

## Poster Papers I: P1-P25

Monday, June 4, 2012

- P1** **L.J. Abbott**, K.E. Hart, C.M. Colina  
*Insight into the Porosity of Organic Molecules of Intrinsic Microporosity via Molecular Simulations*
- P2** **A. Andicsova**, F. Galeotti, C. Botta  
*Precise Design Surface of Silk Fibroin Film by Breath Figures*
- P3** **M. Babič**, P. Kokol, M. Milfelner, P. Panjan, J. Babič  
*Fractal Geometry and Porosity*
- P4** **M. Babič**, P. Kokol, M. Milfelner, P. Panjan, S. Babič  
*Use Fractal Dimension to Describe Porosity of Inductive Hardening Specimens*
- P5** **C. Boyère**, A. Favrelle, A. Léonard, J.-P. Pirard, M. Paquot, C. Jérôme, A. Debuigne  
*Use of Glycosurfactants for the Synthesis of PolyHIPES in Supercritical Carbon Dioxide*
- P6** **L. Brabec**, P. Sysel, A. Zikánová, O. Prokopová, P. Hrabánek, M. Kočiřík  
*Preparation of Porous Polyimide Layers by Electrophoretic Deposition of Polyamic Acid Particles on Solid Supports*
- P7** G.A. Mannella, V. La Carrubba, **V. Brucato**  
*Cloud Point Measurements in Membrane Forming Systems*
- P8** **L.-I. Buruiana**, E. Avram, A. Popa, I. Stoica, S. Ioan  
*Effect of Pendant Groups on Surface Morphology of New Quaternized Polysulfones*
- P9** **K. Charradi**, Z. Ahmed, Z. Beji, R. Chtourou  
*Performance of Modified SPEEK Membrane by Inorganic Nanocomposite for Fuel Cell*
- P10** R. Hammami, Z. Ahamed, **K. Charradi**, Z. Beji, I. Ben Assker, J. Ben naceur, B. Auvity, G. Squadrito, R. Chtourou  
*Hybrid Polymer Electrolytes Nafion-TiO<sub>2</sub> for PEMFCs: Synthesis and Characterization*
- P11** **S. Chisca**, I. Sava, M. Bruma  
*An Easy Method for Preparation of Porous Polyimide Films*
- P12** L. R. Hepowit, **H. W. Cho**, B. Z. Poliquit, S. H. Kim, Y. M. Lee, J. M. Ko  
*Fabrication of Electrochemically Enhanced Separators Coated with Al<sub>2</sub>O<sub>3</sub> Nanoparticles/Poly(2-Acrylamido-2-Methyl-1-Propanesulfonic Acid) (PAMPS) for Lithium-Ion Batteries*
- P13** **I. Cojocar**, D. Prodan, S. Boboia, M. Moldovan  
*The Characteristics of a PMMA-Chitosan-Hydroxyapatite Cement*
- P14** **C.-P. Constantin**, M.-D. Damaceanu, R.-D. Rusu, M. Bruma  
*Polyperyleneimides Containing Oxadiazole and Siloxane Units for Light-Emitting Diodes*
- P15** R. Santillán, E. Nives, P. Alejandro, J.M. Del Rio, **M. Coreia**  
*Synthesis and Thermodynamic Evaluation of Homogeneous Highly Carboxylated Latex*
- P16** **M. Didsbury**, D.W. Johnson, E. Lovelady, S. Caldwell, S.A. Przyborski, N.R. Cameron  
*PolyHIPE's Based on Photo-“Click” Thiol-ene Chemistry*

- P17** **A.M. Dobos**, M.-D. Onofrei, N. Olaru, L. Olaru, S. Ioan  
*Rheological and Morphological Properties of Cellulose Acetate Phthalate/Hydroxypropyl Cellulose Blends*
- P18** **H. Duran**, H.K. Aaron Lau, W. Knoll, M. Steinhart  
*Porous Functional Polypeptide Fibers by Template Assisted Synthesis*
- P19** **G.K. Elyashevich**, M.M. Smirnov, N.V. Bobrova, V. Bukosek  
*New Templated Hydrophilic/Hydrophobic Material: Polyacrylic Acid Hydrogels on Porous Polyethylene Films*
- P20** A. Baggioli, A. Buono, **A. Famulari**, S.V. Meille  
*2,3-Exo-Disyndiotactic Polynorbornene: A Crystalline Polymer with Tubular Helical Molecular Structure*
- P21** **A. Filimon**, E. Avram, S. Ioan  
*Correlation between Biomedical and Hydrophobic Characteristics of Some Quaternized Polysulfones*
- P22** B. Podkoscielna, **B. Gawdzik**, A. Bartnicki  
*New Crosslinked Hydrogels Derivatives of 2-Hydroxyethyl Methacrylate – Synthesis, Modifications and Sorptive Properties*
- P23** R. Majdoub, **D. Grande**  
*Novel Functionalized Nanoporous Materials Derived From Semi-Degradable Diblock Copolymers and IPNs*
- P24** K. Gusakova, O. Starostenko, A. Fainleib, O. Grigoryeva, A. Serghei, G. Boiteux, E. Espuche, B. Youssef, J.-M. Saiter, **D. Grande**  
*Nanoporous Polycyanurate-Based Thermosetting Film Materials: Structure-Property Relationships*
- P25** O. Purikova, A. Fainleib, O. Gricoryeva, A. Bismark, **D. Grande**  
*Some Insights into the Morphology and Thermal Properties of Novel PolyHIPES Based on Polystyrene/Polycyanurate IPNs*

**Poster Papers II: P26-P50**

**Tuesday, June 5, 2012**

- P26 F. Guo**, L. Schulte, M.E. Vigild, S. Ndoni  
*Load-Release of Big Molecules from Elastomers with Reversible Gyroid Mesoporosity*
- P27 S. Gustaite**, I. Survilaite, J. Liesiene  
*Coating of Macroporous Silica with Poly(Vinyl Alcohol) Derivatives*
- P28 J. Kazlauske**, K. Kavaliauskaite, **S. Gustaite**, J. Liesiene  
*Macroporous Cellulose Adsorbent for Sorption of Bile Acids*
- P29 K.E. Hart**, L.J. Abbot, R. Taylor, N.B. McKeown, C.M. Colina  
*Predictive Modeling of Sulphur-Containing Polymers of Intrinsic Microporosity*
- P30 S. Ioan**, C. Hulubei, S.-L. Nica  
*Surface Properties of Some Complex Polymer Blends Containing Alicyclic Structures*
- P31 S. Itsuno**, Y. Hashimoto, H. Sugie, N. Haraguchi  
*Polymer Design for Asymmetric Catalyst Immobilization*
- P32 Q. Jiang**, A. Menner, A. Bismark  
*Macroporous Polymer Films Prepared via Emulsion Printing*
- P33 G.M. Joshi**, T.M. Cuberes  
*Molecular Weight, Porosity: View of Electronic, Electrical and Electromagnetic Detector Applications*
- P34 D. Juhre**, R. Raghunath  
*A New Material Model for Cellular Elastomers Considering Void Volume Fraction*
- P35 D.I. Kamalova**, E.R. Shaymukhametova, A.B. Remizov  
*Influence of Impregnation with Supercritical CO<sub>2</sub> on Secondary Relaxation Transitions in Porous Polymers: FTIR Spectroscopic Study*
- P36 V.B. Konsulov**, G. H. Yakub, A.A. Lyapova, G.K. Kostov  
*Theophylline and Etofylline – Imprinted Functional Copolymers of N-Vinylimidazole with Methacrylic Acid*
- P37 M. Kozlowski**  
*Porous Polyolefins and Polyolefin Composites*
- P38 S. Mahouche-Chergui**, Y. Grohens, E. Balnois, B. Lebeau, Y. Scudeller  
*Design of Mesoporous Silica/Microfibrillated Cellulose Hybrids-Based Aerogels*
- P39 S. Mehdipour-Ataei**, E. Aram  
*Thermally Stable, Low Dielectric Constant Polyimide and Related Nanoporous Foams*
- P40 E. Hilal Mert**, H. Yildirim, **B. Kekevi**  
*Magnetic Responsible Macroporous Polymers via Emulsion Templating*
- P41 J. Michalek**, J. Sirc, R. Hobzova, M. Pradny  
*Porous Polymer Systems for Biomedical Use and Their Morphological Characterization*
- P42 S. Michalowski**, K. Pielichowski, O. Kazmina  
*Rigid Polyurethane Foams Modified with Nanostructured Foam Glass Crystal Material*

- P43 V.J. Mokale**, S. Mishra, J.B. Naik, N.G. Shimpi  
*Formulation of Sustained Release Drug Delivery System for Glimepiride Poly(Lactic Acid) Loaded Nanoparticles*
- P44 M. Paljevac**, P. Krajnc  
*2-Hydroxyethyl Methacrylate Based PolyHIPEs*
- P45 O. Petrauskaite**, M. Jaraminaite, J. Liesiene  
*Porous Cellulose Matrix for Bone Tissue Engineering*
- P46 G. del C. Pizarro**, O.G. Marambio, M. Jeria-orell, D.T. Valdés, K.E. Geckeler  
*Self-Assembled Nanostructures: Preparation, Characterization and Morphological and Thermal Characteristics of Amphiphilic Diblock Copolymers Based on Poly(2-Hydroxyethyl Methacrylate-Block-N-Phenylmaleimide)*
- P47 B. Podkoscielna**, B. Gawdzik, A. Bartnicki  
*Study of Porous Structure of Sulfur-Containing Microspheres*
- P48 B. Podkoscielna**, B. Gawdzik, A. Bartnicki  
*Chemical Modification of Porous Polymeric Microspheres*
- P49 E. Preis**, U. Scherf, J. Schmidt, A. Thomas  
*Aromatic, Microporous Polymer Networks with High Surface Area Generated in Friedel-Crafts-Type Polycondensation*
- P50 I.G. Ramos**, E.R. Kedor-Hackmann, H.M.C. Andrade, A.J. Mascarenhas, C.O. Souza, J.I. Druzian  
*“Kinetics of Diclofenac Sorption in Colestyramine Resin”*

**Poster Papers III: P51-P73**

**Wednesday, June 6, 2012**

- P51 E. Rangel R.**, E.M. Maya, F. Sánchez, J. De Abajo, A.E. Lozano, J.G. De la Campa  
*Synthesis of Amino Functionalized Porous Polyimides Based on Perylene Dianhydrides*
- P52 B. Ozsoy**, U. Saim Gunay, H. Durmax, G. Hizal, U. Tunca  
*Synthesis of Y-Shaped Graft Copolymer via Triple Click Reactions*
- P53 B. Roullier**, K.L. Sedransk, A. Wills, A.C. Fisher  
*Controlling the Self-Assembling Structure of Block Copolymer Thin Films*
- P54 P. Escale**, C. Giraudet, M. Save, C. Derail, L. Billon, **L. Rubatat**  
*Hierarchically Structured Polymeric Porous Films. A Substrate for the Investigation of Adhesion and Wettability*
- P55 D. Sara**, U. S. Gunay, H. Durmax, G. Hizal, U. Tunca  
*Synthesis of an H-Shaped Terpolymer (PEG)(PCL)-PS-(PCL), via Triple Click Reactions*
- P56 L. Schulte**, L. Li, S. Ndoni  
*Gyroid Nanoporous Membranes with Varying Permeability*
- P57 J. Sedláček**, H. Balcar, A. Zukał, E. Slováková, O. Trhlíková  
*Polyacetylene-Type Networks Prepared by Rhodium Catalysed Polymerization of Diethynylarenes: New Type of Conjugated Microporous Polymers*
- P58 T. Sen**, N. G. Shimpi, S. Mishra  
*Symbiotic Effect of Sonochemically Synthesized Polyaniline/Fe<sub>2</sub>O<sub>3</sub> Nanocomposite for Room Temperature Gas Sensing*
- P59 A. Serafim**, D.-M. Dragusin, D.-S. Vasilescu, I.-C. Stancu  
*New Gelatin-Alginate-Polyacrylamide Porous Scaffolds for Tissue Engineering Applications*
- P60 U. Sevšek**, P. Krajnc  
*Thiol-Ene Click Functionalizations of Poly(HIPE)s*
- P61 D. I. Kamalova**, **E.R. Shaymukhametova**  
*Local Molecular Dynamics in Glassy Polyvinylbutyral: Conformational Probes Method Combined with Genetic Algorithm for Treatment of FTIR Spectra*
- P62 N. Shomrat**, Y. Cohen, R. Tannenbaum  
*Design of Porous Polyethylene Membrane by Multilayer Deposition as a Groundwork for Lateral Flow Biosensor*
- P63 A. Serafim**, D.-M. Dragusin, E. Vasile, **I.-C. Stancu**  
*Gold-Dendrimer Nanoparticles Hybrids as Surface Nanostructuring Elements*
- P64 M.P. Tsyurupa**, T.A. Babushkina, V.V. Novikov, T.P. Klimova, Z.K. Blinnikova, V.A. Davankov  
*Water Dynamics in the Nanopores of Hypercrosslinked Polymers by NMR Relaxometry and Diffusion*
- P65 M. Turnšek**, S. Kovačič, P. Krajnc  
*N-Isopropylacrylamide Based Bicontinuous PolyHIPEs*

- P66 V.F. Uryash**, I.N. Kalashnikov, N.Yu. Kokurina, V.N. Larina, S.V. Chuprova  
*The Glass Transition Temperature and Thermodynamic Characteristics of Anhydrous Polymethacrylic Acid – Base Component Microporous Copolymers for Transdermal Therapeutic System*
- P67 E. Verde-Sesto**, M. Pintado-Sierra, E.M. Maya, F. Sánchez, J. G. De La Campa, J. De Abajo, Á. Lozano  
*Synthesis of Functionalized Polymer Aromatic Frameworks (PAFs) Assisted by Microwave from a New Monomer*
- P68 A. Wilke**, J. Weber  
*Hydrogels of Reversible Mesoporosity – Insight into the Pore Collapse Phenomenon*
- P69 M. Yavuzarslan**, N. Cakir, H. Durmax, G. Hizal, U. Tunca  
*Synthesis of Heterograft Copolymers via Triple Click Reactions*
- P70 B. Z. L. Poliquit, C. Yeom**, L. R. Hepowit, S. H. Kim, Y. M. Lee, J. M. Ko  
*PEGDA-Based Gel Electrolyte Coated on Porous Separator for Li-Ion Battery*
- P71 Y. Zhao**, H. Wang, Y. Li, X. Zhu, M. Möller  
*Preparation of All-Silica Colloidosomes via an Interfacial Sol-Gel Reaction*
- P72 A. Zukal**, H. Balcar, J. Sedláček, E. Slováková  
*Microporous Polyacetylene-Type Polymers: Adsorption of Nitrogen, Hydrogel, Carbon Dioxide and Cyclopentane*
- P73 F. Elwinger, C. Hellman Edman, E. Lindh, E. Brekkan, J.B.S. Ng**  
*An HR-MAS NMR Method for Measuring Ligand Concentration in Polymeric Chromatography Particles*