

CONTENTS

REVIEW

525. Mariola Śliwińska-Mossoń, Iwona Zieleń, Halina Milnerowicz
New trends in the treatment of nicotine addiction.
531. Ghulam Murtaza, Amara Mumtaz, Fahren Ahmed Khan, Saeed Ahmad, Saira Azhar, Muhammad Najam-ul-Haq, Muhammad Atif, Aneela Maalik, Fiaz Alam, Izhar Hussain
Recent pharmacological advancements in Schiff bases: a review.
537. Jun Qin, Qing Xu
Functions and applications of exosomes.

ANALYSIS

545. Dorota Marszałek, Anna Goldnik, Aleksander P. Mazurek, Iwona Winiecka, Paweł Jaworski
New renin inhibitors – stability and activity determination. Part I.
555. Dorota Marszałek, Anna Goldnik, Aleksander P. Mazurek, Iwona Winiecka, Paweł Jaworski, Sandra Szerszań, Ewa Kozikowska, Tadeusz Pawlik
New renin inhibitors – stability and activity determination. Part II.
563. Beata Zabrzewska, Anna Chyła, Anna Bogdan
Development studies on determination of preservatives decomposition products
575. Bogdan Suchacz, Marek Wesołowski
Identification of similarities in metallic content of herbat infusions using non-linear approach.

DRUG BIOCHEMISTRY

583. Mirosław Krośniak, Renata Francik, Joanna Kowalska, Ryszard Gryboś, Wojciech M. Kwiatek
Effects of vanadium complexes supplementation on V, Cu, Mn, K, Fe, Zn, and Ca concentration in STZ diabetic rats pancreas.

DRUG SYNTHESIS

593. Omiama M. Abdel Hafez, Mahmoud I. Nassar, Salah M. El-Kousy, Ayman F. Abdel- Razik, Sherien M.M. Atalla, Mai M. El-Ghonemy
Synthesis of some new carbonitriles and pyrazole coumarin derivatives with potent antitumor and antimicrobial activities.
603. Mustafa M. Ghorab, Mansour S. Alsaïd, Yassin M. Nissan
Synthesis and molecular docking of some novel anticancer sulfonamides carrying biologically active pyrrole and pyrrolopyrimidine moieties.
615. Mustafa M. Ghorab, Saleh I. Alqasoumi, Maged S. Abdel-Kader, Mansour S. Alsaïd
Utility of L-norephedrine in the semisynthesis of novel thiourea and thiazolidine derivatives as a new class of anticancer agents.

NATURAL DRUGS

625. Muhammad H.H.B. Asad, Durr-e-Sabih, Tahir Yaqab, Ghulam Murtaza, Muhammad S. Hussain, Muhammad S. Hussain, Muhammad T. Nasir, Saira Azhar, Shujaat A. Khan, Izhar Hussain
Phospholipases A₂: enzymatic assay for snake venom (*Naja naja karachiensis*) with their neutralization by medicinal plants of Pakistan.
631. Rehana Rashid, Ghulam Murtaza, Abida K. Khan, Sadullah Mir
Antioxidant and hypoglycemic effect of *Otostegia aucheri* methanolic extract in streptozotocin-induced diabetic male Long-Evans rats.

PHARMACEUTICAL TECHNOLOGY

637. Michał J. Nachajski, Michał K. Kołodziejczyk, Marek Lukosek, Jacek Kosno, Justyna Kołodziejaska, Marian M. Zgoda
Usefulness of Rosen's postulate for studying the relationship between the structure of cholic acid oxyethylation products and the process of solubilization of lipophilic therapeutic agents (BCS class II and IV) in aqueous solutions in equilibrium.
647. Mohamed Abbas Ibrahim
Tenoxicam-Kollocoat® IR binary systems: physicochemical and biological evaluation.

661. Beata J. Stanisiz, Sylwia K. Paszun, Anna Zalewska Stability of cilazapril in pediatric oral suspensions prepared from commercially available tablet dosage forms.

PHARMACOLOGY

667. Alamgeer, Muhammad Shoaib Akhtar, Qaiser Jabeen, Sajid Bashir, Muhammad Nasir Hayak Malik, Sabeha Karim, Muhammad Naved Mushtaq, Shahid Rasool, Fozia Latif, Nazia Tabbasum, Abdul Qayyum Khan, Haseeb Ahsan, Wasim Khan, Ibrahim Javed Possible mechanism of cardiac depressant activity of *Berberis orthobotrys* roots in isolated rabbit heart.
677. Alamgeer, Muhammad Shoaib Akhtar, Qaiser Jabeen, Hafeez Ullah Khan, Safirah Maheen, Haroon-ur-Rashid, Sabeha Karim, Shahid Rasool, Muhammad Nasir Hayak Malik, Muhammad Naved Mushtaq, Fouzia Latif, Nazia Tabbasum, Abdul Qayyum Khan, Haseeb Ahsan, Wasim Khan Pharmacological evaluation of antihypertensive effect of aerial parts of *Thymus linearis* Benth.
683. Marta Krasny, Kornel Krasny, Piotr Fiedor Safety and efficacy of bone wax in patients on oral anticoagulant therapy.

GENERAL

687. Ernest Kuchar, Stanisław Han, Katarzyna Karłowicz-Bodalska, Katarzyna Miśkiewicz, Elżbieta Kutyccka Safety of oral ibuprofen – analysis of data from the spontaneous reporting system in Poland.

SHORT COMMUNICATION

691. Edyta Szałek, Agnieszka Karbownik, Katarzyna Sobańska, Włodzimierz Płotek, Tomasz Grabowski, Małgorzata Nowak, Edmund Grześkowiak Penetration of sunitinib through the blood-brain barrier after the administration of ciprofloxacin.