

CONTENTS

Organic Chemistry and Biochemistry

- Y. Vaghasiya, R. Nair, M. Soni, S. Baluja and S. Shanda*: Synthesis, structural determination and antibacterial activity of compounds derived from vanillin and 4-aminoantipyrine 991
- A. Nićiforović, M. B. Radojčić and B. H. Milosavljević*: Gamma-radiation induced agglomeration of chicken muscle myosin and actine 999
- R. M. Radojčić, S. D. Spasić, Z. S. Saičić, T. B. Jovanović and J. B. Simić-Krstić*: Superoxide dismutase activity as a function of culture aging of B-16 mouse melanoma cells (Preliminary communication) 1005

Polymers

- D. Jovanović, M. S. Nikolić and J. Djonlagić*: Synthesis and characterization of biodegradable aliphatic copolyesters with hydrophilic soft segments 1013
- Z. Kačarević-Popović, D. Kostoski, Lj. Novaković, N. Miljević and B. Šećerov*: Influence of the irradiation conditions on the effect of radiation on polyethylene 1029
- G. Ilić, E. Fagadar-Cosma, A. Popa and S. Ilić*: Styrene-divinylbenzene copolymer grafted with phosphonic acid dialkyl esters 1043

Inorganic Chemistry

- J. Husárek, R. Pstorek, M. Maloň, Z. Šindalář and M. Pavlíček*: Nicke(II) cyclohexylethyl-dithiocarbamate P-donor ligands in the coordination sphere 1053

Physical Chemistry

- Ž. N. Todorović and S. K. Milonjić*: Determination of intrinsic equilibrium constants at alumina/electrolyte interface 1063
- J. M. Resa, C. González, J. M. Goenaga and M. Iglesias*: Influence of temperature on the volumetric properties of ethanol + water + 1-pentanol 1073

Electrochemistry

- D. M. Dražić, J. P. Popić, B. Jegdić and D. Vasiljević-Radović*: Electrochemistry of active chromium. Part IV. Dissolution of chromium in deaerated sulfuric acid 1099

Materials

- Z. Odanović and M. Djurdjević*: Investigation of the mechanism of mercury removal from silver-amalgam alloy 1111
- A. Golubović, S. Nikolić, S. Djurić and N. Romčević*: $Pb_{1-x}Mn_xTe$ single crystals and their structural properties 1121

Chemical Engineering

- Ž. Lj. Arsenijević, Ž. B. Grbavić and B. V. Grbić*: Modeling of adsorber/desorber/catalytic reactor system for ethylene oxide removal 1129

Environmental Chemistry

- A. Savin, D. Veselinović and D. Marković*: The correlation of the values of plant-available lead and cadmium in soil determined using different types of extragents 1145
- M. Radenković, T. Andjelić, M. Kovačević and P. Vukotić*: Depleted uranium in the air during the cleanup operation at Cape Arza 1153
- Contents of Volume 69 1157
- Subject index 1165
- Author index 1169