

CONTENTS

Biotechnology and industrial ecology

<i>Yu.A. Smyatskaya</i> Biotechnology of creating a feed additive from biomass of microalgae <i>Chlorella</i> and chitosan	7
<i>A.N. Shlykova, A.A. Balabaev, E.V. Trukhina, J.G. Bazarnova</i> Study on obtaining carotenoid pigments from microalgae <i>Chlorella</i>	20
<i>L.V. Volkova, A.A. Dulkevich, A.V. Semkova</i> Determination of Acute Toxicity of a <i>Medusomyces Gisevi</i> Mycelium Dietary Supplement	38
<i>E. Farberova, D. Shadrin, N. Khodyashev, E. Tingaeva</i> <i>Trichoderma harzianum</i> micromycetes as a carbon biosorbent for extracting mercury from aqueous media	49
<i>A.V. Savinovskiy, A.V. Artyomov, A.E. Shkuro, V.G. Burundin, A.S. Ershova, A.A. Vasileva</i> The use of copper sulfate to obtain bioresistant vegetable plastics	61

Automation and control of chemical technology processes

<i>M.A. Rabotnikov, A.V. Tihomirov, I.A. Vialykh</i> Modernization advanced control system of the styrol rectification facility	82
<i>R.Yu. Dadiomov, A.G. Shumikhin, D.K. Kornilitsin</i> KCl moisture virtual analyzer based on analytical model of drying in a fluidized bed dryer	95

Chemical technology of inorganic compounds and new materials

<i>A.V. Tiunova, D.V. Saulin</i> Development of technology of chemically inert oxides deposition onto the inner surface of ceramic moulds for titanium alloys casting	110
<i>A.A. Khazeev, M.V. Cherepanova</i> Modernization of the synthesis stage in the production of methanol	123
<i>A.V. Chernyshev, A.N. Gallyamov, M.V. Cherepanova, O.A. Fedotova</i> Reducing the destruction of potassium hexacyanoferrate (II) by using ultrasound	143

<i>L.S. Eshchenko, A.V. Paniatouski, E.I. Vecherskaya, E.V. Korobko, Z.A. Novikova, A.V. Lykov</i>	
Peculiarities of obtaining electrorheological active ferrophosphate	155
<i>V.Z. Poilov, A.L. Kazancev, S.A. Smirnov</i>	
Features formation magnesium oxide particles during thermohydrolysis of magnesium chloride solutions	170
<i>A.G. Starostin, V.Z. Poilov, S.V. Karmanova, A.A. Kotenko, E.V. Lytkin</i>	
Cleaning the surface of an aircraft alloy from technological contamination	183