## CHEMISTRY & CHEMICAL TECHNOLOGY

## **CONTENTS**

Chemistry

Roman Fleychuk, Lidiya Vuytsyk, Ananiy Kohut, Orest Hevus	
Synthesis of Epoxyperoxides and Peroxide Derivatives of α-D-Galactopyranose Based Thereon	439
Dinesh R. Pandithavidana, Kushani S. K. Hewage	
Antioxidant Potential of Novel Designed Phenolic Derivatives: Computational Insights	448
Mykola Rybalkin, Leonid Strelnikov, Oksana Strilets, Olha Kaliuzhnaia, Sergiy Kutsenko	
Chemical Analysis and the Study of Quality Indicators of the Immunobiological Drug	455
for Preventing and Treating Candidal Infections	455
Ihor Semeniuk, Tetyana Pokynbroda, Viktoria Kochubei, Halyna Midyana, Olena Karpenko, Volodymyr Skorokhoda	
Biosynthesis and Characteristics of Polyhydroxyalkanoates.	
1. Polyhydroxybutyrates of <i>Azotobacter Vinelandii</i> N-15	463
Sara Haoue, Hodhaifa Derdar, Mohammed Belbachir, Amine Harrane	403
A New Green Catalyst for Synthesis of bis-Macromonomers of Polyethylene Glycol (PEG)	468
Mohamed Benachour, Aslya El-Kebir, Amine Harrane, Rachid Meghabar, Mohammed Belbachir	100
Direct Synthesis and Characterization of Photo-Crosslinkable Biodegradable PLA-PEG-PLA	
Ttiblock Copolymer with Methacrylates Functions by Green Montmorillonite Clay Catalyst	474
Marina Bazunova, Valentina Chernova, Roman Lazdin, Angela Shurshina,	
Anna Bazunova, Mariya Elinson, Elena Kulish	
Cosolvents Impact on some Properties of the Solutions and the Films of Succinamide Chitosan	481
Solomiia Nesterivska, Victoriia Makogon, Mykhaylo Yatsyshyn, Ivan Saldan,	
Oleksandr Reshetnyak, Nestor German, Yurii Stadnyk	
Properties of the Composites Made of Glauconite and Polyaniline in Aqueous Solutions of Phosphoric Acid	487
Volodymyr Levytskyi, Andrii Masyuk, Diana Katruk, Rafał Kuzioła,	
Mykhailo Bratychak Jr., Nataliia Chopyk, Ulyana Khromyak	
Influence of Polymer-Silicate Nucleator on the Structure and Properties of Polyamide 6	496
Michael Bratychak, Olena Astakhova, Olena Shyshchak Epoxy Composites Filled with Natural Calcium Carbonate. 3. Epoxy Composites Obtained	
	504
in the Presence of Monocarboxylic Derivative of Epidian-6 Epoxy Resin Witold Brostow, Hanna Faltynowicz, Osman Gencel, Andrei Grigoriev, Haley E. Hagg Lobland, Danny Zhang	304
Mechanical and Tribological Properties of Polymers and Polymer-Based Composites	514
Michainear and Tribological Properties of Polymers and Polymer Based Composites	014
Chemical Technology	
W. Widayat, Marcelinus Christwardana, S. Syaiful, Hantoro Satriadi,	
Akhmad Khaibar, Mukhammad Mujahid Almaki	
Development of Heterogeneous Alkali Methoxide Catalyst from Fly Ash and Limestone	521
The-Anh Phan, Kim-Hoang Dang, Lam Nguyen-Dinh	
Synthesis and Preparation of Hydrophobic CNTs-Coated Melamine Formaldehyde	
Foam by Green and Simple Method for Efficient Oil/Water Separation	531
Khrystyna Sobol, Serhiy Solodkyy, Nadiya Petrovska, Sergiy Belov, Oleksii Hunyak, Volodymyr Hidei	
Chemical Composition and Hydraulic Properties of Incinerated Wastepaper Sludge	538
Yevgen Panov, Nikolai Gomelia, Olena Ivanenko, Andrii Vahin, Serhii Leleka	
Determination of the Conditions for Carbon Materials Oxidation	5.45
with Carbon Monoxide Formation at High Temperatures	545
Abhijit Jadhav, Govindaraj Mohanraj, Suseeladevi Mayadevi, Ashok Gokarn	550
Adsorption of Heavy Metal on Active Carbon Derived from Coconut Leaves Agro-Waste	553
Zakariyya Uba Zango, Saifullahi Shehu Imam Microcrystalline Cellulose from Groundnut Shell as Potential Adsorbent	
of Crystal Violet and Methylene Blue. Kinetics, Isotherms and Thermodynamic Studies	563
Soumaya Hachani, Sarah Boukhalkhal, Ziyad Ben Ahmed,	220
Mohamed Harrat, Artur M.S. Silva, Mohamed Yousfi	
Exploiting Response Surface Methodology (RSM) as a Novel Approach for the Optimization	
of Phenolics and Antioxidant Activity of Date Palm Fruit	572
Oksana Savvova, Hennadiy Voronov, Babich Olena, Oleksii Fesenko, Sviatoslav Riabinin, Robert Bieliakov	
Solid Solutions Formation Mechanism in Cordierite-Mullite Glass Materials During Ceramization	583
Nizamettin Demirkıran, G. Deniz Turhan Özdemir, Merve Dardağan Application of Response Surface Method to Copper Cementation by Metallic Aluminum Particles	590