



CONTENTS

Biochemistry

- M. V. Zlatović, V. V. Šukalović, S. V. Kostić-Rajačić, D. B. Andrić and G. M. Roglić:* Influence of *N*-1 substituent properties on binding affinities of arylpiperazines to the binding site of 5-HT_{1A} receptor ... 1125

Inorganic Chemistry

- K. S. Siddiqi, A. Umar, S. A. A. Nami and S. Khan:* Synthesis, characterization and spectroscopic studies of the dihydrobis(1,2,3-benzotriazolyl)borato anion and its complexes with MCl₂.py₂.. 1137
- E. Makrlík and P. Vaňura:* Stability of the barium-benzo-15-crown-5 complex in nitrobenzene saturated with water (Short communication) 1147

Physical Chemistry

- C. Y. Hu, F. Y. Li, L. Hua and R. B. Zhang:* A study concerning the pretreatment of CNTs and its influence on the performance of NiB/CNTs amorphous catalyst..... 1153
- J. Lemić, S. Milošević, M. Vukašinović, A. Radosavljević-Mihajlović and D. Kovačević:* Surface modification of a zeolite and the influence of pH and ionic strength on the desorption of an amine.. 1161

Electrochemistry

- V. Panić, A. Dekanski, S. Milonjić, V. B. Mišković-Stanković and B. Nikolić:* Activity and stability of RuO₂ coated titanium anodes prepared via the alkoxide route 1173
- B. Jegdić, D. M. Dražić and J. P. Popić:* Influence of chloride ions on the open circuit potentials of chromium in deaerated sulfuric acid solutions (Preliminary communication) 1187

Analytical Chemistry

- M. Zečević, B. Jocić, S. Agatonović-Kuštrin and Lj. Živanović:* Validation of an HPLC method for the simultaneous determination of eletriptan and UK 120.413 1195
- D. Satyanarayana, K. Kannan and R. Manavalan:* Principal Component Artificial Neural Network calibration models for the simultaneous spectrophotometric estimation of mefenamic acid and paracetamol in tablets 1207

Environmental Chemistry

- A. Topalović, L. B. Pfendt, N. Perović, D. Đorđević, S. Trifunović and P. A. Pfendt:* The chemical characteristics of soil which determine phosphorus partitioning in highly calcereous soils..... 1219

Chemical Engineering

- Lj. Rožić, T. Novaković, S. Petrović, Ž. Čupić, Ž. Grbavčić and A. Rosić:* The sorption and crystallographic characteristics of alumina activated in a reactor for pneumatic transport..... 1237