

LIST OF POSTERS

SESSION 2, TUESDAY, JUNE 28, 2016, 8:30–10:30

POSTERS No. 68-133

68. Effect of plasticizer on the structure and mechanical properties of polylactid acid/thermoplastic starch blends; *Agnieszka Szadkowska, Regina Jeziórska, Maciej Studziński*
69. Vanadium SIL catalyst for ethylene-norbornene copolymerization; *Anna Bihun, Wioletta Ochędzan-Siodlak*
70. Influence of bistriflimide anion on properties of ionic polymethacrylates; *Rafał Bielas, Dorota Neugebauer*
71. Gas transport in mixed-matrix membranes containing MFI zeolite; *Piotr Kubica, Aleksandra Wolińska-Grabczyk, Andrzej Jankowski*
72. The study of ethanol-water vapour permeation through alginate/hydroxyethylcellulose blended membranes; *Małgorzata Gnus, Gabriela Dudek, Anna Strzelewicz, Roman Turczyn, Monika Krasowska*
73. Description of diffusion on two-dimensional structure of magnetic mixed matrix membranes basing on lery process; *Monika Krasowska, Anna Strzelewicz, Gabriela Dudek, Małgorzata Gnus, Aleksandra Rybak, Michał Cieśla*
74. Photopolymerization temperature studies in acrylate based compositions using Fluorescence Probe Technique; *Iwona Kamińska-Borek, Joanna Ortyl, Roman Popielarz*
75. Interactions of hyaluronic acid derivatives with lipid membrane; *Urszula Kwolek, Bartłomiej Kozik, Jan Bednar, Maria Nowakowska, Mariusz Kępczyński*
76. Preparation and *in vitro* biocompatibility study of statistical copolymers of 2-ethyl-2-oxazoline and 2-(4-alkyloxyphenyl)-2-oxazolines; *Juraj Kronek, Zuzana Kroneková, Nadežda Petrenčíková, Jana Tulinská, Aurélia Lišková, Miroslava Kuricová, Ivo Vávra, Fedor Čiampor, Mária Dušinská*
77. Nanocatalyst loaded polymer microcapsules prepared by micellization of triblock copolymers for catalytic applications; *Marcin Libera, Katarzyna Bednarczyk, Andriy Horechyy, Peter Formanek, Andrzej Dworak, Manfred Stamm*
78. Mixed PIPOX/PNIPAM mesoglobules as cores of thermoresponsive nanoparticles; *Barbara Trzebicka, Emi Haladjova, Łukasz Otulakowski, Natalia Oleszko, Wojciech Wałach, Marcin Libera, Stanislav Rangelov, Andrzej Dworak*
79. Multifunctional block copolymer nanocarriers for co-delivery of silver nanoparticles and curcumin; *Petar D. Petrov, Krassimira Yoncheva, Valeria Gancheva, Spiro Konstantinov, Barbara Trzebicka*
80. Towards γ-polyglutamic acid-coated vectors for effective and safe biomedical applications; *Ibrahim Khalil, Iza Radecka, Alan Burns, Marek Kowalczuk, Martin Khechara*
81. Conjugation of opioid growth factor with thermoresponsive POEGMAs – route to nanocarriers; *Dominik Kosowski, Łukasz Otulakowski, Róża Szweda, Dawid Szweda, Justyna Hertlein, Emi Haladjova, Andrzej Dworak, Barbara Trzebicka*
82. Self-organized semi-synthetic polysaccharide nanoparticles for piroxicam delivery; *Agnieszka Kaczyńska, Dorota Lachowicz, Anna Karewicz, Maria Nowakowska, Andrzej Bernasik*
83. Nucleic acid carriers based on star polymers; *B. Mendrek, I. Żymelka-Miara, Ł. Sieroń, B. Trzebicka, A. L. Sieroń, A. Dworak, A. Kowalczuk*
84. Synthesis of GMA-EGDMA polymeric microspheres by one-step swelling and polymerization method; *Przemysław Pączkowski, Marta Grochowicz, Barbara Gawdzik*
85. Novel polymeric materials as inhibitors of herpes simplex virus (HSV-1); *Katarzyna Kłysik, Magdalena Pachota, Krzysztof Pyrc, Krzysztof Szczubiałka, Maria Nowakowska*
86. Polymer capsules formed on liquid cores; *Joanna Odrobińska, Joanna Szafraniec, Szczepan Zapotoczny*
87. Preparation and physicochemical characterization of novel polyglycidol stabilized phospholipid nanodiscs designed for retinal delivery of transmembrane protein – Bestrophin-1; *Pavel Bakardzhiev, Stanislav Rangelov*
88. Antibacterial properties of star poly(N,N'-dimethylaminoethyl methacrylate)s; *P. Binkiewicz, I. Żymelka-Miara, I. Stachurek, A. Utrata-Wesołek, B. Mendrek, A. Kowalczuk*
89. Alginate/HPC microparticulate system for controlled release of dexamethasone phosphate; *Agnieszka Rojewska, Marta Baster, Anna Karewicz, Szczepan Zapotoczny, Maria Nowakowska*
90. Study on the influence of polymeric species on RBC suspensions; *Violeta Mitova, Agnieszka Kowalczuk, Nadia Antonova, Neli Koseva*
91. Functionalized polysulfobetaine for protein conjugation; *Violeta Mitova, Ivelina Tsacheva, Pavletta Shestakova, Radostina Aleksandrova, Neli Koseva*
92. Magnetite nanoparticles coated with chitosan and poly (acrylic acid) blends for biomedical applications; *Katarzyna Węgrzynowska-Drzymalska, Dorota Chelminiak, Marta Ziegler-Borowska, Halina Kaczmarek*
93. Multidrug PLA-PEG filomicelles for concurrent delivery of anticancer drugs – the influence of drug-drug and drug-polymer interactions on drug loading and release properties; *Katarzyna Jelonek, Suming Li, Bożena Kaczmarczyk, Andrzej Marcinkowski, Arkadiusz Orchel, Monika Musiał-Kulik, Janusz Kasperczyk*
94. Thermoresponsive nanocarrier of anticancer drug; *A. Dworak, D. Lipowska, D. Szweda, J. Suwiński, B. Trzebicka, R. Szweda*
95. Novel cationic derivatives of cyclodextrins as potential delivery systems of flavonoids; *Iwona Gawlik, Anna Jekielek, Anna Niziołek, Kamil Kamiński, Krzysztof Szczubiałka, Maria Nowakowska*
96. Polylactide stereocomplex microspheres containing metal ions; *Edyta Wojtczak, Melania Bednarek*
97. Synthesis of biodegradable carriers based on copolymer PLGA-PEG-PLGA for controlled release system of pesticides; *Piotr Rychter, Kamila Lewicka, Diana Rogacz, Piotr Dobrzyński*
98. Investigations of self-assembled miktostar carriers for anticancer agents; *Anna Mielańczyk, Sebastian Grządka, Justyna Odrobińska, Dorota Neugebauer*
99. Preparation and characterization of polyelectrolyte microcapsules stabilized by carbon nanotubes; *Karolina Chojnacka-Górka, Anna Rozpędzik, Szczepan Zapotoczny*
100. Hybrid polyplexes loaded with gold nanoparticles as new gene delivery vector systems; *Emi Haladjova, Grigoris Mountrichas, Stergios Pispas, Stanislav Rangelov*
101. Thermo-responsive PMEO2MA hydrogels as drug delivery systems – thermal properties; *K. Piechocki, M. N. Olejniczak, A. Adamus, R.A. Wach, M. Kozanecki*
102. Enzymatic synthesis of multiblock copolymers based on poly(butylene succinate) and dilinoleic diol for heart tissue scaffolds; *Agueda Sonseca, Mirosława El Fray*
103. Interactions of piroxicam with liposomes; *Natalia Szydłowska, Małgorzata Cyza, Mariusz Kępczyński, Maria Nowakowska*
104. Self-organization and solubilization properties of gemini hydrotropic compounds in aqueous solution; *Julia Woch, Zofia Hordyjewicz-Baran, Edyta Kuliszewska, Aleksandra Cegielska, Łukasz Otulakowski, Barbara Trzebicka*
105. Mesoporous silica particles with grafted PNIPAM brushes as smart photochemical nanoreactors; *Andrzej Baliś, Karol Wolski, Szczepan Zapotoczny*
106. Thermo-responsive PMEO2MA hydrogels as drug delivery systems – swelling properties and partition coefficients; *Magdalena N. Olejniczak, Krzysztof Piechocki, Klaudia Szymańska, Anita Gostyńska, Marcin Kozanecki*
107. Polymersomes with polar membranes obtained by mixing of oppositely charged diblock polyelectrolytes; *Maria Zatorska, Urszula Kwolek, Keita Nakai, Jan Bednar, Shin-ichi Yusa, Mariusz Kępczyński*
108. Functionalization of carbon materials with different degree of structural order; *B. Kumanek, U. Szeluga, S. Pusz, J. Kubacki, B. Trzebicka, A. Borowski, O. Maruzhenko*
109. Cross-linked epoxy/phenol formaldehyde system as a precursor to porous carbon materials; *U. Szeluga, B. Kumanek, S. Pusz, B. Trzebicka*
110. Polyoxazoline surfaces for dermal fibroblast adhesion and detachment; *Natalia Oleszko, Wojciech Wałach, Alicja Utrata-Wesołek, Agnieszka Kowalczuk, Barbara Trzebicka, Andrzej Dworak*
111. Thin layer polymer films with embedded polyoxometalate molybdenum-oxide based particles; *Emilia Lange, Karolina Chojnacka-Górka, Szczepan Zapotoczny*
112. *In situ* characterization of photoactive polymer brushes via quartz crystal microbalance; *Zuzanna Grunwald, Agata Pomorska, Karol Wolski, Michał Szuwarzyński*
113. Thermoresponsive poly[tri(ethylene glycol) monoethyl ether methacrylate]-peptide surfaces obtained by radiation grafting – synthesis and characterization; *A. Adamus, J. Komasa, S. Kadłubowski, P. Ulański, J. M. Rosiak, M. Kawecki, A. Klama-Baryła, M. Nowak, J. Glik, D. Kitala, W. Łabuś, A. Dworak, B. Trzebicka, R. Szweda*
114. The influence of initiator grafting density on the initiation efficiency in polymer-silica hybrids systems synthesised by SI ATRP; *Magdalena Ciekarska, Joanna Pietrasik*
115. Relationships between chemical composition and surface properties of silicone resins obtained by emulsion polymerization of silicone monomers; *Izabela Ofat-Kawalec, Joanna Trzaskowska, Janusz Kozakiewicz, Izabella Legocka, Konrad Żurawski*
116. Surfaces of reduced protein adsorption by multiple and terminal grafting of linear polyglycidol; *A. Utrata-Wesołek, W. Wałach, J. Anioł, A. L. Sieroń, A. Dworak*
117. Influence of poly[tri(ethylene glycol) ethyl ether methacrylate] surface properties for cell adhesion and detachment; *M. Bochenek, D. Szweda, A. Utrata-Wesołek, A. Klama-Baryła, B. Trzebicka, A. Dworak*
118. Relation between aspect ratio of hydrophilic ellipsoidal particles and arrangement on solid surfaces; *Teresa Basinska, Patrycja Komar, Monika Gosecka, Stanisław Słomkowski*
119. Thin polymeric film with low glass transition temperature based on charged polysiloxanes; *Agnieszka Puciul-Malinowska, Szczepan Zapotoczny*
120. Fibroblasts culturing on thermoresponsive star surfaces; *I. Żymelka-Miara, B. Mendrek, B. Trzebicka, A. L. Sieroń, A. Dworak, A. Kowalczuk*
121. Zinc oxide nanocrystalline films as a substrate for functional polymer brushes; *Aleksandra Cebzat, Agata Pomorska*
122. Characterization of photoactive polymer brushes with phthalocyanine groups; *Mateusz Wróbel, Karol Wolski, Michał Szuwarzyński*
123. Surface modification of nanofibrillated cellulose with butyric anhydride for polyamide 6.10 bionanocomposites; *Agnieszka Leszczyńska, Agnieszka Niedziela and Krzysztof Pielichowski*
124. The surface modifications of bionanocellulose and polydimethylsiloxane sheets – developing an innovative molecular dressings; *K. Guzdek, J. Lewandowska-Łańcucka, Sz. Zapotoczny, M. Nowakowska*
125. Electrochemistry and spectroelectrochemistry of compounds containing terthiophene and pyridine units; *Katarzyna Łaba, Przemysław Data, Mieczysław Łapkowski*
126. Modification of magnetic nanoparticles with chelating corona; *Agnieszka Z. Wilczewska, Karolina H. Markiewicz, Iwona Misztalewska*
127. Formation of ladder-like conductive polymer brushes via self-templating approach; *Karol Wolski, Anna Gruszkiewicz, Michał Szuwarzyński, Szczepan Zapotoczny*
128. Pyridine-based multifunctional monomers – key compounds for the synthesis of electronically conductive polyelectrolyte brushes; *Artur J. Wójcik, Karol Wolski, Michał Szuwarzyński, Szczepan Zapotoczny*
129. Conductive polythiophene-based brushes; *Anna Gruszkiewicz, Karol Wolski, Szczepan Zapotoczny*
130. Optical properties of phenylene-thiophene-based polyazomethines; *Paweł Nitschke, Bożena Jarzqbek*
131. Fluorinated polyimides toward optoelectronic applications; *Sonia Kotowicz, Eugenia Grabiec, Mariola Siwy, Marzena Grucela, Ewa Schab-Balcerzak*
132. Synthesis of photoluminescent epoxy resins derivatives of naphthalene-2,7-diol; *Beata Podkościelna, Andrzej Bartnicki, Barbara Gawdzik*
133. Fluorescence-labelled thermosensitive polymer brushes synthesized with use of Rhodamine 6G-modified ATRP initiator; *Katarzyna Budzalek, Marcin Kozanecki, Kamil Krysiak, Beata Nagorniewicz, Joanna Pietrasik, Wojciech Raj*