

CONTENTS

**Organic Chemistry**

- V. D. Janković, D. Ž. Mijin and S. D. Petrović*: Alkylation of *N*-substituted 2-phenylacetamides: Benzoylation of *N*-(4-nitrophenyl)-2-phenylacetamide ..... 373
- R. M. Galvin, J. M. R. Mellado and M. J. Higuera*: Reductive deactivation of some *s*-triazine herbicides: prometryne, desmetryne and terbutryne..... 381
- J. Jovanović, M. Spiteller and W. Elling*: Indene dimerization products ..... 393

**Physical Chemistry**

- I. Gutman, D. Vidović and D. Stevanović*: Chemical applications of the Laplacian spectrum. VI. On the largest Laplacian eigenvalue of alkanes ..... 407
- P. M. Nikolić, K. Radulović, D. Vasiljević-Radović, V. Blagojević, B. Milosavljević and Z. Dohčević-Mitrović*: Far-infrared spectroscopy of PbTe doped with iron ..... 415

**Electrochemistry**

- H. Ma, S. Chen, C. Yang and J. Luo*: Comparison of the influence of nitrate ions on the electrochemical behaviour of iron and carbon steels in sulphate solutions..... 425
- N. D. Nikolić, Z. Rakočević, D. R. Djurović and K. I. Popov*: Reflection and structural characteristics of semi-bright and mirror bright nickel coatings..... 437
- P. M. Živković, S. Jovanović, N. M. Ilić and K. I. Popov*: The influence of electroless plated chromium on printing properties of aluminium offset printing plate ..... 445

**Chemical Engineering**

- A. A. Šmelcerović, S. M. Djordjević, Ž. D. Lepojević and D. T. Veličković*: The analysis of the kinetics of extraction of resinoids and hypericines from the amber, *Hypericum perforatum* L. .... 457