

CONTENTS

REVIEW

409. Witold Musiał, Janusz Pluta, Jiří Michálek
Thermosensitive microgels of poly-N-isopropylacrylamide for drug carriers - practical approach to synthesis.

ANALYSIS

423. Przemysław Zalewski, Piotr Garbacki, Judyta Cielecka-Piontek, Katarzyna Bednarek-Rajewska, Anna Krause
Development and validation of the stability-indicating LC-UV method for determination of cefozopran hydrochloride.
429. Elżbieta Kublin, Ewa Malanowicz, Barbara Kaczmarska-Graczyk, Krystyna Czerwińska, Elżbieta Wyszomirska, Aleksander P. Mazurek
Development of chromatographic method for determination of drugs reducing cholesterol level - statins and ezetimibe.

DRUG BIOCHEMISTRY

439. Małgorzata Ewertowska, Przemysław Ł. Mikołajczak, Irena Okulicz-Kozaryn, Bogdan Stachecki, Marek Murias, Jadwiga Jodynis-Liebert
Different response of antioxidant defense system to acamprostate in ethanol-preferring and non-preferring rats.
447. Dorota Wrześniok, Artur Beberok, Michał Otręba, Ewa Buszman
Impact of gentamicin on antioxidant enzymes activity in HEMn-DP cells.
455. Tatjana Kastratović, Slobodan Arsenijević, Zoran Matović, Marina Mitrović, Ivana Nikolić, Zoran Milosavljević, Zoran Protrka, Marija Šorak, Janko Durić
Methotrexate and myotrexate induce apoptosis in human myoma fibroblasts (T hES cell line) *via* mitochondrial pathway.

DRUG SYNTHESIS

465. Eman M.H. Morsy, Eman R. Kotb, Hanan A. Soliman, Hayam H. Sayyed, Nayira A.M. Abdelwahed
Synthesis and *in vitro* antimicrobial activity of novel series of 3,5-diacetylpyridine compounds.
475. Rasha S. Gouhar, Somaia S. Abd El-Karim, Mogedda E. Haiba, Magdy I. El-Zahar, Ghada E.A. Awad
Synthesis and antimicrobial evaluation of cyanopyridinyl tetrahydronaphthalene derivatives.
489. Marzanna Strupińska, Grażyna Rostańska-Suchar, Elżbieta Pirianowicz-Chaber, Mateusz Grabczuk, Magdalena Józwenko, Hubert Kowalczyk, Joanna Szuba, Monika Wójcicka, Tracy Chen, Aleksander P. Mazurek
Synthesis and study of halogenated benzylamides of some isocyclic and heterocyclic acids as potential anticonvulsants.

NATURAL DRUGS

497. Ahmed Elkirdasy, Saad Shousha, Abdulmohsen H. Alrohaimi, M. Faiz Arshad
Hematological and immunobiochemical study of green tea and ginger extracts in experimentally induced diabetic rabbits.
507. Tomasz Baj, Elwira Sieniawska, Radosław Kowalski, Marek Wesołowski, Beata Ulewicz-Magulska
Effectiveness of the Deryng and Clevenger-type apparatus in isolation of various types of components of essential oil from the *Mutellina purpurea* Thell. flowers.
517. Anna Paulina Kowalczyk, Anna Łozak, Monika Kiljan, Krystyna Mętrak, Jordan Konrad Zjawiony
Application of chemometrics for identification of psychoactive plants.

PHARMACEUTICAL TECHNOLOGY

527. Regina Kasperek, Łukasz Zimmer, Wojciech Jawień, Ewa Poleszak
Pharmacokinetics of diclofenac sodium and papaverine hydrochloride after oral administration of tablets to rabbits.
539. Barbora Vraníková, Jan Gajdziok
Evaluation of sorptive properties of various carriers and coating materials for liquisolid systems.

551. Elżbieta Kuriata, Wiesław Sawicki
Evaluation of cases with the usage of commercially available tablets in the pediatric formula.
559. Michael A. Odeniyi, Nasir K. Khan, Kok K. Peh
Release and mucoadhesion properties of diclofenac matrix tablets from natural and synthetic polymer blends.
569. Marta Szekalska, Katarzyna Winnicka, Anna Czajkowska-Kośnik, Katarzyna Sosnowska, Aleksandra Amelian
Evaluation of alginate microspheres with metronidazole obtained by spray drying technique.

PHARMACOLOGY

579. Małgorzata Zygmunt, Grażyna Chłoń-Rzepa, Jacek Sapa
The effect of serotonin 5-HT_{1A}, 5HT₂ receptor ligands, ketoprofen and their combination in models of induced pain in mice.
587. Iłona Kaczmarczyk-Sedlak, Maria Zych, Weronika Wojnar, Ewa Ozimina-Kamińska, Sławomir Dudek, Natalia Chadała, Agnieszka Kachel
Biochanin A shows no effect on skeletal system in ovariectomized rats, when administered in moderate dose.
597. Beata Diomšina
Clinical experience of long-term treatment with aripiprazol (Abilify) in children and adolescents at the Child and Adolescent Psychiatric Clinic 1 in Roskilde, Denmark.

GENERAL

607. Muhammad Ashraf, Farah Abid, Sualeha Riffat, Sajid Bashir, Javed Iqbal, Muhammad Sarfraz, Attia Afzal, Muhammad Zaheer
Rationalized and complementary findings of silymarin (milk thistle) in Pakistani healthy volunteers.
615. Saleha Sadeeqa, Azmi Sarriff, Imran Masood, Muhammad Atif, Maryam Farooqui
KAP among doctors regarding Halal pharmaceuticals across sectional assessment.
625. Erratum