

CONTENT

- **Effect of *Emblica officinalis* (Amla) on Monosodium Glutamate (MSG) Induced Uterine Fibroids in Wistar Rats**
Inshah Ahmed, Nishat Ahmed, Saleha Ahmed, Dr. Fazil Ahmad, Dr. Abeer Mohammed Al-Subaie..... 2535
- **Optimization and Characterization of Exopolysaccharide from Marine Soil Bacteria**
P. Maheswari, K. Arjun Kumar, S. Sankaralingam, N. Sivakumar..... 2540
- **Development of Rifampicin loaded Chitosan nanoparticles by 3² full Factorial design**
Suchita Prabhakar Dhamane, Dr. Swati Chagdeo Jagdale..... 2545
- **Phytochemical screening and Evaluation of Anti-bacterial activity and various Anti-oxidant studies of root extracts of Mangrove plant *Dalbergia spinosa***
P. Chandrika, K. R. S. Prasad, Phani R S CH..... 2551
- **Formulation and Evaluation of Ketorolac Tromethamine using 3² Factorial Design**
Khatri Upasana, Kamal Singh Rathore, Sunil Saini, Bharkatiya Meenakshi..... 2556
- **To compare the effectiveness of Laser, EMG biofeedback assisted core stability exercise versus Laser and Core stability exercise alone on pain and disability in patients with non-specific low back pain**
Yuvarani. G, Chengi Kousalya, Kamatchi. K, Tharani. G, Vaishnavi. G..... 2563
- **Effect of liquid biofertilizer with Herbal Insecticide Garlic (*Allium sativum L.*) on productivity of Gram (*Cicer arietinum*) and Infestation of *Helicoverpa armigera* (Hübner)**
Keshav Singh, Deepak Kumar Bhartiya..... 2567
- **Brain Tumour Segmentation and Measurement Based on Threshold and Support Vector Machine Classifier**
Ganesan P, B. S. Sathish, V. Elamaram, R. Murugesan..... 2573
- **Human Coronavirus Species and their correlation as co-infection detected by Fast Real-Time RT-PCR**
Hala A. Salah, Iman M. Aufi, Hula Y. Fadhil, Faisal G. Alhamdani..... 2578
- **Regulatory requirements for Post approval changes in Japan, Canada and Malaysia**
Thaikadan Soorya Sukumaran, M. P. Venkatesh..... 2585
- **Curcumin Potentiates Therapeutic Efficacy of Metformin: A Preclinical Study in STZ-NA Induced Hyperglycemia in Wistar Rats**
Dr. Vaishali. R. Undale, Sujata S. Kurkute, Srutuja S. Jadhav..... 2591
- **Synthesis and Antibacterial activity of some newer Benzimidazole derivatives**
Pooja Kumari, Umakant, Gyanendra Sharma..... 2597
- **The Correction Methods of the Intestinal Microflora in Chronic Colonic Stasis by Siphon Enema and Probiotics as a Means of the Hirschsprung-associated Enterocolitis Prevention**
Galymzhan Burayev, Medet Khamitov, Vassily Lozovoy, Rasulbek Aipov, Elena Lozovaya, Lyudmila Akhmaltdinova, Kamshat Burayeva..... 2601
- **Stability Indicating HPTLC Determination of Tadalafil Hydrochloride in Bulk Drug and Pharmaceutical Formulations**
Prajakta H Patil, B. M. Gurupadayya, P. D. Hamrapurkar..... 2608
- **Biochemical Evaluation of Antidiabetic properties of *Strychnos potatorum* Seeds extract studied in High Fat Diet Fed- Low dose Streptozotocin induced experimental type 2 diabetes in Rats**
Chandiran Sharmila, Krishnamoorthy Renuka, Sorimuthu Pillai Subramanian..... 2615
- **In Vitro Antioxidant and Antibacterial Screening of flowers Extract from *Cassia auriculata* Linn.**
Rohit Kumar Bargah, Anil Kushwaha, Arun Tirkey, Bimlesh Hariwanshi..... 2624

● Preparation and Evaluation of Mouth Dissolving Tablets of Loratadine by Direct Compression Method <i>M. Swamivelmanickam, P. Venkatesan, G. Sangeetha</i>	2629
● Phytochemical assessment and Bioactivity of alcoholic extract seed of <i>Louranthus europaeus</i> <i>Sundus Hameed, Saba Hadi, Izhak Khalel Ibrahim, Isam Hussain T Al-karkhi</i>	2634
● Design, Development and Evaluation of Solid Form of Liquid Self-Nanoemulsifying Formulation for improving the Oral Bioavailability of Itraconazole <i>Vinod Kumar Yadav, Balamuralidhara V, Hemanth Kumar S</i>	2639
● Development and Validation of an RP-HPLC Analytical Method for Determination of Lisinopril in Full and Split Tablets <i>Khairi M. S. Fahelbom, Moawia M. M. Al-Tabakha, Nermin A. M. Eissa, Dana Emad Eddin Obaid, Sadik Sayed</i> ...	2647
● Preparation of Silver Nanoparticles from <i>Bael (Aegle marmelos)</i> Leaves Extract and their Doping with Multiwalled Carbon Nanotubes for Antibacterial Utility <i>D. Jesudurai, R. Monika</i>	2653
● An effective multicomponent synthesis of 2,6-dihydro-2,6-diimino-4,8-bis (phenylamino) pyrimido [2,1-b] [1,3] thiazine-3,7-dicarbonitrile <i>Anil B. Chidrawar, Rajkumar U. Pokalwar, Nitishkumar S. Kaminwar</i>	2658
● Synthesis, Characterization and Anti-oxidant Activity of Novel Phenylhydrazine derivatives containing carbonyl group on β- carbon <i>Susmita Basak, K Ishwar Bhat</i>	2661
● Pharmacognostical Evaluation and HPTLC Analysis of Two Medicinally important Secondary Metabolites in <i>Bauhinia variegata</i> Leaves from Gorakhpur District in Summer Season <i>Prakash Deep, Dr. Anurag Mishra, Dr. Neeraj Verma</i>	2667
● Formulation, Characterization of Anticancer Nanoemulsion containing <i>Trigonella foenum-graecum L.</i> Seed oil <i>Anilkumar J. Shinde, Shamal V. Banage, Rakesh P. Dhavale, Harinath N. More</i>	2672
● Endoscopic Retrograde Cholangiopancreatography in Central Iraq: A Retrospective Single- Center Study <i>Osamah Tahir Muslim, Abbas Sabbar Dakhil, Mohammed Abdlmohsin Abdlmajed</i>	2681
● Biosynthesis of Gold Nanoparticles using Leaf Extract of <i>Desmodium gangeticum</i> and their Antioxidant Activity <i>Niladry Sekhar Ghosh, Ekta Pandey, Ritu M Giilhotra, Ranjit Singh</i>	2685
● Fabrication and Characterization of Mucoadhesive Microspheres of Piroxicam for Management of Arthritis <i>Dr. Shaikh Siraj N, Irshad Ahmad Mohd. Salim, Dr. G. J. Khan, Shahid Raza Mohd Aslam Ansari</i>	2690
● Pshycotropic Drugs: A Persuader for Metabolic Syndromes <i>Parvathi K J, Ramalingam Kameswaran R, Sambathkumar R</i>	2695
● Extraction of Polyphenols from Oregano and Thyme by Maceration using Glycerine <i>Wissam Zam, Ali Ali, Farah Husein</i>	2699
● Neuroprotective effect of Conessin on Elevated oxidative stress induced Alzheimers'disease in rats <i>Nagaraju Bandaru, Chandrasekhar Komavari, Uma Sankar Gorla, GSN Koteswarao, Umasankar Kulandaivelu, A. Ankarao</i>	2703
● Molecular Docking Studies, <i>In silico</i> ADMET Screening of Some Novel Thiazolidine Substituted Oxadiazoles as Sirtuin 3 Activators Targeting Parkinson's Disease <i>Gomathy Subramnian, Kalirajan Rajagopal, Farhath Sherin</i>	2708
● Spectroscopic Estimation of Dapoxetine HCl using Multivariate Analysis <i>Krishnakumar P, Sundarrajan T, Kathiravan M K, Manikandan K</i>	2715
● HPTLC screening for Flavonoids content in leaf extracts of <i>Syzygium cumini</i> (Linn.) and its Antimicrobial activity <i>Sopan N. Kharat, Nida Ansari, Vijay D. Mendhulkar</i>	2720

- **Screening of Physicochemical properties and *In Vitro* free radical scavenging activity of *Delonix elata* L. leaf extracts**
Ruth Christiya C, Radhika J..... 2727
- **Evaluation of New Thiosemcarbazides Derived from Captopril as Angiotensin-Converting Enzyme Inhibitors with Docking Study, and Predicted-ADMET Analysis**
Hiba Najeh Al-Saad, Ammar A. Razzak Mahmood Kubba..... 2733
- **Preparation and Optimization of Silybin sustained release Microspheres for the treatment of Liver Disorders**
Saijyosthana Gandey, Vema Aparna, Raghupathi Kandarapu..... 2742
- **Neonatal Screening for Congenital Hypothyroidism at Obstetrics and Pediatrics Hospital in Lattakia, Syria**
Rana I. Ahmad, Haider A. Al-Barry..... 2749
- **Analysis on Air Pollution Tolerance Index of Plants Located at selected Sites at Salem and Namakkal District**
Dr. M. Krishnaveni, R. Sanjana, C. Harinathan, M. Sathyapriya, A. Yazhini, K. Prakash..... 2752
- **Phytochemical analysis, Antioxidant and Antiarthritic activities of different solvent extract of *Aegle marmelos* L. unripe fruit**
Sivakumar G, Gopalasatheeskumar K, Gowtham K, Sindhu E, Akash Raj K, Rajaguru B, Sriram K, Kalaiichelvan V K..... 2759
- **A Novel Therapeutic effects of *Sargassum ilicifolium* Alginate and Okra (*Abelmoschus esculentus*) Pods extracts on Open wound healing process in Diabetic Mice**
Saikhu Akhmad Husen, Muhamad Frendy Setyawan, Muhammad Farraz Syadzha, Raden Joko Kuncoroningrat Susilo, Suhailah Hayaza, Arif Nur Muhammad Ansori, Mochammad Amin Alamsjah, Zulfa Nailul Ilmi, Pugar Arga Cristina Wulandari, Pratiwi Pudjiastuti, Khalijah Awang, Dwi Winarni 2764
- **Prevention of Neonatal healthcare-associated infections: Current update**
Usha Rani, Leslie E Lewis, Nahima Akthar, Kiran Chawla..... 2771
- **Molecular Docking Analysis of Triazole Analogues as Inhibitors of Human Neutrophil Elastase (HNE), Matrix Metalloproteinase (MMP 2 and MMP 9) and Tyrosinase**
V. Vijayakumar, N. Radhakrishnan, P. Vasantha-Srinivasan..... 2777
- **Gastroprotective Effect of *Chloris paraguayensis* Steud Plant Extract in Various Experimental Models**
M. Poojitha, Saravana Kumar. A. S, S. V. Satya Narayana..... 2784
- **Formulation and Evaluation of Nano-fiber-based Transdermal patch of Cephalexin**
Sidra Choudhary, Sanket Dharashivkar, Chetan Mahajan, Madhuri Gaikwad..... 2787
- **Investigation on the effect of the Drug Levetiracetam combined with Clobazam on MES Model of Epilepsy**
Ratna. B, Krishna. B, K. Bhavani..... 2792
- **Isolation, Synthesis Nanoparticle, and *In-vitro* test of Pinostrobin from *Kaempferia pandurata* on MCF-7 and MDAMB-231 Breast Cancer Cell**
Lowilius Wiyono, Brenda Cristie Edina, Risya Amelia Rahmawanti, Nurma Nur Azizah, Rafika Indah Paramita, Erni Hernawati Purwaningsih, Fadilah Fadilah 2797
- **Effect of CYP3A5 genotypes on serum carbamazepine concentrations at steady-state in Vietnamese epileptic patients**
Tham Hong Pham, Hieu Thi Minh Huynh, Ha Thi Vo, Hung Manh Tran 2802
- **Development of a new visible Spectrophotometric analytical method for determination of Vildagliptin in bulk and Pharmaceutical dosage forms**
Loujain Anis Dayoub, Fida Amali..... 2807
- **Formulation and *In Vitro* Evaluation of Doxophylline Oral Disintegrating Tablets**
Dr Y. Krishna Reddy, Syed Suhaib Ahmed..... 2811
- **Phytochemical and pharmacological screening of leaf of *Lannea coromandelica* Linn.**
Tekeshwar Kumar, Amber Vyas, Vishal Jain..... 2815
- **New validated stability indicating RP-UFLC method for the determination of Budesonide**
Avuthu Sai Sheela, Mukthinuthalapati Mathrusri Annapurna, Rangisetty Spandana Ysaswini..... 2819

● Potential Anticancer role of Leonurine and its Derivatives	
<i>Ruslin, Mesi Leorita, Nur Arifa, Yamin, Suryani, Henny Kasmawati, Sunandar Ihsan, Andi Nafisah Tendri Adjeng ...</i>	2825
● Knowledge regarding Tuberculosis among undergraduate medical students at Nepalgunj Medical College - Banke, Nepal	
<i>Roy RK, Roy DK, Rupak KC, Patel I, Poudel K, Shah P, Bhuyan S, Bhuyan SK, Bhuyan R.....</i>	2833
● New first derivative spectrophotometric methods for the determination of Sitagliptin - An antidiabetic agent	
<i>Gunuputi Sushma, Sri Harsha D, Mathrusri Annapurna Mukthinuthalapati</i>	2838
● Chicken intestine inflammation model for predictive <i>in vitro</i> screening of Anti-inflammatory activity	
<i>U. S. Jijith, S. Jayakumari.....</i>	2843
● A new stability indicating RP-HPLC method for determination of Bilastine in bulk and pharmaceutical formulation	
<i>Peethala Prathyusha, Raja Sundararajan, Palyam Bhanu, Mathrusri Annapurna Mukthinuthalapati.....</i>	2849
● Ethyl acetate fraction of Tiwai onion (<i>Eleutherine palmifolia</i> (L), Merr) increases the cytotoxicity of NK-92 cells against HeLa CCL-2 cells	
<i>Nurul Hasanah, Karyono Mintaroem, Loeki EnggarFitri, Noorhamdani.....</i>	2854
● A new stability indicating RP-UFLC method for determination of Luliconazole in bulk and pharmaceutical formulation	
<i>Palyam Bhanu, Raja Sundararajan, Peethala Prathyusha, Mathrusri Annapurna Mukthinuthalapati.....</i>	2859
● Development and Validation of RP – HPLC Method for Estimation of Lamivudine and Dolutegravir Sodium in Synthetic Mixture	
<i>Sapna M Rathod, Paresh U Patel.....</i>	2864
● Formulation and Evaluation of Propranolol Hydrochloride Time Release Tablet: Characterization by <i>In-Vitro</i> Method	
<i>Sujata Mohapatra, Biswabhusan Rath, Sudam Chandra Si.....</i>	2869
● Assessment of Correct Technique of Inhalational Devices in patients with Obstructive Airway Diseases in A Tertiary Care Hospital	
<i>Dr. Kavitha. R, Dr. Deepti. V.D., Sangeetha. S.....</i>	2873
● Synergistic Effect of Leaf Extracts of <i>Ficus hispida</i> and <i>Psidium guajava</i> for Anti-Diabetic Activity on Wistar Rats	
<i>M. Mounica, G. Tanuja Lakshmi, K. Manaswini, D. Eswar Tony, A. Narendra Babu.....</i>	2877
● New stability indicating RP-UFLC method for the determination of Trifluridine – A potent antiviral drug	
<i>Rangisetty Spandana Yasaswini, Mukthinuthalapati Mathrusri Annapurna, Avuthu Sai Sheela.....</i>	2881
● Development and Validation of a new improved RP-HPLC Method for estimation of Rosuvastatin calcium in Pharmaceutical dosage form	
<i>Kallol Jana, Beduin Mahanti.....</i>	2886
● Effect of Formulation Variables of Gastroretentive Floating Tablets of an Anti-Hypertensive agent using different Grades of Hydrophilic Polymers	
<i>Vamshi Krishna Lekkala, N Siva Subramanian, K Srikanth Gupta.....</i>	2893
● <i>In-vitro</i> release study of Diclofenac sodium from topical gel formulations using diffusion cell	
<i>Saba Maanvizhi, V. Iyyappan, P. G. Bhavishi.....</i>	2901
● Microwave assisted synthesis of novel Coumarin derivatives for its Anti-Inflammatory applications.	
<i>Shah V. V., Doijad R. C., Shah N. V.</i>	2906
● Insights on Preformulation studies for potential of Essential oil of <i>Syzygium aromaticum</i> as an active for Dermal Therapeutics	
<i>Jeet Gandhi, Disha Suthar, Dr. Hetal Patel, Dr. Pragna Shelat, Dr. Punit Parejiya.....</i>	2912
● Estimation of Erythromycin and inducible Clindamycin Resistance in <i>Saphylococcus aureus</i> Isolated from Clinical Cases	
<i>Amany Menam Mtsher, Zahid Saadoon Aziz.....</i>	2920

● Association between <i>Trichomonas vaginalis</i> and vaginal bacterial community composition in Human vagina <i>Huda Dhafer Al-Marsomy</i>	2925
● Serum calcium in association with ischemic heart disease: a case-control study in the coronary care unit at Al-Diwaniyah Teaching Hospital <i>Hassan Raji Jalab</i>	2932
● Endophytic Fungi, A Novel source in the treatment of Oral infections <i>Meenambiga S S, Rajagopal K, Maithili Shevalkar</i>	2936
● Mouth Dissolving Tablets: A Modern Approach to Delivery of Drug <i>Prevesh Kumar, Md. Rageeb Md. Usman, Aditya Sharma, Diskha, Munesh Mani, Pawan Singh, Navneet Verma</i> ...	2943
● A Comprehensive Review on Triple Suppression in patient with Post Renal Transplant <i>Mukilan. D, Sanvas. U, Praveen. D, Ranadheer Chowdary. P, Vijey Aanandhi. M</i>	2951
● A Review on Current status of Buccal drug delivery system <i>R. Nagaraju, P. Subhash Chandra Bose, G. Ravi, Damineni Saritha, Valluru Ravi</i>	2954
● Role of Histone Deacetylase (HDAC) Inhibitors for the Treatment of Cutaneous T-Cell Lymphoma (CTCL) <i>C. N. Hemalatha, N. Janani, S. Vanishree, N. Harikrishnan</i>	2963
● A Forecast on Strategies for Regulatory Requirement of Drug Product Registration in African Pharmaceutical <i>Chenmala Karthika, Dr. Raman Sureshkumar</i>	2966
● Review on Pathophysiological and Pharmacotherapeutic approach on Chronic Myeloid Leukemia <i>Kiranmai Gudimetla, Orsu Prabhakar, Abhisek Pal</i>	2971
● Exercise Programmes for Reducing The Risk of Falls in Elderly: A Review <i>Naresh Bhaskar Raj, Wan Zhen Lee, Vijayamurugan Eswaramoorthi, Hazliza Razali, Nur Yanti Hariana Othman, Mahadeva Rao US</i>	2977
● Mini Tablets: Pediatric Drug Delivery System <i>Bhuvaneshwari S, Umashankar M S, Damodharan N</i>	2985
● An Overview of DRF in the treatment of Multiple Sclerosis <i>Prabhat Varshney, Prem Saini</i>	2992
● Pharmacotheurapetics in Prosthodontics- A Review <i>Swapna B V, Vignesh Kamath</i>	2997
● Structural, Spectral and Thermal studies of new bidentate Schiff base ligand type (NO) derived from Mebendazol and 4-Aminoantipyrine and it's metal complexes and evaluation of their biological activity <i>Shaimaa A. Hassan, Sajid M. Lateef, Ismaeel Y. Majeed</i>	3001
● Amlodipine And Atenolol: Combination Therapy Versus Monotherapy In Reducing Blood Pressure - A Focus On Safety And Efficacy <i>Diksha Sharma, Dinesh Kumar Mehta, Karun Bhatti, Rina Das, Ram Mohan Chidurala</i>	3007
● Floating Drug Delivery an Emerging Technology with Promising Market value <i>Devendiran B, Mothilal M, Damodharan N</i>	3014
● Unfolding Remedial Targets for Alzheimer's Disease <i>Tamilselvan. M, Tamilanban. T, V. Chitra</i>	3021
● An Emerging Trend in Solid Self Micro Emulsifying Drug Delivery System <i>Renugopal. P, Sangeetha. S, Damodharan. N</i>	3028
● Niosomes: A more promising tool to load poorly penetrating drug through skin for the treatment of Acne vulgaris <i>Avinash V, M. S. Umashankar, Damodharan N</i>	3035
● Risk and Opportunities in Development of New Drug <i>Rajashekar S, Rajukamaraj, Abimanyu S</i>	3041
● Instruction to author	3045