



Dear friends!

I congratulate the Editorial Board, authors and readers of "Chemistry & Chemical Technology" with the high international recognition - joining the bibliographic database SCOPUS owned by Elsevier. Thus, six years of fruitful work performed by the Editorial Board and our authors allows the journal to occupy the worthy position among all scientific editions not only in Ukraine but all over the world.

On the eve of Merry Christmas and New Year I wish all the authors and readers of our journal good health, family happiness and scientific successes, and I hope that the Editorial Board will do its best to enter Thomson Reuters Master Journal List!

*Rector of the Lviv Polytechnic
National University
Professor*

A stylized, handwritten signature in black ink.

Yuriy Bobalo

CONTENTS

Chemistry

<i>Volodymyr Miziuk and Volodymyr Shibanov</i> Interaction between Molecule Fragments Unbound by Chemical Bonds through the Space during NMR ¹ H Spectra Registration	355
<i>Yuriy Medvedevskikh and Oksana Khavunko</i> Phenomenological Coefficients of the Viscosity for Low-Molecular Elementary Liquids and Solutions	363
<i>Tea Lobzhanidze</i> Synthesis, Study and Use of New Type Biologically Active Arsenic-Organic Complex Compounds	371
<i>Oksana Nadtoka and Oleg Yaroshchuk</i> Investigation of Photoinduced Orientation Ordering in Polymethacrylates with Side-Chain Azobenzene Moieties	377
<i>Anton Bonartsev, Arasha Boskhomdzhiev, Vera Voinova, Taniana Makhina, Vera Myshkina, Sergey Yakovlev, Irina Zharkova, Elena Filatova, Anton Zernov, Dmitry Bagrov, Natalia Andreeva, Alexander Rebrov, Garina Bonartseva and Alexey Iordanskii</i> Degradation of Poly(3-hydroxybutyrate) and its Derivatives: Characterization and Kinetic Behavior	385
<i>Oleg Figovsky, Elena Gotlib, Dmitry Pashin and Alexander Makeev</i> Production of Polymer Nanomembranes by Super Deep Penetration Method	393
<i>Taras Voronchak, Irena Nykulyshyn, Zorian Pikh and Anna Rypka</i> Synthesis and Properties of Epoxydized Cooligomers Obtained from Petroleum Resins Synthesized by Heterogeneous Catalytic Oligomerization	397
<i>Anna Koroleva, Maria Huebner, Yulia Lukanina, Anatoliy Khvatov, Anatoliy Popov and Tatiana Monakhova</i> Oxo-Biodegradability of Polyethylene Blends with Starch, Cellulose and Synthetic Additives	405

Chemical Technology

<i>Carla da Silva, Cintia Barros, Yure Queiros, Luiz Marques, Ana Maria Louvise and Elizabete Lucas</i> Adsorption of BTX and PAHs by Polymeric Resins Packed in a Fixed Bed: Semi-Industrial Evaluation	415
<i>Yaroslav Kalymon, Andriy Helesh and Oleg Yavorskyi</i> Hydrolytic Sulphate Acid Evaporation by Waste Gases from Burning Furnaces of Meta-Titanic Acid Paste	423
<i>Yaroslav Vakhula, Khrystyna Besaha and Iryna Lutsyuk</i> Surface Modification of Titanium(IV) Oxide Sol-Gel Powders by Sulfur	431
<i>Oksana Shalygina, Lyuidmyla Bragina and Mykola Kuryakin</i> Powder Electrostatic Technology of Household Appliance Enamelling	435
<i>Serhiy Pysh'yev, Volodymyr Gunka, Olena Astakhova, Yuri Prysiaznyi and Michael Bratyshak</i> Effect of Coal Quality on its Desulphurization. 1. Influence of the Organic Matter	443
<i>Victoria Spivak, Igor Astrelin, Natalia Tolstopalova and Iryna Atamaniuk</i> Ecological Sorbent Based on Saponite Mineral from Ukrainian Clay-Field	451
<i>Elena Pekhtasheva, Anatoly Neverov, Stefan Kubica and Gennady Zaikov</i> Classification of Biodamages, Evaluation and Protection Methods	459

Events

<i>Gennady Zaikov, Lidiya Zimina, Marina Artsis and Larisa Madyuskina</i> 6 th International Conference on "Times of Polymer (TOP) and Composites"	I
<i>Gennady Zaikov, Lidiya Zimina and Larisa Madyuskina</i> International Scientific Conference on "Polymeric Materials- 2012"	III
<i>Mohamed Bakar</i> VII th Polish- Ukrainian Scientific Conference "Polymers of Special Applications"	V