

CONTENT

- **Quantification and Analytical Validation of Olanzapine by Liquid Chromatographic Method through Isocratic Separation**
Uttam Prasad Panigrahy, Aswini Kumar Parida, Satyabrata Bhanja..... 5621
- **Formulation and Evaluation of Transdermal Patches of Clopidogrel Bisulfate**
Manisha Devram Gangurde, Dattatraya Manohar Shinkar, Sahebrao Sampat Boraste, Prashant Lakshaman Pingale, Sunil Vishvnath Amrutkar..... 5626
- **Preparation, Characterization and *In Vitro* Evaluation of Liposome-Coated Alginate Nanoparticle as Immune Adjuvant Candidate in RAW 264.7 Cells**
Dhadhang Wahyu Kurniawan, Syifa Khairunnisa, Tarwadi, Damai Ria Setyawati, Febby Nurdiya Ningsih..... 5633
- **Inhibition of a Biofilm using Rhamnolipid obtained from a Moderate halophile *Pseudomonas aeruginosa* SH-6**
Shabib Khan, Lolly Jain..... 5640
- ***In vivo* Evaluation of Dermal toxicity of *Ziziphus oenoplia* extract loaded Herbal hydrogel Films on New Zealand white rabbits**
Devlina Pal, Himangshu Sekhar Maji, Sugata Paul, Dibya Das, Sushomasri Maji..... 5645
- **Formulation of Herbal Oil using The Leaves of *Psidium guajava* and its Characterization**
Srividya S, Sumaiya Banu, Malathi B R, Premjanu N, Revathy R, Sridevi G..... 5651
- **Antifungal Potential of Combination of Papaya Seeds and Leaves Extract (*Carica papaya* L.) against *Candida albicans***
Anis Irmawati, Ovin Gabriella Notonugroho, Aqsa Sjuhada Oki, Raed Labib, Fitriatuz Zakia..... 5655
- **Evaluation of SIRT1 as a Potential Biomarker of Aging among Middle-Aged Individuals with Altered Serum Vitamin D Status**
Sumit Kumar, Shailaja Moodithaya, Usha Adiga, Desy TM, Neha Martin Honnali, Poulami Dhar..... 5663
- **Phytochemical Analysis and Antioxidant Study of Methanolic Extract of Leaves of *Alstonia scholaris* R. Br.**
Bhawana Sati, Nilip Kanti Deb, Soumya Saha, Jhuma Deb, Shownok Dey, Doyel Mukherjee..... 5669
- **Uncovering The Potential Mechanism of Action of Garlic as an Anti-Diabetic: A Computational Approach**
Salam R. 5675
- **Metabolite Profile Assessment and Phytochemical Comparative Studies of Ethanolic Extracts of Leaf and Flower Parts of Medicinal Plant *Epiphyllum oxypetalum* Lin. (Bramhakamal)**
Raje Siddiraju Upendra, Arpitha C T, Sanjay Shrinivas Nagar, R Karthik..... 5682
- **Fourth-generation Solid Dispersion of Poorly Water-soluble Cefixime Trihydrate: Development and Optimization**
Neha Srivastava, Maninderpreet Kaur, Seema Thakur, Amardeep Kaur..... 5693
- **Development and Validation of UV Spectrophotometric Methods for Quantitative Estimation of Antihypertensive Drugs in Fixed Dose Combinations: A Green Analytical Approach**
Shweta S. Borkar, Suwarna S. Bobde..... 5702
- **The efficacy of Metaverse-assisted Therapy for Cognitive and Physical Health Impairments: A Mini Systematic Review and Meta-analysis**
Muhammad Thesa Ghozali..... 5709
- **Formulation, Development and In - vitro Characterization of Doxorubicin loaded Solid Lipid Nanoparticles for the effective management of Lung Cancer Topic**
Mahima Trivedi, Shruti Rathore..... 5718

- **Evaluating Bone Forming agents on Bone Mineral Density in Vitamin D Deficiency: A Prospective Observational Study in a Rural Tertiary Care Setting**
Rajesh A. Maheshwari, Aditya Agrawal, Meet Patel, Mansi Maheshwari, Vipul Patil, Rajesh Hadia, Hemraj Singh Rajput 5723
- **The Effectiveness and Safety of Nifedipine and Magnesium Sulfate Combination in Managing Preeclampsia**
Nurhikma Awaluddin, Muh. Akbar Bahar, Mukarram Mudjahid, Sartini Sartini, Aadilah Aadilah..... 5729
- **The effects of *Elephantopus mollis* Extracts on the Migration, Invasion and Adhesion of Human Cervical Cancer Cells**
Tran Thanh Long, Do Thi Phuong Linh, Dang Minh Phuc, Dang Thi Phuong Thao, Nguyen Thi My Trinh,..... 5739
- **The Fruit pomace of *Antidesma thwaitesianum* Müll. Arg., the Sustainable Source as the Ingredient of Skin Care Products**
Kanittada Thongkao, Robert W. Owen, Yuttana Sudjaroen..... 5749
- **Targeting NOX2:An In-Silico approach with Phytoconstituents to Alleviate Oxidative Stress**
Payal Shah, Gaurang Shah..... 5758
- **Efficacy of Tenofovir Disoproxil-Lamivudine-Dolutegravir regimen in treatment of South Indian Adult Patients Living with HIV-1**
Pathan Amanulla Khan, Mahadevamma Lingaiah..... 5763
- **Mapping Research on Doping and Substance Abuse in Sports: A Bibliometric Study from a Pharmacological and Medical Perspective**
Suraj Kumar, Mithilesh Kumar Singh, Om Prakash Mishra, Gaurav Kumar Singh, Saroj Nayyar, Neetu Dutta, Rahul Kumar Paswan, Rajeev Choudhary..... 5769
- **Prediction of Combretum Activity as a Hepatoprotective through Screening of Active Compounds and Stabilization of Binding**
Samsul Hadi, Deni Setiawan, Pratika Viogenta, Amalia Khairunnisa, Kunti Nastiti..... 5778
- **An Investigation on Crystal Engineered Rivaroxaban in Developing Orodispersible film**
Venkatkrishna J, Preethi Sudheer, Prakruthi MB, Samikcha Rai..... 5785
- **Effect of Exopolysaccharide produced by *Levilactobacillus brevis* OR921362 on HEK 293 and HeLa cell lines**
Kondamudi Suman, Aruna Bandi..... 5793
- **Biochemical and Pharmacological Studies to Validate the Antiarthritic Potential of *Drynaria quercifolia* Rhizome**
U. M. Dhanalekshmi, T. Gowri, B. Ramya, R. Srinivasan..... 5798
- **Assessing the Effectiveness and Safety of Erythropoietin in Chronic Kidney Disease: An Observational Study**
Hemraj Singh Rajput, Shivangi Solanki, Saurabh Jain, Sneha Verma, Lisa Patel, Meet Ramani, Rajesh Hadia, Jitendra Lakhani..... 5807
- **Evaluation of Triclosan in Medicated Cosmetic Products**
Komal R Dhudashia, Nilesh Patel..... 5814
- **TLC Bioautography and *In vivo* Studies of *Averrhoa bilimbi* Fruit Extract for Investigation of Nootropic Activity against Scopolamine-induced Amnesia**
Gururaja M.P, Divya Jyothi, Janice Leedle Crasta..... 5821
- **Formulation and Evaluation of Oral Dispersible Tablets of *Piper betel* linn.**
Ram Gulumkar, Varsha M. Jadhav, Vilasrao Kadam..... 5827
- **Evaluation of *In vitro* Anti-Arthritic Activity of *Malachra capitata* against The Denaturation of Protein with The *In-silico* Molecular Docking**
Dhanshri. R. Shinde, Pradnya. N. Jagtap, Vaishnavi Kharat, Priyanka Devhare, Aftab Shaikh, Jayshree Nale, Aniket Garud.. 5833

● Right Coronary Artery-Right Atrial Fistula, Stroke and Infective Endocarditis in Young Women: A Case Report Dian Paramita Kartikasari, Achmad Lefi, Fajar Perdhana, Yan Efrata Sembiring.....	5839
● Computational Study of Bioactive Compounds from <i>Humulus lupulus</i> via Swiss-ADME and Protox-II Tripti Singh, Ashwani Mathur.....	5843
● Investigation of the Antidepressant Effect of <i>Paederia foetida</i> L. (Rubiaceae) in Methanolic Extract using a Mice Model Nikunja Kishor Mishra, Jyotirmayee Behera, Uma Mudi, Amiyakanta Mishra, Ranjan Kumar Jena.....	5850
● The Influence of <i>p</i>-hydroxyl group on the Synthesis of 2-Ethylhexyl 4-Hydroxycinnamate Suzana, Kholis Amalia Nofianti, Melanny Ika Sulistyowaty, Juni Ekowati, Ade Novianto, Tutuk Budiati.....	5855
● Utilization of Oxidation and Chelation reactions for Spectrophotometric Determination of Meropenem in Pharmaceutical Formulations Srinivasa Rao Narala, K. Saraswathi.....	5861
● Gelatin-PEG Based Metronidazole loaded Vaginal Delivery Systems: Preparation, Characterization, Antimicrobial Efficiency Sonam Ahuja, Patil Bhagyashri Nemichandra.....	5864
● Evaluation and Formulation of Eugenol-Enriched Betel Leaf Extract for Anti-Cataract Activity in Eye Ointments Mandar Uday Khot, Shalini Pannalal Patwa, Pravinlal Lalchand Kaithwar, Nehar Shyam Patwardhan, Akash Balu Shelke, Ruchita Dhangar.....	5873
● Perception of Pharmacists on Indonesia Health Service (<i>Satu Sehat</i>) Implementation: A Focus Group Discussion Lusy Noviani, Fonny Cokro, Devina Clara Alverina, Agnes Anania Triavika Sahamastuti.....	5879
● Development a Stability of Chloral hydrate in Extemporaneously Compounded Oral Suspension System Nagashekhara Molugulu, Sathiya Maran, Usha Sundralingam, Rajesh Sreedharan Nair.....	5886
● Preclinical Evaluation of Anti-hemorrhoidal Activity of L-carnitine L-tartrate (LCLT) via Stimulation of Anti-inflammatory and Antioxidant Activity in Croton Oil-induced Hemorrhoid Model Avinash A. Gunjal, Ashish V. Kulkarni, Devendra S. Shirode, Prasad K. Bairagi, Vasant Y. Chavan, Niraj S. Vyawahare.....	5891
● Maternal Vitamin D Status and Neurodevelopmental Health-Exploring the Journey from Womb to Brain Ashwija Shetty, Dinesh Upadhyay, Somashekar Shetty, Shivakumar Reddy, Pugazhandhi Bhaktavatchalam, Ranita Ghosh Dastidar, Lalu Krishna KN, Purnima Adhikari, Nandini Bhat, Suhani Sumalatha, Surendran Sudarshan.....	5899
● Bioanalytical Method Development and Validation of Bexagliflozin in Rat Plasma by LC-MS/MS Detection and its Application to A Pharmacokinetic Studies Sk. Mastanamma, Sure. Harika, Gula. Pavithra bai, SD. Anees begum.....	5906
● Pharmacological effects of S-methylmethionine sulfonium chloride (vitamin U) Solaiman Doba, Anna Buzlama, Egor Aleksenko, Olga Sviridova.....	5911
● Morphological and Anatomical Study of Raw Materials of <i>Patrinia intermedia</i> (Hornem.) Roem. et Schult., Growing in the Territory of Central Kazakhstan Itzhanova Kh.I., Boranbay A.M., Ishmuratova M.Yu., Akhmetova S.B., Abdrakhmanova G.M.	5917
● Development of Transdermal Patch dosage Form of Red Ginger (<i>Zingiber officinale</i> var. <i>rubrum</i>) for COPD Treatment Associated with Beta-2-Adrenergic Receptors Gene Polymorphism Amelia Lorensia, Rivan Virlando Suryadinata, Dian Natasya Raharjo, Marthy Meliana Ariyanti Jalmav,.....	5923

● Artificial Intelligence: Health Sector's ally or an Opportunist? <i>Anoosha Ajaz Bhat, Drishti Malik, Naveen Kumar, Mohamedanas Mohamedfaruk Patni, Suresh Kumar Srinivasamurthy</i>.....	5928
● Design, Molecular Modeling and Synthesis of Fluconazole Derivatives Targeting Sterol 14-Alpha Demethylase <i>Marina Fanus Aughli, Ahmad Ayoubi, Djamila Ben Hadda, Yaser Bitar</i>.....	5935
● Novel Stability-Indicating RP-HPLC Method for Estimation of Bexagliflozin in Bulk and Pharmaceutical Dosage form <i>A. Swetha, K. Supraja, P. Jyothi, D.P. Krutal, G. Tulja Rani</i>.....	5942
● <i>Eriodictyon californicum</i> Extract Inhibits Therapeutically Relevant Protein Tyrosine Phosphatase 1B <i>Chase Yost, Mark Vincent C. Dela Cerna, Savita Chaurasia</i>.....	5949
● Determination of Heavy Metals in Waste of Carbon Dioxide Extraction of <i>Scabiosa ochroleuca</i> L. by Inversion Voltammetry <i>Miras Oraz, Maira Zhunussova, Oleg Golubev, Raisa Abdullabekova, Gulnur Mamytbekova, Yerlan Suleimen</i>.....	5958
● Antileishmanial and Antibacterial Potential of Biosynthesized Silver Nanoparticles using <i>Carica papaya</i> Leaves Extract <i>Ramesh Kumar, Smrati Sharma, Oshin Verma, Sidhanshu Kumar, Kalpana Pai</i>.....	5964
● Isolation, Characterization, Anticancer Activity and <i>In Silico</i> Profile of Secondary Metabolite from <i>Opuntia elatior</i> Mill. <i>Willy Tirza Eden, Senda Kartika Rakainsa, Endah Widhiastuti, Harjono</i>.....	5971
● Investigating the Ethnopharmacology, Phytochemical Composition, and Pharmacological Effects of the Medicinally Significant Plant: <i>Ziziphus jujube</i> Mill. <i>Mrinal Sharma, Payal Mittal, Pradeep Goyal</i>.....	5981
● <i>In vitro</i> Anti-aging properties of Seablite (<i>Suaeda maritima</i>) Root Extract on Skincare Application <i>Kanittada Thongkao, Pimporn Thongmuang, Robert W. Owen, Yuttana Sudjaroen</i>.....	5991
● <i>In Vitro</i> and <i>In Silico</i> Analysis of Phytocomponents from <i>Stevia rebaudiana</i> Leaf Extracts as Anticancer Agents for Non-Small Cell Lung Cancer (NSCLC) Targeting EGFR Receptor <i>Prawin M, Simon Durai Raj C</i>.....	5999
● <i>In vivo</i> Anti-aging effects of Brown Algae Extract (<i>Sargassum polycystum</i>) on Zebrafish (<i>Danio rerio</i>) <i>Pramudita Riwanti, Yanu Andhiarto, Burhan Maarif</i>.....	6006
● Evaluation and Comparison of Salivary Malondialdehyde and Superoxide Dismutase Levels As Oxidative Stress Markers in Chronic Desquamative Gingivitis before and after Nonsurgical Periodontal Therapy – A Biochemical Study <i>Amitha Ramesh, Ayush Gupta, Avaneendra Talwar, Pranav Murthy, Shraddha Kabra</i>.....	6011
● <i>In silico</i> screening of selected coumarins and Polyphenols to treat Non-small cell lung cancer <i>Swastika Maity, Jaya Aakriti, Shivaprasad Shetty M, N.V. Anil Kumar, Krishnaprasad Baby, Usha Y Nayak, K Sreedhara Ranganath Pai, Yogendra Nayak</i>.....	6016
● <i>In vitro</i> and <i>In silico</i> approach in Evaluating the Immunomodulatory potential of Ethanol extract of <i>Sinapis alba</i> Linn. seed. <i>Deventhiran M, John Wyson W, Sheik Noor Mohamed M</i>.....	6021
● Chemical Components of 96% Ethanol Extract of Basil Leaves (<i>Ocimum basilicum</i> L.) and Evaluation of their Antioxidant Activities using DPPH Method from various regions in Central Java <i>Gharsina Ghaisani Yumni, Rini Primitasari, Rindu Hartin Suharno, Pratiwi Ayu Kusumaningrum, Sumantri, Sugito Chandra</i>.....	6028

• Development and Validation of Novel Simultaneous Equation and Absorbance Ratio Method for Simultaneous Estimation of Telmisartan and Azenidipine for Bulk and Pharmaceutical Dosage form using UV Spectrophotometry	
<i>Sarika R. Jadhav, Shashikant N. Dhole, Hemant P. Alhat, Nilesh S. Kulkarni</i>	6035
• Advanced Analytical Method Development and Validation for Comprehensive Impurity and Chiral Impurity Analysis of Cobicistat in Anti-Retroviral Regimens	
<i>Upama Surendra Singh, Navin Sainy</i>	6042
• Anti-Cancer Activity of some Organomercury (II) Complexes: Establishment of Structure-Activity Relationships	
<i>Jasjeet Kaur, Gurvinder S. Sodhi</i>	6049
• Changes in E-Cadherin Expression Levels between Obese and Normal Rat after Gonadotropin Hormone Stimulation	
<i>Siti Nurbaya, Numlil Khaira Rusdi, Diyah Kristianti, Eldafira, Nurhuda Sahar, Rosmalena, Conny Riana Tjampakasari, Berna Elya, Rozana Othman, Maifitrianti, Anna Wirdiani Fathiah</i>	6053
• Bridging the Gap: Precision Modelling Reveals Optimal 5-FU Dose Reduction for Dihydropyrimidine Dehydrogenase (DPD)-deficient patients	
<i>Manojkumar V, Felshiya Sherlie A, Aashika R, Asmath Begum S, Lakshmiaiswarya R, Sabariakilesh G, Arun KP</i>	6059
• UV Spectrophotometric Method Development and Validation for Quantitative Analysis of Cariprazine Hydrochloride	
<i>Ayesha Syed, Preeti Karwa, Ankita Mohanty, Srinu K N</i>	6065
• Physicochemical Analysis of Phalatrikadi Kwath Churna as Promising Antidiabetic Formulation	
<i>Sanjana Prasad, Swati Madan, A. K. Mangal, Ravindra Singh, Ashish Tripathi, Rashmi Singh</i>	6070
• Evaluation of Histochemical Profile and Numerical Indicators of <i>Salvia dumetorum</i>, Growing in Central Kazakhstan	
<i>Yana K. Levaya, Gayane A. Atazhanova, Margarita Y. Ishmuratova, Mussa E. Zholdasbayev, Aigul T. Medeshova</i>	6077
• Compatibility of Complete Blood Count Values between HumaCount 5D CRP and Sysmex XN – 1000	
<i>Bagus Dwi Irianto Widodo, Yeti Hernaningsih, Hartono Kahar</i>	6084
• Formulation and Evaluation of Ethyl Acetate Fraction of Parsley Leaves as Liposomes: <i>In vitro</i> and <i>In silico</i> Activity against <i>Malassezia furfur</i>	
<i>Silviana Hasanuddin, Bai Athur Ridwan, Dian Rahmaniar Trisnaputri</i>	6091
• Bosentan Solid Lipid Nanoparticle Development and Statistical Optimization Using 3² Full Factorial Design	
<i>Priyanka B. Varne, Ashok A. Hajare, Pournima S. Sankpal, Shubham J. Kamble, K. S. Patil</i>	6101
• Harnessing Nanocarriers for Targeted Drug Delivery in Parkinson's Disease: A Pharmacokinetic Perspective	
<i>Havizur Rahman, Hetty Lendora Maha</i>	6110
• A Comprehensive Review on Exploring the Therapeutical Potentials of <i>Randia dumetorum</i> Lamk	
<i>Shubham Sharma, Sunil Gupta</i>	6119
• Unlocking the Antidiabetic Potential of Quercetin	
<i>Bhoj Raj, Manjusha Choudhary, Vikas Budhwar</i>	6125
• Targeted Drug Delivery: Revolutionizing Breast Cancer Treatment with Lipid Polymer Hybrid Nanoparticles	
<i>Nigar K. Mujawar, Jameel Ahmed S. Mulla</i>	6131
• Advancements in Intranasal Delivery of Drugs for Cluster Headache Treatment using Cubosome-Based Nanocarriers: A Review	
<i>Preeti Chaudhary, Kirtan Vimal Shah, Darshan Rajendra Bodas, Sanjana Prasad Deshmukh, Akash Milind Solanki</i>	6139
• Instructions to author	6147