



CONTENTS

Organic Chemistry and Biochemistry

- F. H. Assaleh, A. D. Marinković, S. Ž. Drmanić and B. Ž. Jovanović:* Investigation of the reactivity of 4-pyrimidinecarboxylic, 6-hydroxy-4-pyrimidinecarboxylic and 5-hydroxyuronic acids with diazodiphenylmethane in various alcohols. Part III 205
- M. Yildiz, A. Kiraz and B. Dülger:* Synthesis and antimicrobial activity of new crown ethers of Schiff base type 215
- M. Radeta, J. Novaković, M. Vico-Stevanović, S. Simić and A. Pirožkov:* Isolation of thymus gland fractions and the determination of their biological activity ... 225
- D. Cvetković and D. Marković:* A. marginal contribution of selected carotenoids to the suppression of UV-irradiation-induced lecithin peroxidation in hexane solution 235

Inorganic Chemistry

- C. Zalaru, M. Iovu, F. Zalaru, A. Meghea, M. Giurginca and M. Plaveti:* Coordination compounds of Cu(II) with some substituted 2-(3,5-dimethylpyrazol-1-yl)-methyl-acetanilides as ligands 251
- M. Sönmez and M. Şekerci:* The template synthesis, spectral characterization and thermal behaviour of new binuclear Schiff base complexes derived from *N*-aminopyrimidine with 2,3-butanedione 259

Theoretical Chemistry

- A. N. Pankratov and A. V. Shalobay:* Electronic structure of planar-quasicycled organic molecules with intramolecular hydrogen bond 265

Physical Chemistry

- M. S. Djošić, V. B. Mišković-Stanković and V. V. Srdić:* Electrophoretic deposition and thermal treatment of boehmite coatings of titanium 275
- I. Bulgariu and D. Bulgariu:* The extraction of Zn(II) in aqueous PEG(1550) – (NH₄)₂SO₄ two-phase system using Cl⁻ ions as extracting agent 289

Analytical Chemistry

- D. Rekha, K. Suvadhan, K. Suresh Kumar, P. Reddyprasad, B. Jayaraj and P. Chiranjeevi:* Extractive spectrophotometric determination of copper(II) in water and alloy samples with 3-methoxy-4-hydroxybenzaldehyde 4-bromophenylhydrazone (3,4-MHBBPH) (Short communication) 299