

CONTENTS

Chemistry

<i>Valentin Serheyev</i> Densities, Excess Volumes and Partial Molar Volumes of Lauryl Methacrylate Solutions in Some Organic Solvents	241
<i>Roman Kharchuk and Oleksandr Tymoshuk</i> Voltammetric Determination of Iridium in Alloys Using Xylenol Orange	245
<i>Petro Rydchuk, Olena Gritchenko, Dariya Semenyshyn and Oleksandr Tymoshuk</i> Voltammetric Determination of Rhodium by Means of Furan- Oxime Derivatives in Industrial Samples with Considerable Content of Palladium	249
<i>Yaroslav Vakhula, Khristina Besaga, Iryna Lutsyuk and Maria Dobrotvorska</i> Structural Investigations of Titanium(IV) Oxide Powder Doped with Sulphur	255
<i>Volodymyr Miziuk and Volodymyr Shibanov</i> Effect of Spectra Recording Conditions on the Example of Chemical Shifts Calculation in CMR Spectra of 1-Pentylbenzoylformate	259
<i>Evgenia Bila, Mykola Obushak, Maria Dzikovska and Christina Rybak</i> Reaction of Arenediazonium Chlorides and Sulfur(IV) Oxide with (2E,6E)-2,6-Dibenzylidenecyclohexanone and (2E,2'E)-3,3'-Benzene-1,4-diyl-bis(1-phenylprop-2-en-1-one)	269
<i>Raisa Biglova, Rimma Sultanova, Tagir Yangirov, Vladimir Dokichev and Gennady Zaikov</i> Cu(OAc) ₂ -2,4-Lut-ZnCl ₂ – Efficient Catalyst of Functionalization of Isobutylene Oligomers and 1,2- Polybutadiene with Methylidiazooacetate	273
<i>Vyacheslav Zhyznevskiy, Volodymyr Gumenetskiy, Olena Shyshchak and Yevhen Fedevych</i> The Use of Isobutyl Alcohol for Methacrylate Synthesis	277
<i>Vadim Barsky, Gennady Vlasov and Andriy Rudnitsky</i> Composition and Structure of Coal Organic Mass. 3. Dynamics of Coal Chemical Structure During Metamorphism	285
<i>Yuriy Medvedevskikh and Oksana Khavunko</i> Frictional and Elastic Components of the Viscosity of Polyesterene-Toluene Diluted Solutions	291
<i>Jan Pielichowski, Grzegorz Kowalski and Gennady Zaikov</i> Catalytic Activity of Polymer- Supported Cobalt(II) Catalysts in the Oxidation of Alkenes	303
<i>Deepali Kelkar and Ashish Chourasia</i> Structural Properties of Polythiophene Doped with FeCl ₃	309
<i>Firdous Habib and Madhu Bajpai</i> Synthesis and Characterization of Acrylated Epoxidized Soybean Oil for UV-Cured Coatings	317
<i>Nilay Gizli</i> Morphological Characterization of Cellulose Acetate Based Reverse Osmosis Membranes by Atomic Force Microscopy (AFM)- Effect of Evaporation Time	327
<i>Yulia Pankova, Alexandr Shchegolikhin, Alexey Iordanskii, Anna Zhulkina, Anatolii Ol'khov and Gennady Zaikov</i> The Characterization of Novel Biodegradable Blends Based on Polyhydroxybutyrate	333

Chemical Technology

<i>Lidiya Parashchuk, Viktoriia Kochubei and Yaroslav Yakymchko</i> The Use of Granulated Modofeed Lime for Expansive Cement with High-Energy SelfTension	341
<i>Tamara Misharina</i> Headspace Analysis of Aroma Compounds Using Porous Adsorbents	347
<i>Fedir Cheshko</i> Microscopic Study of the Coal Tar Carbonaceous Dispersed Phase	355

Current Events

<i>Witold Brostow, Michael Hess and Vera Kovacevic</i> Report from Polychar 19, Kathmandu, March 20- 24, 2011	I
<i>Gennady Zaikov, Larisa Madyuskina and Marina Artsis</i> 11 th International Conference "On Frontiers of Polymers and Advanced Materials" (ICFPAM)	III