

CONTENTS

REVIEW

3. Muhammad Khurram Waqas, Naveed Akhtar, Rehan Mustafa, Muhammad Jamshaid, Haji Muhammad Shoaib Khan, Ghulam Murtaza
Dermatological and cosmeceutical benefits of *Glycine max* (soybean) and its active components.
13. Łukasz Dobrek, Piotr J. Thor
The role of prostanoids in the urinary bladder function and a potential use of prostanoid-targeting pharmacological agents in bladder overactivity treatment.

ANALYSIS

21. Kinga Lange, Teresa Gierlach-Hładoń
Solid state characterization of α -tocopherol in inclusion complexes with cyclodextrins.
31. Urszula Hubicka, Barbara Żuromska-Witek, Joanna Piotrowska, Jan Krzek
Determination of neomycin in the form of neomycin derivative with dabsyl chloride by thin layer chromatography and densitometry.
39. Anna Petruczynik, Karol Wróblewski, Monika Waksmundzka-Hajnos
Effect of chromatographic conditions on retention behavior and system efficiency for HPTLC of selected psychotropic drugs on chemically bonded stationary phases.

DRUG BIOCHEMISTRY

49. Anna Bilaska-Wilkosz, Magdalena Dudek, Joanna Knutelska, Lidia Włodek
Effect of lipoic administration on the urinary excretion of thiocyanate in rats exposed to potassium cyanide.

DRUG SYNTHESIS

53. Jerzy Cieplik, Marcin Stolarczyk, Janusz Pluta, Olaf Gubrynowicz, Iwona Bryndał, Tadeusz Lis, Marcin Mikulewicz
Synthesis and antibacterial properties of pyrimidine derivatives.
65. Mostafa M. Ghorab, Mansour S. Alsaïd, Yassin M. Nissan
Novel pyrrolopyrimidines and triazolopyrrolopyrimidines carrying a biologically active sulfonamide moieties as anticancer agents
79. Mostafa M. Ghorab, Mansour S. Alsaïd, Abdullah-Al-Dhfyān, Reem K. Arafa
Cytotoxic activity of some novel sulfonamide derivatives.
89. Anna Maria Waszkielewicz, Agnieszka Gunia-Krzyżak, Marek Cegła, Henryk Marona
Synthesis and evaluation of anticonvulsant activity of N-(2,5-dimethylphenoxy) and N-[(2,3,5-trimethylphenoxy)alkyl]aminoalkanoles.
101. Anna Nowicka, Hanna Liszkiewicz, Wanda P. Nawrocka, Joanna Wietrzyk, Agnieszka Zubiak, Wojciech Kołodziejczyk
Synthesis and antiproliferative activity *in vitro* of new 2-thioxoimidazo[4,5-b]pyridine derivatives.

NATURAL DRUGS

113. Alamgeer, Uzma Mazhar, Muhammad Naveed Mushtaq, Hafeez Ullah Khan, Safirah Maheen, Muhammad Nasir Hayat Malik, Taseer Ahmad, Fouzia Latif, Nazia Tabassum, Abdul Qayyum Khan, Haseeb Ahsan, Wasim Khan, Inrahim Javed, Haider Ali
Evaluation of anti-inflammatory, analgesic and antipyretic activities of *Thymus serpyllum* Linn. in mice.
119. Talent Chipiti, Mohammed Auwal Ibrahim, Neil Anthony Koorbanally, Md. Shahidul Islam
In vitro antioxidant activity and GC-MS analysis of the ethanol and aqueous extracts of *Cissus cornifolia* (Baker) Splanck (Vitaceae) parts.
129. Muhammad Asif, Muhammad Atif, Amin Malik, Shah Abdul Majid, Sabbar Dahham, Sawsan Al Ravi, Zahari Che Dan
Diuretic activity of aqueous extract of *Nigella sativa* in Albino rats.

137. Marina T. Tomovic, Snezana M. Cupara, Marija T. Popovic-Milenkovic, Biljana T. Ljujic, Marina J. Kostic, Slobodan M. Jankovic Antioxidant and anti-inflammatory activity of *Potentilla reptans* L.
147. Emmanuel E. Nyong, Michael A. Odeniyi, Jones O. Moody *In vitro* and *in vivo* antimicrobial evaluation of alkaloidal extracts of *Enantia chlorantha* stem bars and their formulated ointments.
153. Rachel Dorothy Wilson, Md. Shahidul Islam Effects of white mulberry (*Morus alba*) leaf tea investigated in a type 2 diabetes model of rats.

PHARMACEUTICAL TECHNOLOGY

161. Witold Musiał, Jiří Michálek The influence of low process temperature on the hydrodynamic radius of polyNIPAM-co-PEG thermosensitive nanoparticles presumed as drug carriers for bioactive proteins.
171. Ehab I. Taha, Saleh A. Al-Suwayeh, Moustafa M. Tayel, Mohamed M. Badran Fast ultra-fine self-nanoemulsifying drug delivery system for improving *in vitro* gastric dissolution of poor water soluble drug
179. Sofiane Fatmi, Lamine Bournine, Mokrane Iguer-Ouada, Malika Lahiani-Skiba, Fatiha Bouchal, Mohamed Skiba Amorphous solid dispersion studies of camptothecin–cyclodextrin inclusion complexes in PEG 6000.
193. Venkata Srikanth Meka, Shreeni Pillai, Senthil Rajan Dharmalingham, Ravi Sheshala, Adinarayana Gorajana Preparation and *in vitro* characterization of non-effervescent floating drug delivery system for poorly soluble drug, glipizide.

PHARMACOLOGY

205. Monika Rykaczewska-Czerwińska, Piotr Oleś, Michał Oleś, Mariola Kuczer, Danuta Konopińska, Andrzej Plech Effect of alloferon 1 on central nervous system in rats.

SHORT COMMUNICATION

213. Olivera Z. Milovanovic, Jasmina R. Milovanovic, Aleksandar Djukic, Milovan Matovic, Aleksandra Tomic Lucic, Nenad Glumbic, Ana M. Radovanovic, Slobodan M. Jankovic Variation in vitamin D plasma levels according to study load of biomedical students.