

CatBior 2011 Scientific Programme

Plenary and Keynotes Lectures

Plenary 1 (03-10-2011; 9:00-10:00)

Prof. K. Tomishige: "Heterogeneous catalysis for glycerol valorization"

Keynote 1 (03-10-2011; 11:30-12:10)

Prof. C. Perego: "Diesel fuel from biomass: today and tomorrow"

Plenary 2 (03-10-2011; 15:00-16:00)

Prof. J.L.G. Fierro: "Catalytic biomass conversion"

Plenary 3 (04-10-2011; 9:00-10:00)

Prof. E. Santacesaria: "New technologies in biodiesel production: state of the art and future challenges"

Keynote 2 (04-10-2011; 11:30-12:10)

Prof. E. Falabella: "Main challenges in the production of biofuels and bioproducts in Brazil"

Plenary 4 (05-10-2011; 9:00-10:00)

Prof. J.A. Dumesic: "Strategies for catalytic conversion of biomass-derived carbohydrates to liquid hydrocarbon fuels"

Keynote 3 (05-10-2011; 11:30-12:10)

Prof. J.P. Lange: "Furfural – a promising platform for biofuels"

Plenary 5 (05-10-2011; 12:30-13:30)

Prof. F. Schüth: "Catalytic conversion of cellulose"

Oral Presentations

Title	Authors
O-1 Conversion of glycerol to value-added chemicals over bifunctional metal-doped polyoxometalate catalysts	A. Alhanash, E.F. Kozhevnikova, <u>I.V. Kozhevnikov</u>
O-2 Glycerol acetylation catalyzed by ion exchange resins	<u>I. Dosuna-Rodríguez</u> , E.M. Gaigneaux
O-3 Insights into the catalytic mechanism for glycerol hydrogenolysis to 1,2-propanediol using transfer hydrogenation with 2-Propanol	<u>I. Gandarias</u> , P.L. Arias, S. García, J. Requies, M.B. Güemez
O-4 Support and preparation method influence of gold supported catalysts on the glycerol oxidation catalytic behavior	D.P. Aguirre, <u>J.C. Vargas</u>
O-5 Synthesis of glycerol carbonate from glycerol and urea with heterogeneous catalysts	<u>J.A. Lopez-Sanchez</u> , C. Hammond, M.H. Ab Rahim, N. Dimitratos, R.L. Jenkins, A.F. Carley, Q. He, C.J. Kiely, D.W. Knight, G.J. Hutchings
O-6 W-V-O bronzes, catalysts for the transformation of glycerol into acrylic acid	F. Cavani, S. Guidetti, C. Trevisanut, M.D. Soriano, P. Concepción, <u>J.M. López Nieto</u>
O-41 Aqueous-phase catalytic processing of biomass-derived acids to fuels and chemicals	<u>J.C. Serrano-Ruiz</u> , R. Luque, L. Pastor, R. Buitrago, A. Sepúlveda-Escribano, J.A. Dumesic
O-8 Hydrogenolysis of lignin towards energy dense biofuels	<u>X. Wang</u> , U. Richter, R. Rinaldi
O-9 Biogas reforming over nickel catalysts supported on CeO ₂ -Al ₂ O ₃	O.A. Bereketidou, <u>M.A. Goula</u>
O-10 How surface and textural properties affect the behaviour of Mn-based catalysts during transesterification reaction to produce biodiesel	C. Cannilla, G. Bonura, F. Arena, E. Rombi, A. Mezzapica, <u>F. Frusteri</u>
O-11 Zr-SBA-15 acid catalyst: optimization of the synthesis and operating conditions for biodiesel production from low-grade oils and fats	<u>J.A. Melero</u> , L.F. Bautista, J. Iglesias, G. Morales, R. Sánchez-Vázquez
O-12 Mg/Al hydrotalcite catalyst for biodiesel production in continuous packed bed reactors	<u>M. Di Serio</u> , S. Mallardo, G. Carotenuto, R. Tesser, E. Santacesaria
O-13 Nanostructured metal oxides for cleaving glycerophospholipids	<u>A. Corpuz</u> , L. Chen, C. Cadigan, G. Atiaga, B. Ho, I. Narkeviciute, M. Posewitz, R.M. Richards
O-14 Catalytic conversion of rapeseed oil into raw chemicals and fuels over Ni- and Mo-modified nanocrystalline ZSM-5 zeolite	<u>J.A. Botas</u> , D.P. Serrano, A. García, J. de Vicente, R. Ramos
O-15 Catalytic hydrothermal gasification of aqueous fraction of bio-oil	<u>A.G. Chakinala</u> , J.K. Chintaginjala, S.R.A. Kersten, D.W.F. Brilman
O-16 Catalytic hydrotreating of waste cooking oil for white diesel production	<u>S. Bezergianni</u> , A. Dimitriadis, S. Voutetakis
O-17 Co-processing of hydrodeoxygenation (HDO) - hydrodesulfurization (HDS) over ReS ₂ /support catalysts	<u>C. Sepúlveda</u> , N. Escalona, R. García, D. Laurenti, M. Vrinat

O-18	Coke origin and character in the transformation of crude bio-oil into olefins on a HZSM-5 catalyst in a two-step process	<u>P. Castaño</u> , B. Valle, M. Olazar, J. Bilbao, A.G. Gayubo
O-19	H ₂ production from steam reforming of palm kernel shell (PKS) in the presence of Zeolite β supported Fe and Ni catalysts	<u>A. Ramli</u> , M.F. Mohamad, S.E.E. Misi, S. Yusup, S.S. Abdullah
O-20	Influence of Faujasite catalysts on the fast pyrolysis of pine wood	<u>T.S. Nguyen</u> , Y. Guan, L. Lefferts, G. Brem, K. Seshan
O-21	Preparation and testing of oxide catalysts for FT and DME synthesis in microreactors for potential future application in an integrated biorefining concept	<u>M. O'Connell</u> , R. Zapf, G. Kolb, M. Jayamurthy, C. Komodromos, A. Bhattacharya
O-22	Promotion effects in the selective synthesis of oxygenates from bio-syngas studied on model supported Rh catalysts	G. Prieto, P. Concepción, <u>A Martínez</u>
O-23	Steam reforming, oxidative steam reforming and partial oxidation for hydrogen production from bioethanol over nickel based oxyhydride catalysts	<u>L. Jalowiecki-Duhamel</u> , C. Pirez, M. Capron, H. Jobic, F. Dumeignil
O-24	New CoSn/ZnO catalysts for the hydrogenation of methyl oleate	<u>K. De Oliveira Vigier</u> , Y. Pouilloux, J. Barrault
O-25	Toward a selective hydrotreatment of vegetable oils to high quality middle distillates	S. Sahal, <u>A. Daudin</u> , T. Chapus
O-26	Evaluation of several catalytic systems for the epoxidation of fatty esters using H ₂ O ₂ as oxidant	M. de Torres, G. Jiménez-Osés, J.A. Mayoral, <u>E. Pires</u>
O-27	Glycerol gas-phase reforming on x%Ru/C and Ru-Pt/C catalysts	C.E. Figueira, <u>R.R. Soares</u>
O-28	On the performance and mechanistic implications of lanthana modified ceria–zirconia Rh catalyst in acetic acid steam reforming	E. Vagia, <u>A.A. Lemonidou</u>
O-29	Two step process for conversion of cellulose into sorbitol and value fuels, chemicals and H ₂	A. Shrotri, Q. Ma, <u>J. Beltramini</u> , A. Tanksale
O-30	Catalytic production of hydrogen via aqueous phase reforming of renewables	<u>A. Kirilin</u> , A. Tokarev, L.M. Kustov, D. Yu. Murzin, J.-P. Mikkola
O-31	Glucose-fructose isomerisation promoted by basic hybrids catalysts	R.O.L. Souza, D.F. Patrick, C. Feche, F. Rataboul, <u>N. Essayem</u>
O-32	Supported gold-copper nanoparticles as a reusable catalyst for the oxidation of 5-hydroxymethyl-2-furfural under mild conditions	<u>T. Pasini</u> , S. Albonetti, M. Blosi, R. Bonelli, M. Piccinini, N. Dimitratos, J.A. Lopez-Sanchez, C. Kiely, G. Hutchings, F. Cavani
O-33	Use of catalysts in thermal biomass conversions: adding value to polysaccharides	<u>P.S. Shuttleworth</u> , J. Parker, V.L. Budarin, S. Breeden, J.H. Clark
O-34	On the role of accessibility in the heterogeneous catalytic processing of cellulose	<u>S. Van de Vyver</u> , J. Geboers, P. Jacobs, B. Sels
O-35	Catalytic dehydration of xylose to furfural in the presence of mixed zirconium tungsten oxides	J. Candeias, <u>S. Lima</u> , M. Pillinger, A.A. Valente

O-36	Performance and structure of Rh-ReOx/C in the hydrogenolysis of tetrahydropyran-2-methanol to 1,6-hexanediol	<u>K. Chen</u> , Y. Nakagawa, K. Tomishige
O-37	Selective production of 1,2-propylene glycol from Jerusalem artichoke tuber on Ni-W ₂ C/AC catalysts	L. Zhou, A. Wang, <u>T. Zhang</u>
O-38	Conversion of cellulosic biomass into high-value chemicals: a perspective of heterogeneous and electrochemical catalysis	<u>K.R. Vuyyuru</u> , P. Strasser
O-39	Lignocellulosic-derived mesoporous materials: an answer to manufacturing non-expensive catalysts useful for the biorefinery processes	<u>M.O. Guerrero-Pérez</u> , J.M. Rosas, R. López-Medina, M.A. Bañares, J. Rodríguez-Mirasol, T. Cordero
O-40	Biomass derived formic acid for hydrogen production and hydrogenation	<u>D.A. Bulushev</u> , L. Jia, S. Beloshapkin, J.R.H. Ross
O-7	Catalytic conversion of sugars to conventional liquid fuels	<u>R.D. Cortright</u> , P. Blommel
O-42	Catalytic hydrodeoxygenation of guaiacol to produce green aromatics from lignin	<u>R. N. Olcese</u> , M. Bettahar, D. Petitjean, J-C. Moise, A. Dufour

Poster Presentations

	Title	Authors
P-01	Optimization of butyl esters as a biodiesel fuel from rapeseed and used Frying oils using biobutanol	<u>A. Bouaid</u> , N. El Boulifi, K. Hahati, M. Martinez, J. Aracil
P-02	Ethanolysis of sunflower oil by using basic catalysts derived from calcium zincate	<u>J.M. Rubio-Caballero</u> , C. García-Sancho, R. Moreno-Tost, J. Mérida-Robles, J. Santamaría-González, A. Jiménez-López, P. Maireles-Torres
P-03	Production of long chain esters from babassu biodiesel using nanoporous silica	C.B. Veloso, S. A. Quintella, R. Saboya, F. Ordelei, N. Silva, <u>M.C.G. Albuquerque</u> , D.C.S. Azevedo, C.L. Cavalcante Jr.
P-04	Ce-doped dodecatungstophosphates as solid acid catalysts for one-pot production of biodiesel from waste cooking oil	W. Shi, M. Cheng, <u>X. Wang</u>
P-05	Esterification of acidic oils: a way towards new products for the Biorefinery	F. Zaccheria, S. Brini, R. Pisaro, <u>C. Chan Thaw</u> , N. Ravasio
P-06	Acid heterogeneous catalysis for free fatty acids esterification	<u>D.C. Boffito</u> , C.L. Bianchi, G. Carvoli, C. Pirola, S. Vitali, D. Barnabé, R. Bucchi, A. Rispoli
P-07	FTIR analysis of biofuel production by hydroconversion of jatropha curcas seed oil on conventional HDS catalysts.	J. García-Dávila, <u>E. Ocaranza-Sánchez</u> , M. Rojas-Perez, J.A. Muñoz-Arroyo, A.L. Martínez-Ayala

P-08	Enzyme catalytic process of flavonoid biosynthesis in oleic acid rich canola	<u>E. Maltas</u> , S. Yildiz
P-09	Rational catalyst design: identification of the key descriptors for (trans)esterification on ion-exchange resins	<u>E. Van de Steene</u> , J. de Clercq, J.W. Thybaut
P-10	Heterogeneous basic-catalysts for biodiesel production from microalgae	<u>A. Sotomayor</u> , R. Abdala, F. López-Figueroa, C. Herrera, M.A. Larrubia, L.J. Alemany
P-11	Biodiesel production from crude castor oil and jatropha oil via transesterification at high pressure	<u>G. Hincapié</u> , D. López
P-12	Production of saturated fatty acid from hydrolysis of soybean oil	<u>G. Chenard Díaz</u> , N. C. Om Tapanes, R. Salazar Perez, A. Almarales Arceo, D.A. Gomes Aranda, A.M. Duarte
P-13	Transesterification of soybean oil to biodiesel by solid base catalyst derived from mixing potassium fluoride and calcium nitrate assisted by vermicelli as a template	T. Meechai, S. Kongchamdee, <u>E. Somsook</u>
P-14	Ta ₂ O ₅ supported on SBA-15 silica as acidic catalyst for the methanolysis of sunflower oil	<u>I. Jiménez-Morales</u> , J. Santamaría-González, P. Maireles-Torres, A. Jiménez-López
P-15	Ricinoleic acid esterification using natural and pillared clays as catalysts	F.M.T. Luna, A.C.R. Caetano, A.M.Q. Felix, D. Barrera, K. Sapag, C.L. Cavalcante Jr.
P-16	Study of the acid organocatalyzed transesterification of triglycerides to biodiesel by response surface methodology	P. Lozano-Martínez, A.L. Fuentes de Arriba, V. Alcázar, L. Simón, J.R. Morán, <u>J. Cuéllar</u>
P-17	MgAlLi mixed oxides derived from hydrotalcite for catalytic transesterification	C.S. Castro, D. Cardoso, <u>J. Mansur Assaf</u>
P-18	ZnO Supported on AISBA-15 as solid catalyst for biodiesel production	<u>L.P.F.C. Galvão</u> , J.M. Rubio-Caballero, A.G.D. Santos, A.D. Gondim, M.J.F. Costa, P. Maireles-Torres, R. Moreno-Tost, V.J. Fernandes Jr., A.S. Araujo
P-19	Biodiesel production by using magnesium oxide supported on AISBA-15	<u>A.G.D. Santos</u> , L.P.F.C. Galvão, J.M. Rubio-Caballero, M.N. Barbosa, P. Maireles-Torres, J. Santamaría-González, V.J. Fernandes Jr., A.S. Araujo
P-20	Solid base catalysis of calcium glyceroxide formed by combining calcium oxide with glycerol during transesterification of vegetable oil with methanol.	<u>M. Kouzu</u> , J. Hidaka, K. Wakabayashi, M. Tsunomori

P-21	Poly-(styrenesulphonic) acid: an active and reusable acid catalyst soluble in polar solvents for biodiesel and furfural synthesis	M. López Granados, <u>A.C. Alba Rubio</u> , I. Sádaba, R. Mariscal, I. Mateos-Aparicio, A. Heras
P-22	Hydrocarbon production through hydrodeoxygenation of methyl esters over Ni and Co supported on SBA-15 and Al-SBA-15	C. Ochoa Hernández, Y. Yang, <u>J.M. Coronado</u> , V.A. de la Peña O'Shea, D.P. Serrano
P-23	Bio-resources valorization for fuels by hydroprocessing: the example of <i>Jatropha curcas</i>	V. Goodwin, T. Ratana, P. Udomsap, N. Youngwilai, C. Lorentz, <u>D. Laurenti</u> , C. Geantet, S. Tungkamani, N. Chollacoop
P-24	Intensified reactors design for renewable diesel production	<u>A. Pashigreva</u> , M. O'Connell, B. Werner, H.J. Kost, G. Kolb, A. Bhattacharya
P-25	Oligomerization of glycerol using homogeneous catalysts and possible applications in the biodiesel industrial production	A.A.S. Lopes, F.A.S. Mota, C.B. Sousa, <u>M.C.G. Albuquerque</u> , F.M.T. Luna, C.L. Cavalcante Jr.
P-26	Raw glycerol transformation: the role of different matrixes in selectivity and durability of the catalytic system	<u>A. Villa</u> , M. Schiavoni, C.L. Bianchi, D.C. Boffito, C. Pirola, L. Prati
P-27	Glycerol acetals as diesel additives: kinetic study of the reaction between formaldehyde/acetaldehyde and glycerol	<u>I. Agirre</u> , A. Ugarte, I. García, J.M. Requies, V.L. Barrio, M.B. Güemez, J.F. Cambra, P.L. Arias
P-28	Supported heteropoly acid as catalysts with increased long-term performance and thermal stability for the dehydration of glycerol yielding acrolein	<u>B. Katryniok</u> , S. Paula, M. Capron, C. Lancelot, V. Bellière Baca, P. Rey, F. Dumeignil
P-29	Chemicals from biomass: synthesis of lactic acid from glycerol and sorbitol catalyzed by NaOH under hydrothermal conditions	J.R. Ochoa-Gómez, <u>C. Ramírez-López</u> , S. Gil-Río, B. Mestre-Madurga, O. Gómez-Jiménez-Aberasturi, J. Torrecilla-Soria, M. Belsue
P-30	Development of catalysts based on tungsten carbides for glycerol hydrogenolysis	<u>C.B. Rodella</u> , S.F. Moya, V. Teixeira da Silva, C.M.S. Queiroz, V.P. Vicentini, D. Zanchet
P-31	Oxidation kinetics of Ce-doped FePO ₄ catalyst coked during glycerol dehydration to acrolein	<u>G.S. Patience</u> , Y. Farrie, J.-F. Devaux, J.L. Dubois
P-32	Immobilized heteropolyacids in zirconia and silica matrix by sol gel and wet impregnation techniques for glycerol acetylation	<u>I. Dosuna-Rodríguez</u> , E.M. Gaigneaux
P-33	Valorization of glycerol into bio-fuel additives by condensation with acetone over tungstophosphoric acid immobilized in SBA-15	S. Carlota, I. Fonseca, A. Ramos, J. Vital, <u>J. Castanheiro</u>

P-34	Efficient production of triacetin from glycerol over arenesulfonic acid-modified SBA-15 silica	G. Vicente, <u>M. Paniagua</u> , G. Morales, J.A. Melero
P-35	Glycerol oxidation over gold-based catalysts	W. Zhu, E. Skrzyńska, F. Hosoglu, R. Ducoulombier, N. Mimura, T.B. Nguyen, P. Fongarland, <u>M. Capron</u> , F. Dumeignil
P-36	Ammoxidation of glycerol on bulk and support-stabilized nanoscaled SbVOx binary oxides doped with niobium	H. Golinska-Mazwa, M. Ziolk, V. Calvino-Casilda, <u>M.O. Guerrero-Pérez</u> , M.A. Bañares
P-37	Valorization of glycerol as a key in the environment of biorefineries	<u>R. Comelli</u>
P-38	The influence of reaction parameters on the selectivity of glycerol hydrogenolysis reaction using Raney Ni as catalyst	<u>S.F. Moya</u> , C.B. Rodella, C.M.S. Queiroz, V.P. Vicentini, D. Zanchet
P-39	Structure-function correlations for Pt/NaY in the catalytic hydrogenolysis of glycerol	<u>S. Van de Vyver</u> , E. D'Hondt, P. Jacobs, B. Sels
P-40	Promoter effects of CeO ₂ in glycerol hydrogenolysis with Cu/CeO ₂ -Al ₂ O ₃ catalysts	<u>F. Vila</u> , M. López Granados, M. Ojeda, R. Mariscal
P-41	Zirconium doped mesoporous silica catalysts for the dehydration of glycerol to acrolein	<u>C. García Sancho</u> , J.M. Rubio-Caballero, R. Moreno-Tost, J. Mérida-Robles, J. Santamaría-González, A. Jiménez-López, P. Maireles-Torres
P-42	Fatty acids composition and antioxidant activity of Helichrysum arenarium	E. Maltas, <u>S. Yildiz</u>
P-43	Production of bio-oil from biomass and upgrading of bio-oil	<u>A. Gungor</u> , S. Onenc, B. Yalcin, S. Ucar, J. Yanik
P-44	Phenol hydrodeoxygenation over supported Zn-Ni catalysts. An approach to oxygen removal from bio-liquids	<u>C.V. Loricera</u> , A. Infantes-Molina, R. Guil-López, P. Castaño, B. Pawelec, J.L.G. Fierro
P-45	Upgrading of bio-liquid on different mesoporous silica-supported CoMo catalysts	<u>C.V. Loricera</u> , R. Nava, A. Infantes-Molina, R. Guil-López, P. Castaño, B. Pawelec
P-46	New extraction processes for fast-pyrolysis bio-oil: increase in the production of phenols and other chemicals of interest	<u>E. Borsella</u> , R. Aguado, M. Merelas, M. Olazar

P-47	Steam reforming of tar from pyrolysis of biomass over Ni/Mg/Al catalysts prepared from hydrotalcite-like precursors	<u>M. Koike</u> , L. Wang, D. Li, Y. Nakagawa, K. Tomishige
P-48	Oxidative pyrolysis of pinewood sawdust in a conical spouted bed reactor	<u>M. Amutio</u> , G. Lopez, M. Artetxe, A. Erkiaga, J. Alvarez, M. Olazar, J. Bilbao
P-49	Fe/olivine catalyst for steam reforming of 1-methylnaphthalene as tar model compound	<u>M. Virginie</u> , C. Courson, A. Kienemann
P-50	Catalytic pyrolysis of safflower seed cake	G. Duman, <u>M. Pala</u> , T. Uysal, J. Yanik
P-51	Synthesis gas production via hybrid steam reforming of pyrolysis oil and methane: evaluation of primary reforming catalyst	<u>R.P.B. Ramachandran</u> , J.A. Medrano Catalan, G. van Rossum, W.P.M van Swaaij, K. Seshan, S.R.A. Kersten
P-52	Catalytic esterification of bio-liquid from intermediate pyrolysis of Miscanthus	R. Wnetrzak, F. Melligan, Y. Liu, B.M. Nagaraja, M.H.B. Hayes, J.J. Leahy, <u>W. Kwapinski</u>
P-53	ITQ-2 zeolite as effective support for the preparation of bioethanol steam reforming catalysts	<u>A. Chica</u> , S. Sayas
P-54	Transformation of bioethanol into hydrogen by reforming using Co/SBA-15 catalysts: effect of the incorporation of Zr, Ce and La	A. Carrero, J.A. Calles, <u>A.J. Vizcaíno</u>
P-55	Stability and regenerability of Ni/La ₂ O ₃ -Al ₂ O ₃ , Ni/SiO ₂ and Co/ZnO catalysts in the ethanol steam reforming for H ₂ production	<u>J. Vicente</u> , L. Oar-Arteta, J. Ereña, A.G. Gayubo, J. Bilbao
P-56	Thermodynamic analysis of the gas-phase glycerol reforming	<u>C.E. Figueira</u> , L.L. Gomes Reis, R.R. Soares
P-57	Pt bimetallic catalysts for H ₂ production by aqueous phase reforming of bioglycerol	M. El Doukkali, A. Iriondo, <u>J. Requies</u> , J.F. Cambra, P.L. Arias
P-58	Comparison between conventional and structured catalyst in the steam reforming of glycerol	L.F. Bobadilla, A. Álvarez, M.I. Domínguez, F. Romero-Sarria, M. Montes, M.A. Centeno, <u>J.A. Odriozola</u>
P-59	Hydrogen production by glycerol steam reforming: thermal and catalytic effect	<u>L.M. Martínez</u> , M. Araque, J.C. Vargas, A.C. Roger

P-60	Steam reforming of glycerol on ceria-zirconia supported catalysts	<u>M. Cichy</u> , T. Borowieck
P-61	Partial oxidation of methane over NiO-MgO-ZrO ₂ catalysts	Y.J.O. Asencios, A.F. Lucrédio, <u>E.M. Assaf</u>
P-62	Ni and NiLa catalysts for conversion of a model biogas on: effect of Rh addition.	A.F. Lucrédio, J.M. Assaf, <u>E.M. Assaf</u>
P-63	Hydrogen production through Aqueous phase Reforming over ordered mesoporous carbon supported platinum catalysts	H.D. Kim, <u>K.E. Jeong</u> , T.W. Kim, H.J. Chae, S.Y. Jeong, Y.M. Chung, C.H. Lee, Y.-H. Kim, C.U. Kim
P-64	Preparation of Ru/GTDC for internal steam reforming anodes in solid oxide fuel cell	R. Innocenti Vieira da Silva, A. Alvarez Moreno, L. Bobadilla Baladron, W.Y. Hernández Enciso, M.A. Centeno, J.A. Odriozola, <u>M.J. Saeki</u>
P-65	High loaded supported Fe catalysts for biosyngas conversion: effect of support, diluting materials and preparation procedures	<u>C. Pirola</u> , A. di Fronzo, D.C. Boffito, S. Vitali, A. di Michele, C.L. Bianchi
P-66	Fischer-Tropsch biomass to liquids. Effect of Li, Na, K and Ca on Cobalt catalysts	<u>A. Lillebø</u> , C. Balonek, S. Rane, E. Rytter, E. Blekkan, A. Holmen
P-67	Comparison of conventional gas phase, liquid phase and supercritical phase Fischer-Tropsch synthesis from bio-syngas	<u>C.U. Kim</u> , K.E. Jeong, T.W. Kim, H.J. Chae, S.Y. Jeong, S.B. Lee, K.W. Jun, J. Han, B. Jeong
P-68	Kinetic study of methanol dehydration on carbon-based acid catalysts	<u>M.J. Valero-Romero</u> , J. Bedia, J. Rodríguez-Mirasol, T. Cordero
P-69	Catalytic effects of ZrO ₂ and TiO ₂ in Cu-ZnO catalysts for methanol synthesis from biomass-derived CO ₂ /H ₂ mixtures	<u>R.M. Ladera</u> , J.M. González-Carballo, F.J. Perez-Alonso, S. Rojas, M. Ojeda, J.L.G. Fierro
P-70	Seaweed biorefinery: towards third generation biofuels and biobased commodity chemicals	<u>R.J.H. Grisel</u> , J.W. van Hal, J.W. Wouter, J.J. Huijgen, J.H. Reith
P-71	Novel catalyst development for the decarboxylation of amino acids to produce industrial chemicals	<u>G.J.S. Dawes</u> , E.L. Scott, L. Lefferts, J.P.M. Sanders
P-72	Furfural production from xylose using sulfonic ion-exchange resins (Amberlyst) and simultaneous stripping with nitrogen	<u>I. Agirrezabal-Telleria</u> , J. Requies, M.B. Güemez, P.L. Arias

P-73	Dehydration of xylose into furfural over niobium-containing MCM-41 silica catalysts	<u>C. García-Sancho</u> , I. Sádaba, R. Moreno-Tost, J. Santamaría-González, P. Maireles-Torres, M. López-Granados
P-74	Aluminosilicates and silicoaluminophosphates as catalysts for the production of furfural	<u>M.M. Antunes</u> , S. Lima, A. Fernandes, M. Pillinger, F. Ribeiro, A.A. Valente
P-75	Hydrothermal cellulose depolymerisation promoted by tungsten based heterogeneous catalysis	A. Cabiac, F. Chambon, F. Rataboul, <u>C. Pinel</u> , E. Guillon, N. Essayem
P-76	New transition metal phosphide synthesis using phosphite precursors – catalytic Application on the hydrodeoxygenation of 2-methyltetrahydrofuran	<u>J.A. Cecilia</u> , P. Buib, H. Zhao, D. Li, S.T. Oyama, A. Infantes-Molina, E. Rodríguez-Castellón, A. Jiménez-López
P-77	The role of functional groups of the support in the performance of Ru/C catalysts for hydrogenolysis of saccharose	<u>C. Zanutelo</u> , A.J. Gomez Cobo
P-78	Selective hydrogenation of biomass-derived compounds by metallic colloidal suspensions stabilized by water-soluble protective agents	R. Herbois, S. Noël, <u>B. Léger</u> , A. Ponchel, E. Monflier
P-79	Heteropolyacids immobilized on silica as catalysts for esterification reaction of levulinic acid with ethanol	G. Pasquale, K. Igal, G. Romanelli, P. Vázquez, <u>G. Baronetti</u>
P-80	Analysis of the composition of solid residues of cellulose pyrolysis by time-of-flight secondary ion mass spectrometry (ToF-SIMS)	<u>J. Grams</u> , J. Matras, M. Niewiadomski, A. Ruppert, J. Kałużna-Czaplińska, M. Jędrzejczyk
P-81	Glycerol: solvent for the synthesis of 5-hydroxymethylfurfural	A. Benguerba, J. Barrault, F. Jérôme, <u>K. de Oliveira Vigier</u>
P-82	HMF oxidation with vanadia supported on zeolites: the search for a non-leaching and recyclable catalyst.	<u>I. Sádaba</u> , Y.Y. Gorbanev, S.S.R. Putluru, M. López Granados, A. Riisager
P-83	Heterogeneously catalyzed production of furans from renewable resources	<u>J. Forstner</u> , G. Unkelbach, V. Zöllner, K. Flick, R. Schweppe
P-84	Solid catalysts for dehydration and subsequent aldol condensation of sugars to biomass-based fuel molecules	<u>K. Pupovac</u> , R. Palkovits
P-85	Highly efficient MoO ₃ -Fe ₂ (MoO ₄) ₃ catalyst for the production of 1,1-dimethoxymethane and 1,1-diethoxyethane from bio-sourced alcohols	<u>K.A. Thavornprasert</u> , G. Tesquet, M. Capron, L. Jalowiecki-Duhamel, J.L. Dubois, F. Dumeignil

P-86	Transformation of sorbitol: impact of the aqueous medium on Pt/SiO ₂ -Al ₂ O ₃ catalyst stability	<u>L. Vilcocq</u> , A. Cabiac, C. Especel, S. Lacombe, D. Duprez
P-87	Isosorbide etherification with isobutene and tert-butanol for biofuel production	<u>M. Rose</u> , R. Palkovits
P-88	Furfural - a green chemistry dilemma	R. Karinen, M. Ukkonen, K. Vilonen, <u>M. Niemelä</u>
P-89	Selective oxidation of furfural to maleic anhydride with vanadium-based catalysts	<u>N. Alonso-Fagúndez</u> , M. López Granados, R. Mariscal, M. Ojeda
P-90	Saccharification of cellulose using solid acid catalysts	<u>R.J.H. Grisel</u> , A.T. Smit
P-91	Oxidation of lignin by TiO ₂ and polyoxometalated photocatalysts: a versatile method to obtain low molecular weight derivatives	L. Tonucci, F. Coccia, M. Bressan, <u>N. d'Alessandro</u>
P-92	High glucose yields from the hydrolysis of cellulose dissolved in ionic liquids	<u>S. Morales-de la Rosa</u> , J.M. Campos-Martin, J.L.G. Fierro
P-93	Production of useful chemicals from lignin by two-step process consisting of depolymerization and catalytic cracking	<u>T. Yoshikawa</u> , T. Yagi, T. Fukunaga, T. Tago, T. Masuda
P-94	Selective ketones production from biomass-derived slurry liquid using ZrO ₂ -FeO _x catalyst	<u>T. Tago</u> , S. Funai, T. Yoshikawa, D. Mansur, T. Masuda
P-95	One-pot liquid-phase catalytic conversion of bio-ethanol to bio-butanol	<u>T. Rittonen</u> , J.-P. Mikkola
P-96	Selective reduction of acetic acid over Cu and Cu ₂ In nanoclusters supported on destructed zeolites	<u>S. Harnos</u> , G. Onyestyák, R. Barthos, Z. Károly, J. Valyon
P-97	Phosphotungstic acid supported on SiO ₂ catalysts, alpha-pinene dimerization	N.A. Comelli, M.C. Avila, L.M. Grzona, E. Rodríguez-Castellón, A. Jiménez-López, <u>M.I. Ponzi</u>
P-98	CO ₂ reactivity over Ni/Ce/Mg/Al Hydrotalcites systems Derived Catalysts	B. Djebbari, V.M. Gonzalez-Delacruz, K. Bacharri, A. Saadi, O. Cherifi, A. Caballero, J.P. Holgado, <u>D. Halliche</u>
P-99	Vanadium and copper complexes of biomimetic hydrazone ligands: Synthesis, spectroscopic studies and catalytic activity in oxidation of several hydrocarbons	<u>N. Asghari Lalami</u> , H. Hosseini Monfared

P-100	Production of biofuels from cellulose and corn stover using alkylphenol solvents	<u>D. Martin Alonso</u> , S.G. Wettstein, J.Q. Bond, T.W. Root, J.A. Dumesic
P-101	Simulation of a conventional biodiesel plant that uses the homogeneous basic catalyzed process	F. Garcia Herruzo, J.M. Paz García, A. García Rubio, M.C. Rey Merchán, C. Gómez Lahoz, <u>C. Vereda Alonso</u> , J.M. Rodríguez Maroto
