

08:30 AM - 09:30 AM		PL-6 (Auditorium)	Biocatalysis Enables New Options in Polymer Science R.A. GROSS, RENNSLAER POLYTECHNIC INSTITUTE			
09:30 AM - 10:30 AM						
OC-5-1 (Auditorium)	OC-5-2 (Room 5)	OC-5-3 (Room 2)	OC-5-4 (Room 1)	OC-5-5 (Room 3)	OC-5-6 (Room 4)	
739 Highly porous carbohydrate thermoset polymers side stream derived of biorefineries <i>Alice MIJA</i>	673 Steam explosion pre-treatment of lignocellulosic biomass - Influence of the explosion pressure difference on the enzymatic digestibility of different biomass types <i>Christoph-Maximilian SEIDEL</i>	641 A green heterogeneous reductive amination procedure for bio-based aldehydes and ketones in water: Selective synthesis of primary amines <i>Aiqin WANG</i>	147 Selective Oxidation of 5-Hydroxymethylfurfural to 2,5-Diformylfuran and 2,5-Furandicarboxylic Acid over Ru-Supported Catalysts <i>Mohammad Ghith AL-SHAAL</i>	477 Surface-active ionic liquids in the micellar catalytic epoxidation of cyclooctene <i>Johannes SCHÄFFER</i>	635 Practical Routes to Silicone/Saccharide Composite Materials <i>Michael BROOK</i>	
870 Expeditious conversion of alginate to furfural in Cu(II) biphasic systems using microwaves <i>Yantao WANG</i>	933 Bio-catalysts based on surface functionalized laccases <i>Thierry TRON</i>	779 Amination of biogenic alcohols: Synergies of solid catalysts and water as solvent <i>Marcus ROSE</i>	265 Efficient oxidation catalysis exemplified by fatty ethoxylates alcohols conversion to corresponding carboxylates <i>Armin LIEBENS</i>	657 Liquid Cobalt Salts as Non-Volatile Electrolytes for High Current Density Electrodeposition of Cobalt and Electrochemical Synthesis of Cobalt Nanoparticles <i>Pieter GEYSENS</i>	804 Grafting CO <sub>2</sub> -responsive polymers from cellulose nanocrystals via reversible deactivation radical polymerization (RDRP) <i>Pascale CHAMPAGNE</i>	
880 Molten Salt for the High Throughput Production of Biochar from Biomass <i>Luo FEN-TAIR</i>	999 Expeditious synthesis of the acidic pentasaccharide related to <i>Escherichia coli</i> O120 via sequential one-pot four component glycosylation reactions <i>Rina GHOSH</i>	1512 Towards more optimal use of the carbohydrate feedstock: from pretreatment to catalytic valorisation <i>Thijs ENNAERT</i>	565 Selective Hydrodeoxygenation of Alkyl Lactates with Non-Precious Metal Supported Catalysts <i>Anders RIISAGER</i>	973 Non-volatile liquid-liquid systems formed by two ionic liquids <i>Catarina M. S. S. NEVES</i>	845 Biopolymer-based multilayer nanocoatings that exhibit high gas barrier and flame retardant behavior <i>Jaime GRUNLAN</i>	
11:00 AM - 12:30 PM						
Poster Session 2. & Green Chemistry Challenge : Innovation Sessions 2. BIOCORIUM, BIOSYNTHIS, MERCK, SEPROSYS, VALAGRO (11:00 AM - 12:00 AM) Exhibition & 1to1						
03:00 PM - 03:30 PM						
KN-3-1 (Room 3)	KN-3-2 (Room 5)	KN-3-3 (Room 1)	KN-3-4 (Room 4)	KN-3-5 (Auditorium)	KN-3-6 (Room 2)	
1393 INNOVATION & "ECOTROPISM®" Biotech and Advanced Technologies <i>S. REBOUILLAT</i>	1398 Designing heterogeneous catalysts for biorefining <i>K. WILSON</i>	1391 From Biomass to COSMETIC Sustainable multifunctional Ingredients and Solutions. <i>N. PATOUILLARD</i>	1390 From laboratory to manufacturing plant: Innovative industrial cases using physical activation. <i>E. NORRANT</i>	1388 Benign-by-design methodologies for a more sustainable future: from nanomaterials to heterogeneous (photo)catalysis and biomass/waste valorisation <i>R. LUQUE</i>	1461 Flow Fine Synthesis for Green Sustainable <i>Shu KOBAYASHI</i>	
02:30 PM - 03:30 PM						
FC-5-1 (Room 2)	FC-5-2 (Auditorium)	FC-5-3 (Room 4)	FC-5-4 (Room 3)	FC-5-5 (Room 1)	FC-5-6 (Room 5)	
212 ADOR-approach as a new strategy for design of micro- and mesoporous materials with adjustable textural and catalytic properties <i>Maksym OPANASENKO</i>	160 An integrated computational and experimental investigation of the oxidation of Glucose to Gluconic acid on CuO: Insights into the role of lattice Oxygen <i>Prince AMANIAMPONG</i>	417 Bottom up assessment of the GHG footprint of pharmaceuticals - from raw materials to patient end use <i>Rainer SAUERBORN</i>	184 A New Generation of Polyester with surprising properties <i>Carine ALFOS</i>	449 Selective extraction of lipids from seaweeds using supercritical carbon dioxide and solid-liquid methods <i>Nolwenn TERME</i>	248 A Green Synthesis of 5-Substituted 1H-Tetrazoles using Polymer-Supported Organotin Reagents in Continuous Flow <i>Erwan LE GROGNEC</i>	
399 One pot synthesis of hydroxylated or amino-hydroxylated triglycerides <i>Frédéric HAPIOT</i>	611 Production of singlet molecular oxygen from hydrogen peroxide catalyzed by niobium-based polyoxometalates: an efficient system for selective oxidation under acidic and neutral conditions <i>Benjamin PACAUD</i>	483 Study of the photodegradation of alpha-tocopherol - Structural elucidation and potential toxicity of the UV-Visible photoproducts <i>Segolene DE VAUGELADE</i>	535 Plant oil derived polyethers by the GaBr <sub>3</sub> -catalyzed reduction of esters <i>Patrick-Kurt DANNECKER</i>	473 Synthesis of maleic and fumaric acids from furfural in the presence of betaine hydrochloride and hydrogen peroxide <i>Araji NAHLA</i>	451 Conversion of ethanol to 1,3-butadiene with zinc silicate-containing catalysts <i>Guillaume POMALAZA</i>	
415 Ionic Liquids with a Leading Role in Greener Catalysis. <i>Andrew MARR</i>	922 Efficient conversion of cellulose to ethanol catalyzed by the combination of zirconia-supported Pt nanoparticles and tungstic acid in H <sub>2</sub> O in H <sub>2</sub> <i>Shunji XIE</i>	732 Structural elucidation of unknown photoproducts of a commercial fungicide. <i>Edith NICOL</i>	848 Synthesis of renewable thermoplastics from vegetable-based building-blocks <i>Etienne GRAU</i>	1001 Development of nanoemulsions with vegetal oils enhanced by melaleuca oil <i>Marina OLIVEIRA</i>	595 Low Loading Asymmetric Catalysis with Helical Chiral Oligoureas <i>Diane BECART</i>	
575 Picking Interfacial Catalysis : a smart way to perform biphasic reaction with heterogeneous catalyst <i>Bingyu YANG</i>	968 Catalytic valorisation of waste cellulosic materials to sorbitol <i>Lucilia RIBEIRO</i>	828 ignition point of the climate as a systemic risk <i>Simon RAUCH</i>	1280 One-pot ultrasound assisted functionalization of multi-walled carbon nanotubes via Diels-Alder chemistry in aqueous media <i>Won Tae CHOI</i>	1322 Formation of aqueous biphasic systems with water soluble ammonium-based zwitterions and salts aqueous solutions <i>Helena PASSOS</i>	842 Enantioselective catalytic functionalization of enals driven by the photoexcitation of iminium ions <i>Charlie VERRIER</i>	
1469 Ru-NNS catalysts for selective hydrogenation of -unsaturated Esters, Aldehydes, and Ketones <i>Pim PUYLAERT</i>	1274 Non-thermal atmospheric plasma treatment in liquid media for polysaccharide depolymerization <i>Raluca NASTASE</i>	1281 Zebrafish ( <i>Danio rerio</i> ) for studying ionic liquid toxicity <i>Suvi-Katriina RUOKONEN</i>		1325 TOPO based hydrophobic deep eutectic solvents <i>Mark GILMORE</i>	930 Enzymatic synthesis of xylose and arabinose based fatty acid esters and evaluation of their surfactant properties <i>Thomas MELINE</i>	

SCIENTIFIC  
PROGRAM  
Thursday, May 18<sup>th</sup>