

CONTENTS

REVIEW

821. Khurram Afzal, Muhammad Uzair, Bashir Ahmad Chaudhary, Tabinda Fatima, Samina Afzal, Ashfaq Ahmad, Malik Saadullah Genus *Ruellia*: Pharmacological and phytochemical importance in ethnopharmacology.
829. Muhammad Atif, Iftikhar Ali, Ajaz Hussain, Syed Viqar Hyder, Basit Niaz, Farhan Ahmed Khan, Aneela Maalik, Umar Farooq Pharmacological assessment of hispidulin - a natural bioactive flavone.

ANALYSIS

843. Judit Turmezei, Eszter Jávorszky, Eszter Szabó, Judit Dredán, Barnabás Kállai-Szabó, Romána Zelkó Effect of storage temperature on the stability of total parenteral nutrition admixtures prepared for infants.
851. Kacper Nowak, Edward F. Pliński, Bożena Karolewicz, Przemysław P. Jarząb, Stanisława Plińska, Bogusław Fuglewicz, Michał J. Walczakowski, Łukasz Augustyn, Łukasz A. Sterczewski, Michał P. Grzelczak, Mariusz Hruszowiec, Grzegorz Beziuk, Martin Mikulic, Norbert Pałka, Mieczysław Szustakowski Selected aspects of terahertz spectroscopy in pharmaceutical sciences.
867. Nina Alizadeh, Fereshthen Keyhanian Simple, sensitive and selective spectrophotometric assay of naproxen in pure, pharmaceutical preparation and human serum.
877. Marek Wasek, Joanna Giebułtowicz, Małgorzata Sochacka, Katarzyna Zawada, Wiktoria Modzelewska, Leszek M. Krześniak, Piotr Wroczyński The measurement of antioxidant capacity and polyphenol content in selected food supplements.

DRUG BIOCHEMISTRY

889. Anna Wiktorowska-Owczarek, Magdalena Namiecińska, Jacek Owczarek The effect of ibuprofen on bFGF, VEGF secretion and cell proliferation in the presence of LPS in HMEC-1 cells.
895. Joanna Wawszczyk, Małgorzata Kapral, Jolanta Lodowska, Katarzyna Jesse, Andrzej Hollek, Ludmiła Węglarz Antiproliferative effect of inositol hexaphosphate on human skin melanoma cells *in vitro*.
801. Magdalena Zdybel, Barbara Pilawa, Ewa Chodurek Effect of cadmium(II) on free radicals in DOPA-melanin tested by EPR spectroscopy.
909. Małgorzata Latocha, Andrzej Zięba, Renata Polaniak, Dariusz Kuśmierz, Ada Nowosad, Magdalena Jurzak, Ewa Romuk, Mirosława Kokocińska Elektra Sliupkas-Dyrda Molecular effects of amine derivatives of phenothiazine on cancer cells C-32 and SNB-19 *in vitro*.
917. Jolanta Lodowska, Arkadiusz Gruchlik, Daniel Wolny, Joanna Wawszczyk, Zofia Dzierżewicz, Ludmiła Węglarz The effect of sulfasalazine and 5-aminosalicylic acid of the secretion of interleukin 8 by human colon fibroblasts.
923. Marcin Frączek, Dariusz Kuśmierz, Beata Rostkowska-Nadolska, Andrzej Kutner, Małgorzata T. Latocha Antiproliferative and cytotoxic effect of selected vitamin D analogs on nasal polyps fibroblasts and other cells with higher proliferative potential.

DRUG SYNTHESIS

931. Subhas S. Karki, Vivek Rana, Ramjith U. Sivan, Sujeet Kumar, Vinayakumar Renuka, Sureshbabu Ramareddy, Prasanna Subbarao, Sudam C. Si Synthesis and antiinflammatory activity of some imidazo[2,1-b][1,3,4]thiadiazole derivatives.
937. Amara Mumtaz, Aamer Saeed, Aneela Maalik, Wajih Khan, Saira Azhar, Nighat Fatima, Asma Zaidi, Muhammad Atif Synthesis, characterization, antimicrobial and phytotoxic screening of 1-aryl-3,5-diarylpyrazoline derivatives.

943. Andrzej Niewiadomy, Alicja Skrzypek, Joanna Matysiak, Urszula Głuszcz, Joanna Wietrzyk, Elżbieta Krajewska-Kułak Synthesis and biological activity of novel N,N-cyclic-2,4-dihydroxythiobenzamide derivatives.

951. Anna Nowicka, Hanna Liszkiewicz, Wanda P. Nawrocka, Joanna Wietrzyk, Joanna Sadowska Synthesis and *in vitro* antiproliferative activity of novel arylideneaminobenzimidazole derivatives.

NATURAL DRUGS

965. Abdul Wadood Siddiqui, Mohammed Ali, Kamran J. Naquvi, Shahnaz S. Husain New aliphatic ester, β -sitosterol diglucoside and vesicariabiflavones from the seeds of *Rumex vesicarius* L.

973. Keng-Fei Ooh, Hean-Chooi Ong, Fai-Chu Wong, Tsun-Thai Chai HPLC profiling of phenolic acids and flavonoids and evaluation of anti-lipoxygenase and antioxidant activities of aquatic vegetable *Limncharis flava*.

981. Youshan Li, Min Zheng, Xing Zhai, Youliang Huang, Anwar Khalid, Aneela Malik, Pervaiz Shah, Sabiha Karim, Saira Azhar, Xiaobing Hou Effect of *Gymnema sylvestre*, *Citrullus colocynthis* and *Artemisia absinthium* on blood glucose and lipid profile in diabetic human.

PHARMACEUTICAL TECHNOLOGY

987. Mohamed A. Ibrahim, Gamal A. Shazly Evaluation of diclofenac sodium sustained release matrix pellets: impact of polyethylene glycols molecular weight.

999. Venkateskumar Krishnamoorthy, Suchadrasen, Verma Priya Ranjan Prasad Olanzapine-PEG 6000 binary systems: *in vitro* dissolution behavior, physicochemical characterization and mathematical modeling.

PHARMACOLOGY

1015. Ashfaq Ahmad, Munavvar Z.A. Sattar, Hassaan A. Rathore, Safia Akhtar Khan, Mohammed A. Lazhari, Fayaz Hashmi, Nor A. Abdullah, Edward J. Johns Impact of isoprenaline and caffeine on development of left ventricular hypertrophy and renal hemodynamic in Wistar Kyoto rats.

GENERAL

1027. Jan Kostriba, Jana Kotlarova, Jiri Vlcek Opinions and attitudes of Czech citizens on selected issues of drugs in society.

1039. Magdalena Waszyk-Nowaczyk, Malwina Nowak, Michał Michalak, Marek Simon Physicians' valuation of individual medication management system (IMMS) implementation in Poznań (Poland) community pharmacies.

1045. Tomasz Hermanowski, Victor Bystrov, Anna Staszewska-Bystrova, Sylwia I. Szafraniec-Buryło, Daniel Rabczenko, Katarzyna Kolasa, Ewa Orlewska Analysis of trends in life expectancies and per capita GDP as well as pharmaceutical and non-pharmaceutical healthcare expenditures.

SHORT COMMUNICATION

1051. Nyla Jabeen, Sadaf Anwar, Qaisar Mahmood, Muhammad Abid Zia, Ghulam Murtaza *In vitro* anthelmintic efficacy of native plants against *Haemonchus contortus*.