

CONTENT

• Development of Nanostructured Lipid Carrier (NLC) as a Promising Carrier for Capsanthin <i>Nuri Ari Efiana, Khusnul Khotimah R, Ananda CPDP Irawan, Ernidawati, Dzakira Tsabita Atmaji, Farahidah Muhamed, Fatema Tuz Zohera, Adi Permadi, Iis Wahyuningsih.....</i>	2941
• Refined Liquisolid System for Enhancement of Dissolution rate Using Piroxicam <i>Madan A.K., Madan Kumud.....</i>	2948
• Solvent selection for Extraction of Charantin in bitter gourd and comparative quantification by Reverse Phase High Performance Liquid Chromatography (RP-HPLC) <i>Gajanan Solunke, Arunava Das.....</i>	2957
• Design, Development and Evaluation of Herbal Nanogel containing <i>Achyranthes aspera</i> <i>Nishinandan R. Suryawanshi, Nagoba S. N., Payal Agarkar, Rutuja Chavan, Rushikesh Patil, Pritee Mehtre, Nilesh Dhanve.....</i>	2961
• Laxative Potential of <i>Cassia alata</i> Leaves Extract: <i>In Vivo</i> Study <i>Isdoni, Amaq Fadholly, Siti Sa'diah, Aulia A. Mustika, Trifena Angelina, Alifia M. Nanginda.....</i>	2967
• Safety Pharmacology Evaluation of Herbal Formulation: A Preclinical Core Battery Approach in Alignment with ICH Guidelines <i>Sampada S. Bhosale, S. Sivakkumar, Arulmozhi S.</i>	2971
• Structure-based Drug Design Approaches Disclose Natural Molecules as Potential Cancer Immunotherapeutics via Modulation of HA2AR Receptor <i>Abdulrahim A. Alzain, Alaa. A. Makki , Hagar M. Mohamed, Rayan Yousif, Mohammed A. Almogaddam, Wadah Osman, Ahmed Ashour, Mohammed Hamed Alqarni, Ahmed I. Foudah, Asmaa Sherif, Sabrin R.M. Ibrahim..</i>	2980
• Development and Validation of RP-HPLC Method for the Assay of Prochlorperazine Maleate in Tablet Dosage Form <i>Vishant Chauhan, Ritu Chauhan, Anirudha Malik, Babita Kumar, Gaurav P. Singh, Meenakshi Dahiya, R.S. Raghuvanshi.....</i>	2991
• Development of an Optimal Method for the Quantitative Determination of 1-(β phenylethyl)-4-amino-1,2,4-triazolium Bromide in a solution for Injection <i>Kucherenko Liudmyla, Derevianko Natalia, Borsuk Serhii, Khromylova Olga, Bihdan Oleksii, Dmytro Skoryna....</i>	2998
• Pharmaceutical Validation of <i>Rasapachaka</i> Syrup – A Formulation for Adolescents <i>Jalpa D. Patel, Shilpa B. Donga, Harisha C.R., Shukla V.J.</i>	3003
• HPTLC Innovations: Estimation of Ursodeoxycholic Acid in Bulk and Tablet Formulation <i>Aakanksha C. Kumbhar, Kumudini R. Pawar.....</i>	3010
• Antioxidant and Anticancer Activity of Mangosteen (<i>Garcinia mangostana</i> L.) Leaf Extract against Human Hepatocellular Carcinoma (HepG-2) Cells <i>Susanti Erikania, Ronnawan Juniatmoko, Arikha A. Susilowati, Tatiana S.Wardani, Rahmat A Hi Wahid.....</i>	3017
• <i>Portulaca oleracea</i> Ethanolic Extract Ameliorates Colchicine-induced Cognitive Deficit and Oxidative Injury in Rats: A Potential Therapeutic Approach for Alzheimer's Disease <i>Surekha Ramachandran, Aishwarya Vedagiri, Sumathi Thangarajan.....</i>	3024
• Innovative Buccal Films with <i>Calendula officinalis</i>: A Mucoadhesive Approach for Treating Oral Ulcers <i>Gayatri B. Patil, Avinash S. Bhosale, Sakshi H. Puttawar, Omkar B. Bade, Suraj K. Kalebag.....</i>	3031
• Characterization, Antimicrobial Activity and Antioxidant Properties of <i>Grewia tiliifolia</i> Root Mucilage as a Binder Excipient <i>Varsha Rawat, Smriti Dewangan, Rakesh Tiwle.....</i>	3037
• Optimization, Production and Partial Purification of an Extracellular Alkaline Protease from Halophilic Bacterium <i>Bacillus licheniformis</i> EBPL0007 <i>Ramprasath C, Suganthi M, Ashok Kumar K, Jayanthi M, Amudha P, Vivek P, Sathya Priya R, Abirami G.....</i>	3045
• Repurposing Orlistatanalogues: A Ligand-Based Screening Approach using Morgan Fingerprints for Novel Therapeutic agents for Obesity <i>Adivarekar S. S., Udugade B.V., Biraje T. M., Palamkar P. S., Udugade S. B., Gaikwad T.K., Pujari M. M., Kandeale S.V.</i>	3051

• Nematicidal potency of <i>Hydnora abyssinica</i>, <i>Tuber indicum</i> and <i>Agaricus impudicus</i> extracts against <i>Meloidogyne incognita</i> infecting Eggplant under screen house conditions <i>Waill Elkhateeb, Gaziea M. Soliman, Mahmoud Emam, Ghoson Daba</i>	3057
• Traditional Siddha Medicine: Panchamuga Chendhuram (PMC) Preparation and Standardization using Sophisticated Analytical Instrument <i>Rajalakshmi Shanmugavelan, Mohamed Musthafa M</i>	3067
• ADMET properties, antioxidant activity and determination of Artocarpin level in hydroalcohol extract of <i>Artocarpus lakoocha</i> Buch. Ham leaves <i>Denny Satria, Nazliniawaty, Olivia Avriyanti Hanafiah, Dewi Pertiwi, Syukur Berkat Waruwu, Vera Estefania Kaban</i> ..	3073
• Arjuna Bark-Infused Herbal Suppositories: A Novel Approach for Treating Asherman Syndrome <i>Sakshi H. Puttawar, Avinash S. Bhosale, Gayatri B. Patil, Omkar B. Bade, Suraj K. Kalebag</i>	3080
• Comparative efficacy of Platelet Rich Plasma (PRP) vs Triamcinolone injections in Periarthritis Shoulder: Unveiling long-term benefits <i>Puneet Kamra, Nitin Rawal, Sansar Chand Sharma, Mrudul Kyada, Akshay Vadhrolia, Akshay Bhatiya</i>	3085
• Fortification of Meat Burger with Protein Isolate Extracted from Local Pumpkin Seeds <i>Israa Obaid al-karaquly, Aswan H. Bayar</i>	3089
• Biosynthesis of Silver Nanoparticles using <i>Artemisia absinthium</i> leaf extract and Evaluation of its Antibacterial and Antioxidant activities <i>Airemwen Collins Ovenseri, Halilu Mshelia Emmanuel, Kakkaba Amina, Ayman M. Al-Qaane</i>	3094
• Host Modulation Therapy (HMT), An Indispensable Part of Periodontitis Treatment: Case Report <i>Dewina Marsha Larasati drg., Sp. Perio, Claudia Michelle Darjanki drg., Sp. Perio, Prof. Dr Agung Krismariono drg., Sp. Perio (K), Dr. Mohammed Ahmed Aljunaid, Dr. Huda Rashad Qaid, Dr. Baleegh Alkadasi</i>	3101
• Exploring Pathway for the Identification of Potential Ligands against Focal Cortical Dysplasia <i>Ruchi Yadav</i>	3105
• Synergistic effect of Atorvastatin and Fenofibrate in Doxorubicin Induced Cardio-Nephrotoxicity <i>Diksha Verma, Dinesh Kumar, Ramica Sharma</i>	3110
• <i>Gynura procumbens</i> Extract Ameliorates Metabolic Dysregulation by Preserving Glucose and Lipid Homeostasis in High Sugar Diet-fed Mice <i>Most. Khadiza Khatun, Md. Kamrul Hasan Kazal, Romana Jahan Moon, Rakhi Chacrabati, Chayon Goswami</i>	3117
• Lowering Blood Glucose Activity of the combined Mulberry (<i>Morus alba</i> L.) and Cinnamon (<i>Cinnamomum burmannii</i> Nees and T.Nees) extracts in diabetic rats <i>Sri Ningsih, Idah Rosidah, Kurnia Agustini, Prasetyawan Yunianto, Kyu Jong Lee, Julham Efendi, Nurhadi</i>	3127
• Formulation and Evaluation of Gastroretentive In situ Gel of Captopril <i>Keyur S. Patel, Kinjal R. Baria, Deepa R. Patel, Kunal N. Patel</i>	3133
• Ameliorative effect of Sodium Cromoglycate in Isoniazid-Induced Hepatotoxicity in Mice <i>Sukhbir Singh Tamber, Suraj Sharma, Rai Barinder Singh, Ramica Sharma</i>	3139
• Analgesic and Anti-Inflammatory Activities of Water Extract from Green Algae (<i>Ulva lactuca</i> L.) <i>Wahyu Widyaningsih, Dwi Utami, Widyanari Febriyana Wulansari, Nafilah Nur Irsyad, Nafila Hana Rosyidawati</i>	3146
• Evaluation of the effect of Endogenous and Exogenous Antioxidants on Hypoxia Induced Breast Adenocarcinoma Cell Invasion and Migration: <i>In vitro</i> <i>Subarnarekha Maitra, Poulami Sen, Dibya Sinha, Tathagata Roy</i>	3153
• Formulation and Evaluation of Diclofenac Sodium Matrix Tablets using Tamarind Kernel Gum <i>Bharathi Arigela, Mani Sai Raja Sri Nitish Jillella, Achanti Suneetha</i>	3159
• Effectiveness of <i>Punica granatum</i> Peel Extract as an Antifungal agent in the patients with Denture Stomatitis - A Randomized Double Blinded Clinical Trial <i>Mahalakshmi V., Jyothirmai K., Sudhakara Reddy, Atla Srinivas Rao, K.T. Sunil Kumar, Veerakumari M</i>	3164
• Antioxidant and Sunscreen activity test of Hydrogel Methanol Fraction of Robusta Coffee Beans using <i>In-vitro</i> Method <i>Tika Afriani, Linda Hevira, Nurul Fadillah</i>	3169
• Optimization and in-vitro evaluation of chitosan based gel containing extracts of <i>Hibiscus rosa sinensis</i> flowers and <i>Murraya koneigii</i> leaves for improved Antidandruff potential <i>Manoj Balasaheb Shinde, Ajinkya Prakash Kadam, Dhanashri Dattatray Yadav, Zarin Riyaz Sayed, Priyanka Ramdas More</i>	3178
• Effect of Nishamalaki on cerebellum and cerebral cortex in Rat Model of Diabetic Depression <i>Sreerag P, Anchana Babu, Nayanatara AK, Shyamala Nayak, Megha Gokul, Ashwathi K, Rekha D Kini, Anupama N, Vandana Blossom</i>	3185

- **Effect of Diaphragmatic Strengthening on Muscle Thickness and Velocity of Diaphragm Excursion in High Body Mass Index Individuals**
Vengata Subramani Manoharan, Ramani Subramaniam, Kotteswaran K, Santibuana Abd Rahman..... 3191
- **Potential of Earthworm *Lampito mauritii* in Vermiremediation of Heavy Metals (Co, Ni and Cd) from Different Combinations of Animal Dung with Kitchen Wastes**
Nishat Fatima, Keshav Singh..... 3196
- **Reduction of nitroaromatic compounds using Cu-Ni-EDTA bimetallic MOF: An exceptionally quick and reliable approach**
Jayasree Komara, Jaya Prasanthi Karumuri, Alluraiah Gurralla, Lakshmi Thalabathula..... 3204
- **In Silico Analysis of α -Mangostin Derivatives: Investigating Their Interaction with B-cell Lymphoma 2 (Bcl-2) Receptor**
Regina Andayani, Ajuanda Puteri, Aiyi Asnawi, Purnawan Pontana Putra..... 3212
- **Bridging Competency Gaps in Indian Pharmacy Education: Student perspectives from five states of Southern India**
Sultan Muhammad Salahudeen, Muhammad Hasan, Muzibunnisa Begam Abdul Hathi, Hiba Sultan, Jasimudeen Sulaiman, Avanapu Srinivasa Rao..... 3221
- **Development of Mesalamine Self Nanoemulsifying Drug Delivery System to Improve Solubility and Permeability**
Anilkumar J. Shinde, Rohan R. Mirase, Firoj A. Tamboli, Dinanath T. Gaikwad, Harinath N. More..... 3228
- **Simultaneous Estimation of Solifenacin and Mirabegron in Bulk drug and Tablet Dosage Form by RP-HPLC Method**
Rahul Godge, Ganesh Shinde, Rohini Gore..... 3236
- **Development and validation of new spectrophotometric methods for the estimation of Ebastine**
Tangeti Nischala Sai, Mukthinuthalapati Mathrusri Annapurna, Vejandla Swathi Lakshmi..... 3240
- **Analytical QbD Assisted RP- HPLC Method Development and Validation for Estimation of Anti-diabetic Drug Remogliflozin in Bulk and its Pharmaceutical Dosage form**
Vidhi Dave, P. U. Patel..... 3244
- **Integration of Advanced Technology in Forensic Odontology: Revolutionizing Identification and Forensic Analysis**
Yessy Andriani Fauziah, Ida Bagus Narmada, Eveline Yulia Darmadi, Anneke Paramita Adityatama, Dian Agustin Wahjuningrum, Ahmad Yudianto, Arofi Kurniawan..... 3250
- **The effect of *Borassus flabellifer* Linn. Flower extract on human Endometrial Cancer Ishikawa cell lines In - vitro**
Madhuri Sunil Mohite Patil, Hemant Kumar Singh Yadav, Abhay Raizaday..... 3258
- **Unravelling the Potential of Trisubstituted Imidazole Derivatives to Combat Hyperglycemia: An *In vitro* and *In silico* Approach**
Anila Mishra, Zeeshan Fatima, Akash Ved, Sajal Srivastava, Mohammad Yasir..... 3262
- **Short Term-Subacute and Chronic Toxicity Studies on The Mucilage of *Plantago ovata*, A Novel Natural Compound Administered by Oral in Wistar Rats**
Chandra Sekhar Naik. D, Shaik Abdul Rehman, Shaik Jafar Ali, K. Uday Kiran, Md. Zulekha..... 3268
- **To Develop and Validate RP-HPLC Analytical Technique for the Solid Dosage Forms of Dapagliflozin and Metformin Hydrochloride**
Ragini Ghotale, Sameep Sonvane, Kranti Satpute, Mahesh Birajdar, Balaji Shetkar, Gopal Lohiya, Prakash Shivnechari..... 3273
- **Antioxidant Activity of Moringa Seed Oil (*Moringa oleifera* Lam.) Nanoemulsion Cosmetics Cream and Serum**
Mahdi Jufri, Saintica Luthfia Utama, Asri Kartika Ratri, Bunga Atqiya Qutrunnada, Roshamur Cahyan Forestrania, Tommy Julianto Bustami, Adilah Marwa..... 3278
- **TGF- β 1 and RUNX2 Expression Post Induction Combination of *Nigella sativa* Seed Extract and Xenograft in Post Tooth Extraction Socket**
Utari Kresnoadi, Muhammad Genadi Askandar, Agus Dahlan, Tengku Natasha Eleena Binti Tengku Ahmad Noor... 3286
- **Method Development and Method Validation of Phosphodiesterase-5 Inhibitor (PDE5-I) and Anti-Diabetic in Diabetic Nephropathy in Animal Model Using RP-HPLC Method**
Pranay M. Uplenchwar, P. B. Mohite..... 3290
- **Anti-cancer activity of Homogentisic acid 2-O-I-D-glucoside (Phaseoloidin) and Exploration of its underlying Molecular mechanism**
Chandana Choudhury Barua, SM Abdul Aziz Barbhuiya, Syamprasad Np, Ajay Kakati, Lipika Buragohain, Suheena Shirin Barbhuiya..... 3295

• COX-2 as a Therapeutic Target: An in Silico Approach to Indole Alkaloids for Analgesic Discovery <i>Swati Jain, Sukhwant Singh</i>	3302
• Formulation and <i>In vitro</i> Evaluation of Matrix Patch of Doxazosin Mesylate for Transdermal Delivery <i>N. Madhavi, Ch. Saikiran, B. Mounika, B. Swetha, T. Rama Rao</i>	3307
• Anti-depressant Activity of Carboxylate Derivatives for the treatment of Corticosterone and Lipopolysaccharide-induced depression in mice model <i>Amit Kumar Sharma, Vikramdeep Monga, Tanveer Naved</i>	3314
• Quality Aspects of Stem of <i>Cryptolepis dubia</i> (Burm. F.) M. R. Almeida on the basis of Pharmacognostic Physicochemical and Chromatographic Evaluation <i>Shyam Baboo Prasad, Akshada Murkute, Prasad GP, Arun M Gurav, Mangal AK, Shiddamallayya, N. Srikanth, Rabinarayan Acharya</i>	3324
• Association between Forced Vital Capacity and Neutrophil to Lymphocyte Ratio in Type 2 Diabetes Mellitus <i>R. Abiramasundari, B. Dharani, S. Sugantha Priya, R. Shanthini</i>	3330
• Development and validation of new spectrophotometric methods for the estimation of Risperidone <i>Vejandla Swathi Lakshmi, Mukthinuthalapati Mathrusri Annapurna, Tangeti Nischala Sai</i>	3336
• Formulation and Evaluation of Herbal Mosquito Repellent Spray <i>Shital D. Godse, Sabeeha A. Kamal, Aniket S. Nimbalkar, Vinod Shinde</i>	3340
• Limb conformation of Indian Sporting Horse for Tent Pegging Sport <i>Rajkumar Gadpayle, V. N. Khune, Rupal Pathak, Yashwant Atbhaya, Ramchandra Ramteke, Dhananjay Jolhe, Shivesh Deshmukh, Shabir Kumar Anant, Ashutosh Tiwari</i>	3345
• Ultra-Deformable Transethosomes: A Novel Tool to Strengthen Transdermic Drug Delivery an Overview <i>Vijeta Bhattacharya, M. Alagusundaram</i>	3352
• Study on Chemical Compounds and Plant Bioactivity of <i>Rhinacanthus</i> sp - Review Article <i>Candra Irawan, Berna Elya, Muhammad Hanafi, Abdul Mun'im</i>	3358
• The use of Antihypertensive Therapy in Hemodialysis and the Urinary System as a Conceptual Model <i>Chergizova B, Ishigov I., Ryspayeva G., Ashimbekova B.A., Kharissova N., Mkhitarian X., Smirnova L</i>	3366
• A Comprehensive data to Understanding the Molecular Mechanism Involving Breast Cancer <i>Shashikala Bhagat, Renuka Ekka, Bharti Ahirwar</i>	3374
• Innovative Drug Delivery with TiO₂ Nanotubes: Targeted Approaches and Applications <i>S. A. Bhagat, S. L. Patwekar, M. S. Gajale, R. B. Rajmane</i>	3385
• Transdermal Drug Delivery System: Current Progress and Prospects for the Future An Overview <i>Gopal Thakur, Pallavi Bassi, Kritika Garg, Neha Kumari</i>	3396
• A Comprehensive Review on a Promising Source for Anticancer Research: <i>Sansevieria</i> <i>S. Sibi, R. Mythreyi, Litty Joseph</i>	3404
• Finding Horcruxes of Mitochondrial Dysfunction in Cardiac health and aging and Amelioration through Triphenylphosphonium Conjugates <i>Sadhana Jaiswal, Deepali Rajwade, Preeti Mehta, Hemant Kumar, Sumit Rajput</i>	3408
• In-Depth Review of Advanced Techniques in Protein Engineering in Therapeutic Innovations <i>Sasikala Chinnappan, Mohamed Suhail, Venkatalakshmi Ranganathan</i>	3419
• A Review on Therapeutic Targeting of Free Radicals in Cancer: Current Strategies and Future Directions <i>Sasikala Chinnappan, Santhosh Venkatesan, Venkatalakshmi Ranganathan</i>	3428
• Circulating Micro RNAs as Diagnostic Signatures for Amyloid Beta Toxicity in Alzheimer's Disease <i>Rasha M. Hussein, Heba A. Al Jarajreh, Tala M. Al Matarneh</i>	3436
• Oral Delivery of Lipid Nanosystem: Pharmacokinetics and Pharmacodynamic Advances <i>Omkar Salunkhe, Namdeo Jadhav, Ashok Hajare, Shiju Sebastian, Punam Kumari, Puja Malhotra</i>	3444
• The Treatment of Neurological Disease via Green Metallic Nanoparticles <i>Pradnya Uttam Wananje, Aishwarya S. Patil, B. S. Wakure, S. V. Pimpale</i>	3453
• Instructions to author	3460