

CONTENT

- **Proximate Composition and Mineral Analysis of Moringa Leaf Extract**
Rinawati Sembiring, Santhna Letchmi Panduragan, Sathees Babu Natarajan, Agnes Purba, Henny Syapitri Elsarika Damanik, Ruma Poddar, Hafizah Che Hassan 3463
- **Method Development and Validation of Fexofenadine and Montelukast in Pure and Pharmaceutical Formulation**
Manjusha Pandharinath Mhaske, Payal Sopan Gawali, Pratibha Sudhakar Bhalerao, Mahesh Hari Kolhe, Rohit Jaysingh Bhor, Ganesh Shashikant Shinde, Sudarshan Balasaheb Kakad 3468
- **A Comprehensive Approach to Method Development and Validation for Simultaneous Quantification of Dapagliflozin, Vildagliptin, and Metformin in Tablet Formulation using HPLC**
Bhuvnesh Kumar Singh, Ashok Kumar Rajpoot, Neelanchal Trivedi, Harishchandra Verma, Anil Kumar, Nikhil Singh, Neha Tamta, Nishi Sharma 3473
- **Enhancing Nifedipine Dissolution through Liquisolid System: Formulation, Optimisation and Evaluation**
S.D. Mankar, R.S. Daud, S.S. Siddheshwar, M.P. Mhaske 3480
- **Impact of Patient Counselling in Hypertensive and Diabetes Mellitus Type-II Patient**
Janice Sequiera, Siddhi Pandya, Sunita Vala, Nipul Kapadia, Shardul Singh Parihar, Vaibhavkumar Patel, Dhaval Patel.. 3487
- **Formulation and Evaluation of Solid Dispersion Based Pediatric Jellies of Risperidone**
Zahraa K. Hussein, Khalid Kadhem Al-Kinani 3492
- **Formulation and Characterisation of Herbal Ethosomal Gel of Luliconazole and Clove Oil for Modified Drug Diffusion to the Skin**
Bhanu Pratap, Shamim Khan, Shadab Ali 3501
- **Formulation Development and Optimization of Sustained Release Tablets of Gliclazide using Central Composite Design**
Danga Neelima, Vasavi Laveti, Karakavalasa SVVS Sai Sampath, Geethika Gorinka, Rama Devi Korn 3509
- **Development and Validation of a New Stability Indicating RP-UFLC Method for the Simultaneous Estimation of Velpatasvir and Sofosbuvir in Pharmaceutical Formulations**
Asia, Revu Baby Nalanda 3517
- **Validation and Development of a Robust RP-HPLC Method for Simultaneous Estimation of Ciprofloxacin and Ornidazole in Pharmaceutical Formulations**
Narendra R. Dighade, Hina D. Mehta, Namrata Mane, Seema Mendhekar, Mayuri Deshmukh, Vinod M. Thakare 3525
- **Comparative Analysis of Gastric Mucosal damage in Wistar Rats Subjected to Varying Doses of Ibuprofen**
Alpha Fardah Athiyyah, Andy Darma, Khadijah Rizky Sumitro, Reza Gunadi Ranuh, Rabiatal Adawiah, Wibi Riawan, Widjiati Widjiati, Subijanto Marto Sudarmo 3530
- **Impact of Gaming Technology on Stress and Hand Function in Patient with Hemiparesis: A Case Study**
Vignesh Srinivasan, Poovarasana Murugaiyan, Varalakshmi Ruthubalan, Prathap Suganthirababu 3537
- **Computational and Systematic Analysis of Zosurabalin (RG6006) against Cancerous and Pathogenic Microbial Proteins**
Sadia Afrin, Rezwan Ahmed Mahedi, Mustafa Jawad Kadham, Mohammad Chand Jamali, Swapnil Das, Hrishik Iqbal, Raed Fanoukh Aboqader Al-Aouadi, Djumaniazova Mukhayya Xusinovna, Abdul Kareem J. Al-Azzawi, Nikolaus Syrmos, Akayed Hasan, Mustafa Mudhafar 3541

• Simultaneous, Development and Validation Measurement of Empagliflozin and Linagliptin for Glyxambi® Tablets using TLC and RP-HPLC Nabil A. Alhemiary, Mohammed A. Helmi.....	3549
• Antioxidant Activity and Caffeine content of Cascara from <i>Coffea canephora</i> Var. <i>Robusta</i> in Pangandaran West Java: A Study for Potential of Antihyperpigmentation Sani N. Fitriansyah, Nisa Saonah, Umi Baroroh, Irma E. Herawati, Muhammad Ikhlas.....	3557
• Formulation Development for ER Tablets of Furosemide with Statistical Optimization and Characterization by RSM Factorial approach Shakeel Memon, Aney Joice, Dilnawaz Pathan, Aasia Patel.....	3565
• Evaluation of Cardioprotective Activity of <i>Magnolia officinalis</i> Bark Extract against Doxorubicin Induced Toxicity in Mice Sidhant Sharma, Rajdeep Kaur, Jyoti Gupta, Nisha Devi.....	3572
• Detection of Antioxidant Properties using TLC-Bioautography Technique, Inhibitor Tyrosinase Activity and Anti-toxicity against B16F10 and Vero Cells from Extracts of Marine Sponge Diah Tri Utami, Erna Prawita Setyowati, Yosi Bayu Murti, Edy Meiyanto, Wirasti.....	3579
• Cytotoxicity Testing Avocado Seed Extract (<i>Persea americana</i> Mill.) against Human Gingival Fibroblast Cells as an Alternative to Curettage Irrigation Nur Ariska Nugrahani, Nabilah Fitri Annisa, Edi Karyadi, Cahyani Cahyani.....	3586
• Research on Morphological, Anatomic, and Diagnostic Signs of the <i>Portulaca oleracea</i> L herb Nasser R.A., Potanina O.G., Bobkova N.V., Bokov D.O., Nikulin A.V., Bessonov V.V., Luferov A. N., Abramovich R.A....	3593
• Development and Validation of Stability-indicating RP-HPLC Method for the Simultaneous Estimation of Metformin and Ertugliflozin Swathi Naraparaju, Sowmya Deeti, Soujanya Chaganti, Karuna Devi Barla, Durga Pani Kumar Anumolu.....	3599
• Evaluation the effect of Metformin and/or Omega-3 on the Development of Breast Cancer in Albino Wistar Rats Noor Baddour, Ahmad Al Manadili, Ramez Wannous.....	3606
• Mangosteen Peel Extract and Mahogany Seed Extract Combined: Antihyperglycemic Activity and Acute Toxicity Rifa'atul Mahmudah, Dian Rahmaniar Trisnaputri, Risky Juliansyah, Wa Ode Rahmafia, Karnila Nur Pitasari.....	3613
• Nanomedicine approach to Malaria Treatment: Artesunate-Loaded Solid Lipid Nanoparticles Development and Evaluation Kiran Gound, Purva Chandorkar, Swati Jagdale.....	3622
• Green Synthesis of <i>Nerium oleander</i> leaves extract Silver Nanoparticles and Evaluation of its Antibacterial and Antioxidant Activities Ashraf Ali Hamid Alashhab, Halilu Mshelia Emmanuel, Airemwun Collins Oveneri, Johnbull Aiwaguore Obarisiagbon....	3629
• Efficacy of Natural Formulation using <i>Chamaecostus cuspidatus</i> Extract against Scalp Yeast and Bacterial Infections Lingeswaran K, Jennison Thomas J S, Shri Ram Amruta Dalai, Sridevi.G, Bhavani. M, V. Rajalaxmi.V.....	3637
• Unveiling the Antioxidant Power: Exploring Phytochemical Composition and <i>In vitro</i> Antioxidant Evaluation of Leaf Extract from <i>Euclea racemosa</i> Betelhem Hailu T, Naveen Kumar A.D, Zenebe Teka M, Zenebe Hagos, Teklay Meles G, Gebgrekidan K, Salah Hamza S, Kamalakararao K, Krishna Chaithanya K,Sudhish Rai.....	3641
• Design, Synthesis, Characterization and Antimicrobial, Anti-Inflammatory Activities of Novel Mannich Base Derivatives Chandravadivelu Gopi, Magharla Dasaratha Dhanaraju, Menda Abel, Koruprolu Bhavana, Madem Jeevana Jyothi, Mallampalli Suvani, Mathalla Bharathi.....	3648
• Development and Optimization of Amlodipine besylate microspheres by 3-factor–3–level Box-Behnken design Suvendu Kumar Sahoo, Rabinarayan Parhi.....	3655
• Anti-Dandruff Shampoo Emulgel VCO (Virgin Coconut Oil): Formulation and Stability Study A. Mumtihanah Mursyid, Audia Triani Olii, Risda Waris, Asni Amin.....	3662

• <i>In-vitro</i> and <i>In-silico</i> Studies to Validate the Repositioning of Roxithromycin in Breast Cancer	
Mahima Mahima, Tarique Mahmood, Farogh Ahsan, Akash Ved, Monu Kumar Kashyap	3669
• Design, Synthesis and Anti Cancer Evaluation of novel 1, 3, 4-oxadiazoles	
Meghna H. Seta, Monika T. Kyada	3677
• Formulation and Evaluation of Mouth Dissolving Film of Ginseng	
Rakshanda Dhuliya, Yogita Ale, Neha Kandpal, Nidhi Nainwal, Vikash Jakhmola	3684
• Validation of Stability Indicating UPLC Method for Quantification of Lumateperone Impurities and Structural Characterization of Stress Degradation products of Lumateperone by UPLC-MS/MS	
Gayathri Devi Ketineni, Risy Namratha Jamullamudi	3691
• Bioanalytical Method Development and Validation for The Estimation of Metformin and Empagliflozin in Blood Plasma by using RP-HPLC	
Shrikrishna B. Baokar, Rajendra N. Patil, Aditya N. Pandey	3699
• Exploring Diabetes Awareness by Authenticating the Knowledge of Non-Medical University Students	
Khin Than Yee, Myat San Yi, Tin Moe Nwe, Soe Lwin, Thida Than, Mya Mya Thwin	3703
• Xanthine Oxidase Inhibitory Activity of <i>Paronychia argentea</i> L.	
Jalal Fandi, Reem Mohammad, Hasna Alhaj Hussein, Habib Abboud	3711
• Formulation, Evaluation and Acute Oral Toxicity Study of Polyherbal Syrup TCZoAP	
Vaishnavi P. Patil, Pornima A. Sontakke, Manswi R. Deore, Gunjansing D. Rajput, Pavankumar P. Wankhade, Devendra S. Shirode, Niraj S. Vyawahare	3715
• Exploring the use of Proton Pump Inhibitor and Dementia Risk in Diabetes Mellitus Patients: A Cross-Sectional Study based Approach	
Zuber Khan, Syed Sufian Ahmad, Mumtaz, Nishat Amina, Mohammad Ahmed Khan	3723
• Stability Indicating Method Development and Validation for Quantification of Impurities in Melitracen Hydrochloride, An Antidepressant Drug Using Reverse Phase High-Performance Liquid Chromatography (RP-HPLC)	
Bhaskar Mangalapu, B. Srinivas, Sirigiri Ramathulasi, Ramesha Andagar Ramakrishna, Venkata Narayana Palakollu	3730
• Development of Potent Antibacterial Chalcone Derivatives Containing 2,4-Thiazolidinedione for Fighting Multidrug-Resistant <i>Staphylococcus Aureus</i>	
Kavitha Baburao, Naresh Kumar Panigrahi	3739
• UV-Vis Spectrophotometric Method of Amantadine Hydrochloride Analysis: Method Development, Validation and Application to Solubility Studies	
Archita Kapoor, Abdul Hafeez, Poonam Kushwaha	3742
• Practical and Cost-Effective Process for the Synthesis of Lurasidone Hydrochloride, An-Antipsychotic Drug Through an Efficient Control of Stereo Isomeric Impurities	
Mubarak Ali R. Sayyed, Prashant A. Patil, Sandip Dhumal, Dilip R. Birari, Leena N. Patil	3749
• Antibiofilm Activity of Active Isolates of Telang Ternate (<i>Clitoria ternatea</i> L.) against Oral Pathogenic Bacteria	
Hasyrul Hamzah, Sylvia Utami Tunjung Pratiwi, Milkhatun, Nur Atika Astriani, Ary Anggara, Mentarry Bafadal	3761
• Research of Biological properties of Pessaries with Probiotic Activity containing <i>Lactobacillus casei</i>	
Zh. M. Polova, L. P. Babenko, T. Nehoda	3767
• Comparative Study of Anthelmintic Activity of Aqueous and Ethanolic Extract of Leaves of <i>Centella asiatica</i> L.	
Jhuma Deb, Nilip Kanti Deb, Doyel Mukherjee, Soumya Saha	3773
• Combination of Zonisamide and α-Tocopherol in Pentylene tetrazol Induced Seizures using Zebra fish as Alternative Model	
Surendra Vada, Sukanya Paul, Radami War, Uday Raj Sharma, Nageena Taj, Haribabu T, Suresh Janadri, Ranjith Muniswamy, Gayathri S V, Jyotsna S K, Manjunatha M.	3777

Principal Component Analysis (PCA) of Total Phenolic Content, Antioxidant and Antimalarial Activities of <i>Rhizopora mucronata</i>, <i>Avicennia marina</i>, and <i>Sonneratia alba</i> Leaves from Lombok Island <i>Lina Permatasari, Handa Muliasari, Hilkatul Ilmi</i>.....	3785
Preliminary Phytochemical Screening and Anthelmintic Activity of <i>Artemisia vulgaris</i> Linn <i>Supriya Jagtap, Mukta Abhyankar, Aishwarya Nale, Vidhya Bhusari, Vandana Nikam, Minal Ghante</i>.....	3793
Design and Evaluation of Furan Incorporated 1,5-benzodiazepine Targeting M5-T4L Receptor as Antidepressant <i>Talitoshi Imchen, Abhishek Kumar, Pankaj Kumar, Gupta Dheeraj Rajesh, M Chandana Adiga, Krishnapriya K R, Aravinda Pai</i>.....	3800
Characterization and <i>In vitro</i> Release Testing of Asiaticoside Dry Nanoemulsion prepared by Spray Drying <i>Wardiyah, Mahdi Jufri, Sutriyo, Abdul Mun'im</i>.....	3807
A New Stability Indicating RP-HPLC Method for the Estimation of Bicalutamide <i>Hema, Naresh Panigrahi</i>.....	3817
Formulation of Lycopene Based Emulgel from Watermelon and Evaluation of Anti-inflammatory Activity on Wister Rats <i>Sourav Khawas, Soma Ghosh, Ranit Kanjilal, Kritika Modak, Milan Nandi, Wirla Chakraborty, Kishor Kumar Roy</i>	3824
GC-MS Metabolites of Duku (<i>Lansium domesticum</i>) Leaves and Bark Extract as Anticancer against MCF-7, Hela Cancer Cell, and Molecular Docking Revealed its Potential <i>Fitry Tafzi, Surhaini, Dian Wulan Sari, Indra Lasmana Tarigan, Madyawati Latief, Sofia Nurjannah</i>.....	3829
Revolutionizing Wound Treatment: Formulation and Evaluation of Tridax procumbens Loaded Nanosponge-Based Topical Gel <i>Suraj K. Kalebag, Avinash S. Bhosale, Omkar B. Bade, Sakshi H. Puttawar, Gayatri B. Patil</i>.....	3841
The Incident of Polypharmacy Prescriptions on Potential Drug Interactions: A Case Study in Geriatric Hypertension Patients <i>Rahmayanti Fitriah, Mahrta, Karunita Ika Astuti, Aditya Noviadi Rakhmatullah</i>.....	3847
Fabrication of Dolutegravir Sodium Cocrystals: Characterization, <i>In vitro</i>, <i>In vivo</i> Evaluation of Cocrystal Suspension Formulation <i>Bhagyashree Arun Patil, Sanjay Surana, Atul Shirkhedkar</i>.....	3857
Development and Validation of an Eco-Friendly UV Spectrophotometric Method for the Assay of Frusemide using Hydrotropic Solubilization Technique <i>C G Jincy, U S Jijith, K P Arunraj</i>.....	3865
Characteristics Analysis of Bovine Amniotic Membrane Carbonate Hydroxyapatite Bio-composite as a Candidate Material for Alveolar Bone Socket Preservation <i>Elly Munadzirah, Yassir Ahmad Azzaim, Intan Nirwana, Nurazreena Ahmad, Octarina</i>.....	3871
Long COVID-19 effect on Prevalence of Dental Caries and Periodontal Disease and Correlation with Salivary Total Antioxidant Capacity and Alpha Amylase Levels among Subpopulation of North Karnataka Region of India <i>Kiran R Halkai, Rahul Halkai</i>.....	3880
Pharmacophore Modeling, Virtual Screening and in Silico ADMET Analysis of Phenylpropanoid and Eugenol Derivatives as B-cell CLL/Lymphoma 2 (BCL-2) Inhibitors <i>Fadilah Fadilah, Linda Erlina</i>.....	3887
Cassava leaf extract (<i>Manihot esculenta</i> Crantz) as Antiinflammatory to Reduce Chronic Inflammatory Cells in Rats Liver Periodontitis Model <i>Zahara Meilawaty, Agustin Wulan Suci D., Amandia Dewi Permana Shita, Sofinatur Rohibah</i>.....	3895
Consumer Experiences of Mispurchase Associated with Drug Names <i>Irina Glazkova, Anastasia Sinitsyna, Tatiana Litvinova, Georgii Sarukhanian, Olga Savinova, Dmitriy Babaskin</i>.....	3901
First Report of the Antagonistic Fungus <i>Trichoderma simmonsii</i> in Cedarwood in Morocco <i>Narjisse Mokhtari, Oussama Chauiyakh, Safae EL Aammouri, Ahlam Mbarki, Mouhcine Gardoul, Fatiha Bentata, Abdelaziz Chaouch, Abderrahman Bouassab, Aziz Ettahir, Mohamed Chabbi</i>.....	3907

• Formulation and Evaluation of Herbal Peel-off Facemask from <i>Liquorice</i> extract	
<i>Shital D. Godse, Vinod Shinde, Aniket S. Nimbalkar, Sabeeha A. Kamal</i>	3911
• Formulation and Evaluation of Voriconazole Emulgel	
<i>Sanjesh G. Rathi, Kaushik Kamani, Bhoomi Patel, Shubham Singh, Yash Patel</i>	3917
• Isolation and Characterization of Active Constituents Present in the Newly Discovered <i>Crinum solapurense</i> Plant	
<i>Sunayana Mali, Gaurav Jain, Jyotiram Sawale</i>	3923
• Synthesis, Characterization and Dissolution Performance of Cocrystal of Cinnamic Acid with Nicotinamide: Experimental and Computation Investigation	
<i>Fery Eko Pujiono, Dwi Setyawan, Juni Ekowati, Tri Ana Mulyati</i>	3929
• A Comprehensive Review on Orthopedic Pain	
<i>Syeda Zuleqaunnisa Begum, Saritha Chukka, Mohd Akram</i>	3939
• Superdisintegrant: The Prerequisite for the development of Orodispersible Tablets	
<i>Ranu Biswas, Arindam Ghosh, Pritam Kapat, Sourav Mondal, Md Ahesan Ansari, Shounak Sarkhel</i>	3945
• <i>Pongamia pinnata</i>: A Comprehensive Review of its Pharmacognostical Studies and Pharmacological Activities	
<i>Akash Jakkannavar, Sneha Patil, Mrityunjaya Patil, Sunil Jalalpure, Akshay Patil</i>	3953
• Review on Nanoparticle Based Buccal Drug Delivery System	
<i>Akeela Farsana, Venkatalakshmi Ranganathan, Sasikala Chinnappan</i>	3961
• Emphasis on Therapeutic Beverages with Probiotics, Prebiotics and Synbiotics	
<i>Satyalakshmi S, Srinivasa Rao Y, Geetha Manisha S</i>	3969
• Solid Dispersion Technique: A Strategic Solution to Boost Solubility	
<i>Nidhi Jain, Babita Kumar</i>	3974
• Isolation of Microcrystalline Cellulose (MCC) from Rice Husk: A Review	
<i>Sylma Dhini Avitra, David Fernando, Marilyn Dian Laksitorini, Teuku Nanda Saifullah Sulaiman</i>	3979
• Advanced Techniques in Solubility Enhancement of Poorly Water-Soluble Drugs	
<i>Amrita Nayak, Rama Prasad Padhy, Deepak Kumar Bhatta, Gourhari Pal, Bhuneswari Bareha, Aanchal Gupta</i>	3987
• Use of Natural Gum in Poorly Water - Soluble Drug Solid Dispersion and Solubility Enhancement	
<i>Ajay Kumar Shukla, Vimal Kumar Yadav, Pushpendra Kumar, Aarti Tiwari, Jayanti Tiwari</i>	3995
• Harnessing Multi-walled Carbon Nanotubes to Overcome Cancer Resistance: Utility and Challenges	
<i>Pushpendra Kumar Khengar, Vivek Daniel</i>	4001
• Unveiling the Medicinal Benefits, Contemporary Phyto-pharmacological Potentials and <i>In-silico</i> Studies of <i>Achyranthes aspera</i>	
<i>Shreya Gupta, Prashant Kumar, Yogendra Pal, Pawan Kumar Gupta, Shiv Dev Singh, Shashi Bhooshan Tiwari</i>	4007
• Liposomes in Cosmetics: Formulation and Skin Delivery	
<i>Saba Shaikh, Ajaj Ahmad, Shaikh Noman, Mohd Aaqib Khan, Sohail Bakkar, Shaikh Mubeen Mehmood, Momin Mohammad Kaif Mohammad Ayaz</i>	4014
• Ribosome inactivating protein in medicinal plant (Bryonia)	
<i>Hemshankar Sahu Ujjwala Supe, Nikita Mishra</i>	4024
• LC-MS/MS and Antioxidant Activity of Extracts of <i>Kigelia africana</i> fruit	
<i>Piyush Raj Singh Chauhan, K. Sarvanan, Nitin Agrawal</i>	4032
• Investigation of Quinoline-based (4-oxo-1,4-dihydroquinolin-2-yl) methyl nitrate derivatives: Synthesis, Anti-cancer activity, Nitric oxide release and Molecular docking studies	
<i>Venkata Sowjanya Thanneeru, Naresh Panigrahi</i>	4038
• Instruction to author	4045