgis Thomas
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