

CONTENT

- **The Role of Moisturizer Containing Antiinflammatory Agent in Clinical Improvement of Atopic Dermatitis: A Double-Blind Randomized Clinical Trial**
Damayanti, Cita Rosita Sigit Prakoeswa, Sylvia Anggraeni, Menul Ayu Umborowati, Maylita Sari, Made Putri Hendaria, 5183
- **Effect of Psychological Stress on Calcium Levels in The Saliva of Perimenopausal women with Chronic Periodontitis**
Karthika Nair, Amitha Ramesh, Rahul Bhandary, Biju Thomas, Nina Shenoy..... 5189
- **Physico-Phytochemical, Heavy metal and Microbiological Analysis of *Hygrophila auriculata* (schumach.) Heine. Leaves and seeds**
Nidhi H. Jadav, Jignesh S. Shah..... 5196
- **The Impact of Medication Compliance on mild Cognitive Impairment in Hypertensive Individuals: A Cohort Study**
Shalini Yadav, Sunil Sharma, Bir Singh Yadav, Rohtash Insa..... 5201
- **Green Solvent-Based UV Spectrophotometric Technique for Quantifying Molnupiravir in Bulk and Pharmaceutical Formulation**
Gandi Anusha, Shaik Nargiz, Allu Sireesha, Kona Poojitha, K.Varaprasada Rao, Y. Srinivasa Rao..... 5210
- **Potential *Tamarindus indica* L. and *Curcuma domestica* as Immunomodulators for the improvement of Lymphocyte Cells**
Rahma Widyastuti, Nur Vita Purwaningsih, Ellies Tunjung Sari Maulidiyanti..... 5215
- **Evaluating Anticonvulsant and Neuroprotective potentials of New Hydantoin Derivatives in PTZ and MES Models**
Ruzanna Paronikyan, Sona Buloyan, Anahit Pogosyan, Lilit Arshakyan, Lilit Mirzoyan, Hrachik Gasparyan..... 5221
- **Mangiferin Analysis: Comprehensive RP-HPLC Method Development and Validation in Both Bulk and Pharmaceutical Dosage Forms**
Jannapu Reddy Shireesha, Gautam Kumar, Srinivas Mutalik, Krishnadas Nandakumar..... 5230
- **Comparative Anatomical Analysis of three *Rumex* L. Species (Polygonaceae): Stem and Leaf Cross-sections Study**
Rand AlKhoury, Racha AlKhatib..... 5235
- **ICH Guideline in Practice for Quantification of Ruxolitinib by applying Validated RP-HPLC Method on Commercial Tablet Formulation**
Minal Harde, Sameer Lakade, Ujwala Wasnik, Shejal Wakade, Komal Doifode, Kamlesh Palandurkar, Shrikant Joshi, Laxman Ingole..... 5242
- **HPTLC Analysis of Methanolic Extract of *Holoptelea integrifolia* (Roxb.) Planch Leaves**
Santosh Kumar, Shikhar Verma, Pritt Verma..... 5247
- **The Pharmacognostic Research of *Ziziphora clinopodioides* Raw materials**
Kenzhebek B. N., Ishmuratova M. Yu., Atazhanova G. A., Smagulov M. K. 5254
- **Standardization of *Sombu Theeneer*: A *Siddha* herbal distillate**
Dhivya. G, Bharathy. K, Vetha Merlin Kumari H, Lakshmi Kantham T..... 5261

• Qualitative and Quantitative Phytochemical Evaluation, Antioxidant and Antimicrobial activity of <i>Hardwickia binata</i> Roxbs. leaf extract in various solvent Snehal Praful Shingade, Rajendra Baliram Kakde.....	5267
• Comparative Study of Thermal and Bromelain Enzymatic Hydrolysis of Peptide Fish Collagen: Production and Characterization of Hydrolyzed Collagen Agustina Lia, Miatmoko Andang, Raymond R. Tjandrawinata, Hariyadi Dewi M.	5274
• Preparation, Characterisation and Antifungal activity of Bi-Metallic Nanoparticles prepared with Fresh Extract of <i>Aconitum heterophyllum</i> leaves Mohammad Akhtar Rasool, Suman Kumar Rathore.....	5281
• Evaluating the DNA damage protecting activity of Tender Coconut Water in Swiss albino mice exposed to ionizing radiation Vishakh R, Shailaja S Moodithaya, Vidya V, Ganesh Sanjeev, Suchetha Kumari N.....	5286
• Three Spectrophotometric Methods Validated for Handling of Overlapped Spectra: Application for Determination Propranolol Hydrochloride and Hydrochlorothiazide in Dosage Forms and spiked biological fluids Amir Alhaj Sakur, May Karman.....	5291
• Evaluation of Anti-bacterial potential of Uttarakhand Timru (<i>Zanthoxylum armatum</i> DC) Essential oil Nikita Kevlani, Hema Lohani, Ujjwal Bhandari, Anil Kumar Chauhan, Lalit Agrawal, Nirpendra Kumar Chauhan....	5299
• Role Chitosan Film as a Catalyst for Rapid Gingival Healing: An Innovation in Periodontal Therapy Basri A. Gani, Subhaini Jakfar, Pitu Wulandari, Fitri Yunita Batubara, Kemala Hayati, Rike Rayanti, Jeti Erawati, Viona Diansari.....	5305
• Morphological and Anatomical Study of Aerial organs of <i>Nepeta pannonica</i> L. Kurmantayeva G.K., Ishmuratova M.Yu., Atazhanova G.A., Smagulov M.K., Sabiyeva A., Medeshova A.T., Makhmutova A.S.	5311
• Effects of Different Doses of Systemic UVB 310nm Irradiation in Gingivitis Rat Model Diah Diah, Chiquita Prahasanti, Retno Puji Rahayu.....	5317
• Application box Behnken design for the optimum cream formula of <i>M. calabura</i> fruit extract: <i>In vitro</i> and <i>In vivo</i> studies as an antiaging product Syamsu Nur, Fitriyanti J. Sami, Amriani Sapra, Andi N. Aisyah, Asril Burhan, Megawati, Marwati, Nurul A. Yusuf, Mislia, Nursamsiar.....	5325
• Design, Development and Characterization of Self Micro Emulsifying Drug Delivery System (SMEDDS) of Nebivolol Hydrochloride for Solubility Enhancement Deepshikha Kukde, Sheikh Shahnawaz Quadir, Garima Joshi, Meenakshi Bharkatiya.....	5336
• Optimizing Ocular Therapy: A Synergistic Approach with Thermosensitive Poloxamer 407 and Chitosan in In Situ Gel Formulation Umaimatun Nakhil, Muhammad Seftian, Adhyatmika, Ronny Martien.....	5349
• Stability Indicating Method for Glecaprevir and Pibrentasvir Estimation in API and Tablets by Using Ultra-Performance Liquid Chromatography Bhargavi Sakala, Sailaja Bandhakavi.....	5356
• Natriuretic and Saluretic effects of <i>Caesalpinia bonduc</i> (Linn.) Roxb Seed Extracts in Rats Sunil S. Mathapati, Mallinath S. Kalshetti.....	5361
• Prediction of Secretome Release from Hydrogels Based on Molecular Interactions and Binding Affinity to Promoting Bone Regeneration in Periodontitis Nenny Prasetyaningrum, Rini D. Ridwan, Tania Saskianti, Dini Rachmawati, Regina P. Virginiria.....	5368

• Ayurvedic Management of Congenital Anomaly Butterfly Vertebra (Hemivertebra): A Rare Case Study <i>Manasi P. Udagikar, Ashwini D. Sonalkar, Dipa A. Jain, Jayshree V. Changade</i>	5375
• Fourier Transform Infrared Spectroscopy Analysis, Antifungal, and Antibacterial Activity of Areca Nut and Red Ginger Combination Extract Against <i>Candida albicans</i> and <i>Staphylococcus aureus</i> <i>Liza Meutia Sari, Chairunas Chairunas, Santi Chismirina</i>	5379
• Synthesized Nanostructured Dendrimer's Proposal of a Practical Strategy to Improve the Solubility of Domperidone <i>Vidhi Patel , Princy Patel , Pravinkumar M. Patel , Snehal Patel , Jigar V Patel</i>	5386
• Antidiabetic and Wound Healing Activity of Polyherbal Formulation Sarkaraikolli on Rats <i>P. Susmitha, S. Sundar, A. Jayarami Reddy, T. Pavani Priya, K. Manasa, S. Geetha, CH. Divya Sree</i>	5393
• Study of Lipid Complex Composition of <i>Portulaca oleracea</i> L. Herbs <i>Raudas Abdul Khakim Nasser , Fadi Hajjar, Sergey Vladimirovich Goryainov, Alexander Vladimirovich Nikulin, Vasilii Alexandrovich Ivlev, Olga Georgievna Potanina, Vasilii Gennadievich Vasiliev, Anzhelika Valerievna Sheremeta, Svetlana Anatolyevna Kovaleva, Rimma Alexandrovna Abramovich, Gennady Alexandrovich Kalabin</i>	5399
• Simultaneous determination of Pyridoxine HCl, Isoniazid, Trimethoprim, and Sulfamethoxazole by Reverse Phase Liquid Chromatographic Method <i>Kush Kansara, Hiral Dave</i>	5405
• Volatile compounds and fatty acids of mixture herbal product Pectorales Species No 2 <i>Chevidae V.V., Bokov D.O., Malinkin A.D., Makarenko M.A., Bessonov V.V., Klyukina E.S., Konovalchik D.A , Bondar A.A. , Stepanova O.I., Yakubovich L.M., Malysheva M.O. , Luferov A.N., Samylina I.A.</i>	5412
• Plant Mediated Biosynthesis of Zinc Oxide Nanoparticle Using <i>Aegle marmelos</i> (Bael) Leaf Extract to Study its Antibacterial Activity and Chromium Adsorption <i>Aayushi Patle, Bipasha Singh, Nisha Gupta, Jai Shankar Paul</i>	5417
• Influence of Endogenous carbohydrate content on Initiation of adventitious roots in stem cuttings of <i>Coleus blumei</i> L. <i>Mrinal Kumar Das</i>	5424
• The Activity of Trisindoline 5 Compound againsts <i>c-Myc</i> and <i>FoxO1, 3, 4</i> Gene Expression on MDA-MB-231 Breast Cancer Stem Cells <i>Awik P. D. Nurhayati, Muhammad Fatoni, Yofinta I. Salsabila, Sholeh Salispriaji, Edwin Setiawan, Nurul Jadid, First A. Wati, Mardi Santoso, Shabrina S. Ghaissani</i>	5427
• Chemical Reaction Prediction using Machine Learning <i>Adnan R. Ahmad</i>	5435
• UV Spectrophotometric Analytical Method Development and Validation for Aloe-Emodin Phytochemical in Bulk and Formulations <i>Ashish Pandey, Nimisha Srivastava, Ramesh Chandra Dubey, Suneela Dhaneshwar, Alok Kumar Shukla</i>	5439
• The Significance of Serum CA-125 in patients with Polycystic Ovarian Syndrome and its Association with their Hormonal Status <i>Salwa Khadoor, Rama Ibrahim, Faisal Redwan</i>	5445
• Development of Composition and Technology of suppositories based on substance from medicinal plant raw materials <i>Rosmarinus officinalis</i> L. <i>Aigul Medeshova, Perizat Orazbayeva, Yerbolat Tulebayev, Karlygash Kaiyrbekova, Nuripa Dildabekova, Ainur Romanova, Bibigul Ashirbekova, Bekzhan Orazbayev</i>	5452
• Most Prevalent Cancer Subtypes in Saudi Arabia <i>Ahmed M. Aljameeli</i>	5457

- **The macroscopic, microscopic and histochemical analyses of aerial parts of *Achillea salicifolia* growing in the Republic of Kazakhstan**
Asadullaeva Z.M., Ishmuratova M. Yu., Atazhanova G.A., Smagulov M.K. 5463
- **Exploring the Influence of Transformational Leadership on Nurses' Intentions towards Artificial intelligence Utilization in Non-AI Implemented Hospitals**
Randa Khirfan, Heba Kotb, Huda Atiyeh, Anas Khalifah, Nahid AlHasan, Samah Abdelalla 5469
- **Comprehensive Approaches to Pharmaceutical Marketing: Balancing Innovation and Regulation**
Yogesh Kumar Rathore, Narendra Dewangan, Suman Kumar Swarnkar 5480
- **Association between Single-Nucleotide Polymorphism of *TCF7L2* gene in Diabetes Mellitus Type 2 patients in Indonesia**
Dyah Aryani Perwitasari, Imaniar Noor Faridah, Ikrimah Nisa Utami, Rita Maliza, Haafizah Dania, Lalu Muhammad Irham 5485
- **Design, Formulation, Evaluation and Statistical Optimization of Coated Floating Pulsatile Tablets for Modified Chronopharmacotherapy of Rheumatoid Arthritis**
Pasam Jyothirmayi, Arigela Bharathi, D Rama Sekhara Reddy 5491
- **Pharmacognostical Standardization, Phytochemical Evaluation and Contaminants Determination of *Ustukhuddūs (Lavandula stoechas* Linn) – A Potent Unani Drug**
Farhath Fathima A, Shariq Shamsi, Mohammed Irfhan N, Zaheer Ahmed N, Jaculin Raiza, Mageswari S, Noman Anwar 5499
- **Green Synthesis of Gold Nanoparticles with *Manilkara zapota* Leaf Extract and Its Application as Antibacterial Agent**
Rory A. Hutagalung, Giovani, Kristina Simanjuntak, Cut Fauziah, Hany Yusmaini, Meiskha Bahar, Niniek Hardini, Siti Nurbaya, Vivitri D. Prasasty 5509
- **Polyphenol content, Antioxidant and Antimicrobial activities of *Hyoscyamus albus* L. Aerial extracts**
Sara Chadi, Sabah Boumerfeg, Abderrahmane Baghiani, Thoraya Guemmez, Amel Boudechicha 5515
- **Design and Statistical Optimization of Gastroretentive Drug Delivery System of Domperidone Maleate**
Gautami Deepak Khalap, Prasad Desai, Suwarna Suresh Bobde 5525
- **Safety Evaluation of *Moringa* Leaves (*Moringa oleifera* Lam.) on Kidney Organs in Male White Rats**
Yufri Aldi, Dita Permatasari, Sera Afdalanita, Aditya Alqamal Alianta 5531
- **The Isolation, Characterization, and Identification of Endophytic Bacteria from Pineapple Peel (*Ananas comosus* (L.) Merr)**
Regina Andayani, Fadhila Fajriati, Dini Hanifa, Rustini 5540
- **Harnessing Solubility Parameter-based Approaches to Predict Aripiprazole's Solubility in Solvent Mixtures**
Sharda Sambhakar, Shwetha S. Kamath K, Thimmasetty J., Shashank Nayak N., Srinivas Hebbar, Shah Jayesh Pravin, Bishambar Singh 5547
- **Synthesis and Assessment of Acrylamide-graft-mesquite gum polymer (Aam-g-MG) for its Biodegradability in *E. coli* and Toxicity in *Drosophila melanogaster***
Baburao N. Chandakavathe, Ravindra Kulkarni 5555
- **Technology of Application Dosage Form with Extract of *Xanthium strumarium* L. for use in Dental Practice**
Kh.I. Itzhanova, N.S.Remetova, A.K. Zakareyeva, G.M.Abrakhmanova, G.T.Murzaliyeva, P.Z. Orazbayeva 5561
- **Safflower (*Carthamus tinctorius* L.) extract reduces paw edema by decreasing TNF-A and IL-6 levels in CFA-induced mice**
Agung Pribadi, Arifa Mustika, Mohammad Fathul Qorib, Rini Hamsidi, Dwi Indah Puspita, Onny Priskila 5567

• Design and Characterization of bimodal Release Formulation of Valsartan and Metformin hydrochloride <i>Prasanthi Teella, Sri Nataraj Kalakonda, Rajeswari Saripilli.....</i>	5575
• Tailoring Vilazodone Hydrochloride Delivery Systems with Natural Superdisintegrants for Enhanced Bioavailability <i>Vijay Sharma, Ayushi Jauhri, Lalit Singh, Pawan Singh, Amit Kumar, Navneet Verma.....</i>	5584
• Garcinia Mangostana Pericarpium Extract: Representation of Vascular Adaptation Based on Circulating Cell Profile <i>Wiwit Nurwidyningtyas, Ardian Rizal, Mohammad R. Fadlan, Yuke F. Kemala, Sutanti Lara Dewi, Syanindita P. Wardhani, Fernando, Anna Lystia Poetranto, Djanggan Sargowo.....</i>	5591
• Antibacterial and antioxidant activities of <i>Eleutherine americana</i> (Aubl.) Merr. leaves extract growing in different cultivation sites <i>Indah Yulia Ningsih, Ilham Robbynoor Sulistyono, Zidni Hafizha, Alwi Robiyanto, Endah Puspitasari, Dewi Dianasari, Mochammad Amrun Hidayat.....</i>	5597
• Comparative Evaluation of Nebulizer Devices Present in Market and Factors Influencing Nebulizer Performance <i>Sulabha Sambhaji Lalsare.....</i>	5605
• The Recent Advances in the Forecasting and Prevention of Spontaneous Preterm Labor in Singleton Pregnancies: A Narrative Review <i>Bakyt Khan Kabul, Gulzhan Issina, Balzira Bishekov, Zhanara Buribayeva, Saule Issenova.....</i>	5616
• Strategies for Attenuating Chemotherapy Side Effects: A Review <i>Ali Majeed Ali Almkram, Farah Al-Mamoori, Hayder Naji Sameer, Doaa Mohsin Farhan, Ahmed Hamza Al-Shammari, Hany A. Al-hussaniy, Amjad I Oraibi.....</i>	5624
• Effectiveness of Therapeutic Hypothermia Using HBN-1 Compared to Forced Hypothermia in Neurobehaviour Improvement after Cardiac Arrest: An Experimental Animal Model Study <i>Prananda Surya Airlangga, Rahmat Sayyid Zharfan, Nancy Margarita Rehata, Soetjipto, Eddy Rahardjo, Widjiati...</i>	5632
• Dragon, The Wonder Fruit – A Review on its Phytochemistry and Nutritional Benefits <i>Ruchika Sharma, Niharika Patel, Annie Gupta, Kavita Munjal.....</i>	5642
• Examination of Oropharyngeal candidiasis in Infectious patients caused by the Corona Virus Epidemic: A Review Article <i>Aria Salari, Hasan Rezazadeh, Hasti Hoseini.....</i>	5646
• Breaking the Taboo: Addressing Menstrual Health Challenges in India <i>Pratiksha Jadhav, Ashok Hajare, Madhuranjan Vatsa, Shiju Sebastian, Syeda Unnisa, Manisha Paliwal.....</i>	5653
• Delivery of Nutraceutical Products in Sports <i>Hrithik Dadasaheb Jadhav, Anjana A Kailas, Annamalai Rama, Induja Govindan, Thamizharasan Annadurai, Abutwaibe KA, Kishore Dherange, Sweedal D'Souza, Anup Naha.....</i>	5660
• Insights Into Novel Promising Drug Delivery System –Cryptosomes <i>Sumit Kumar, Sonakshi Antal, Dinesh Kumar, Rajni Tanwar, Imanshu, Amandeep Mor.....</i>	5666
• Instructions to author.....	5671