



ISSN: 0250-474X
March-April 2020
82(2): 184-384

Indian Journal of Pharmaceutical Sciences

Scientific Publication of the Indian Pharmaceutical Association



Impact Factor® for 2017: 0.73
www.ijpsonline.com

Volume 82

Number 2

March-April 2020

CONTENTS

REVIEW ARTICLES

An Update on the Role of Nrf2 and its Activators in Diseases Associated with Oxidative Stress
DEEPA SUGUMAR, J. SARAVANAN*, R. EMDORMI AND T.K. PRAVEEN
184-192

Augmentation of Mast Cell Stability, a Therapeutic Strategy for Idiopathic Pulmonary Fibrosis
S. M. ABDULLAH AND *P. M. MAZUMDER
193-202

RESEARCH PAPERS

Quality by Design-based Development and Optimization of a Novel, Dual Wavelength HPLC Method for Determination of Impurities in Piribedil Prolonged Release Tablets
N. KUMAR* AND SANGEETHA DHARMALINGAM
203-215

Formulation and in vitro Characterization of Time Release Tablets of Propranolol Hydrochloride
S. GIRI AND S. MOHAPATRA
216-221

Synthesis and Evaluation of Disubstituted Benzimidazole Derivatives as Potential Analgesic and Antidiarrheal Agents
POUSHALI SAHA, SHEJUTI RAHMAN BRISHTY AND S. M. ABDUR RAHMAN*
222-229

Doxorubicin-Bioconjugated Cadmium Sulfide Dextrin Quantum Dots for Imaging Cells
G. GONZALEZ DE LA CRUZ*, P. RODRIGUEZ-FRAGOSO, A. MASTACHE-JUAREZ, J. REYES-ESPARZA AND L. RODRIGUEZ-FRAGOSO LOURDES
230-241

Morin Attenuates Interleukin-1 β -Induced Inflammatory Response in Primary Rat Chondrocytes by Suppressing the Overproduction of Nitric Oxide and Matrix Metalloproteinases
JING SHI*, WEI YAO AND SHILEI PANG
242-248

Enhancement of the Physicochemical Properties of Poorly Soluble Lovastatin by Co-crystallization Techniques - In vivo Studies
GADDAM MADHURI, R. NAGARAJU AND K. N. KILLARI
249-259

Seed Extract-mediated Synthesis of Silver Nanoparticles from *Putranjiva roxburghii* Wall., Phytochemical Characterization, Antibacterial Activity and Anticancer Activity Against MCF-7 Cell Line
S. NAYAKA*, M. P. BHAT, B. CHAKRABORTY, S. S. PALLAVI, D. AIRODAGI, R. MUTHURAJ, H. M. HALASWAMY, S. B. DHANYAKUMARA, K. N. SHASHIRAJ AND CHANDANA KUPANESHI
260-269

Studies on Substituted Thienopyridine Carbonitriles as Src Inhibitors Using a Comprehensive In Silico Method
P. ZHANG, H. JIE, J. LIU, XIN-YUE ZHANG, W. ZHANG, M. LIU, YAN WANG, YI-FEI WANG, W. HUANG*, Z. LIU*
270-281

Enhancing Solubility and Bioavailability of Artemether and Lumefantrine through a Self-nano Emulsifying Drug Delivery System
S. N. GAIKWAD*, M. C. LONARE AND M. R. TAJNE
282-290

Polyphenol Profile, Antioxidant and Hypoglycemic Activity of *Acalypha hispida* Leaf Extract
H. ALFARISI, S. SA?DIAH AND T. WRESDIYATI*
291-299

Targeting NM23-H1-mediated Inhibition of Tumour Metastasis in Viral Hepatitis with Bioactive Compounds from *Ganoderma lucidum*: A Computational Study
S. PRAVEEN KUMAR, A. S. SMILINE GIRIJA* AND J. VIJAYASHREE PRIYADHARSINI
300-305

Swelling Kinetics and Corneal Hydration Level of Kaolinin-HPMC Hydrogel Film
ARUNIMA PRAMANIK, R. N. SAHOO, A. NANDA, K. P. PATTNAIK AND S. MALLICK*
306-314

Development and Validation of a HPTLC Method for Rivaroxaban in Human Plasma for a Pharmacokinetic Study
A. H. SHUKLA, P. J. SHAH, P. P. DEDHIYA*, B. A. VYAS AND S. A. SHAH
315-320

Antiproliferative Effect of *Ornithogalum balansae* on Human Cancer Cell Lines
N. EJDER, S. EKŞİ*, Z.A. YAZICI, FŞ. BERİŞ, S. MAKBUL AND B. UZUNOK
321-328

Strategic Design of Dicer Substrate siRNA to Mitigate the Resistance Mediated by ABCC1 in Doxorubicin-resistant Breast Cancer
A. K. GATTA, R. CHANDRASHEKHAR, N. UDUPA, M. S. REDDY, S. MUTALIK AND V. R. JOSYULA*
329-340

Conserved Water Molecule-dependent Docking Strategy and Atom-Based 3D QSAR Studies to Design Heat Shock Protein 90 Inhibitors
S. D. GUPTA*, C. V. S. SUBRAHMANYAM, N. L. GOWRISHANKAR AND N. M. RAGHAVENDRA
341-355

SHORT COMMUNICATIONS

Quality Control Standardization and Comparative Anthelmintic Activity of Different Extracts from *Evolvulus alsinoides* L
SUMAYYA HALIM, RUPALI S. PRASAD AND M. DHOBI*
356-361

Oleanolic Acid Induces Apoptosis and Necrosis in Lo2 Cells
QINGWEN XIAO, YUANFU LU AND XIUPING CHEN*
361-368

Green Tea Extract Exerts Anabolic Effects on Extracellular Matrix of the Skin
M. TURKOGLU, E. PEKMEZCI* AND S. KILIC
368-373

Green Synthesis and Antibacterial Activity of Gold Nanoparticles of *Digera muricata*
RIDA SHAH, S. A. SHAH*, SUMAIRA SHAH, S. FAISAL AND F. ULLAH
374-378

Bioactive Metabolites from Manglicolous Lichen *Ramalina leiodea* (Nyl.) Nyl.
V. B. TATIPAMULA, H. POLIMATI, K. V. GOPAIAH, A. K. BABU, SHYAMALA VANTAKU, P. R. RAO AND K. N. KILLARI*
379-384