

CONTENT

- **Valorisation and physicochemical analysis of Bakery Waste Biocompost**
Mugilan Govindaraju, Shivkanya Fuloria, Kathiresan V. Sathasivam..... 4649
- **The Black Medick (*Medicago lupulina* L.) extraction Cytotoxic activity**
Prostodusheva T.V., Kiselevskii M.V., Bokov D.O., Zaichikova S.G., Antsyshkina A.M., Bobkova N.V.,
Strelyaeva A.V., Konovalchik D.A., Rodin M.N., Shalburova S.G.S. 4658
- **Griseofulvin Induced Stevens Johnson Syndrome (SJS). A Rare Case Report from District Headquarters Hospital, Chittoor, AP.**
Srinivasa B, M. L. Ramyakrishna, Madhav P, Sudharshan V..... 4663
- **Isolation of β -amyrin and Glycyrrhetic acid from Petroleum Ether extract of *Corchorus depressus* (Linn.) leaves**
Swapnil Ghanshyam Dhake, Milind Kashinath Patel..... 4667
- **Comparison of double dose of Paracetamol tablets 500mg with one Paracetamol tablet 1000mg**
Baraa Daghaman, Nisrin Kaddar, Mohammed Ayyed Najm, Hala Barakat..... 4671
- **Nanoparticles of *Muntingia calabura* L. Ethanol extract: Preparation and Anti-inflammatory activity**
Tengku Ismanelly Hanum, Hetty Lendora Maha, Henny Sri Wahyuni, Rahmad Fadli, Indah Yuliasari Saragih..... 4677
- **Anti-diabetic and Wound healing potential of plant *Saraca asoca* leaves in various Diabetic animal models**
Deepak Kumar, Sukender Kumar, Bhoj Raj, Ramchander Khatri, Amit Lather, Tanuj Hooda..... 4685
- **Prevalence and Association of MTHFR A1298C Polymorphism with risk of Colorectal cancer in Syrian patients**
Rana Khuder, Nouma Hasan, Mazen Salloum, Suzan Al-shamali, Nader Abedallaa..... 4694
- **GC-MS Analysis and Fabrication of Nanoparticles of *Buchanania lanzan* oil for the Anticancer activity**
Mini Dahiya, Monu Yadav, Sumit Kumar, Shilpi Chauhan, Deepak Lamba 4699
- **Study of Unstimulated Salivary Calcium and Viscosity in Normal Adults**
Muhiba Barakzai, Brishna Dawlaty..... 4707
- **Effects of Epigallocatechin gallate on Biofilm adherence and Glycolytic pH in *Streptococcus gordonii***
Prawati Nuraini, Dimas Prasetyanto Wicaksono, Ardianti Maartrina Dewi, Adinda Ayu Fitriana, Sili Han,..... 4711
- **Reckoning the Antioxidant Potential of Lyophilized Extract of *Stevia rebaudiana* Leaves**
Shom Prakash Kushwaha, Syed Misbahul Hasan, Kuldeep Singh, Arun Kumar, Muhammad Arif..... 4717
- **A Simple and Sophisticated RP-HPLC Approach for Quantifying of Irinotecan in API and in Pharmaceutical Dosage Form**
Shiv Kumar Gupta, Neetu Sachan, Phool Chandra, Arun Kumar Sharma 4722
- **Exploring the Dominance of Fungal genera in some Egyptian novel sources**
Waill Elkhateeb, Ahmed Faried, Dina E. El-Ghwas, Marwa O. Elnahas, Ibrahim Nafady, Ghoson Daba..... 4727
- **Phytochemical study and Pharmacological effect of corn silk and sour orange on ethylene glycol induced Urolithiasis in rats**
Dighe Pooja, Vikhe Sunayana, Jadhav Ravindra, Rahul L. Vikhe..... 4739
- **Ethnopharmacy and Scientification of Immunostimulants plants used by The Suwawa Tribe in Gorontalo Province and The Muna Tribe in Southeast Sulawesi Province during The Covid-19 Pandemic**
Nangsih Sulastri Slamet, Fihrina Mohamad, Hartati, Muhammad Isrul..... 4745

- **Nutritional and Phytochemical Profiles of *Cassia tora*, *Moringa oleifera*, *Asparagus racemosus***
Sandhya Bagde, Ruchi Shivhare, Aditya A. Pohankar, Sakshi V. Deshmukh, Sakshi V. Khedikar, Sakshi S. Kamde, Ashwini A Zanke, Dr. Sandip Sapkal, Ananta B Ghonge..... 4751
- **Development and Validation of a Novel RP-HPLC Method for Estimation of Bexagliflozin in Pure and Pharmaceutical Formulation**
Tejaswi Gilakamsetti, Poojitha Nalluri, Ramya Kuber Banoth..... 4758
- **Studies on Antioxidant and Xanthine Oxidase Inhibitory Activities of *Coccinia grandis* (L.) Voigt, *Datura metel* (Linn.) and *Tagetes patula* (L.) from Rupandehi District of Nepal**
Bimala Subba, Prabhat Kharel, Ganga Bir Rai..... 4765
- **Enhancing Lutein Delivery through Chitosan/Alginate Nanoparticles: A Study on Improved Stability, Bioaccessibility and Biological Activity**
Feuangthit Niyamissara Sorasitthyanukarn, Krittiya Singcharoen, Narissara Kulpreechanan..... 4771
- **Design and Development of A Semy Continuous Carotenoid Tool with Enzym and Environmental Friendly Solution**
Hanafi, Sri Redjeki Setyawati, Nurdiani, Adya Rizky Pradipta, Alvina Nur Aini, Septilina Melati Sirait..... 4780
- **Study of the Potential of the Active Compounds of *Moringa oleifera* Leaves in Increasing the Intake of Fe⁺³ in Pregnant women through Docking and Molecular Dynamics Methods on the Enzyme “Human Duodenal Cytochrome B” (Dcytb)**
Halimatussakdiah, Rachmawati Rahmawati, Noni Zakiah, Frengki Frengki..... 4785
- **Formulation and Optimization of Bicalutamide Tablets by using Factorial Design**
Santanu Roy, Gurpreet Singh, Naresh Kalra..... 4796
- **Formulation and Antibacterial Essay of Topical Cream Enriched with (*Chromolaena odorata*) Leaf Extract Originating from Ie Seuem Geothermal Area, District of Aceh Besar, Indonesia**
Munira Munira, Rasidah Rasidah, Muhammad Nasir..... 4803
- **GC-MS Evaluation of Bioactive Constituents of Hydroalcoholic Leaves Extract of *Pongamia pinnata* with Antibacterial Potential of Prepared Mouthwash Formulations**
Preeti Chaudhary, Gitika Dhingra, Rupesh Pingale..... 4811
- **The Single Compound Isolate of *Eleocharis dulcis* having the Antibacterial activity on Fish Diseases**
Alfi Amalia, Media Fitri Isma Nugraha, Berna Elya..... 4817
- **Hypoazotemic action of dry extracts from the waste of *Tribulus terrestris***
Temurbek Khajibaev, Feruza Egamova, Dilnoza Mutalova, Sevar Yusupova, Ravshanjon Khalilov, Shakhzod Jumaniyozov, Tamilla Abduraxmanova..... 4826
- **Administration of *Channa striata* Extract Restore Intestinal Damage of Intestinal Villi and Decrease TNF- α Expression in Small Intestine of Malnutrition Mice Model**
Willy Sandhika, Rofiatu Sholihah, Nosa Ika Cahyariza, Hartono Kahar..... 4833
- **Modern quality control methods of flax seeds herbal drugs in Russia**
Bokov D.O., Rodin M.N., Bogachuk M.N., Selifanov A.V., Makarenko M.A., Malinkin A.D., Bobkova N.V., Luferov A.N., Samylina I.A., Bessonov V.V. 4840
- **Separation of Gallic acid and Quercetin from the *Cassia tora* extract Using Thin Layer Chromatography: Simple and Cost-Effective Approach**
Umesh Chaurasia, Vishal Soni, Ram Kumar Sahu..... 4847
- **Synthesis and identification of a novel N-Mannich base from Isatin using a Sonicator by adding DCM as catalyst**
Raghad Skaikar, Ola Younes , Basima Arous, Mhd Amer Al-Mardini..... 4851

• A Prospective study on Impact of Nutritional Counseling for Maintenance Hemodialysis patients <i>Abdellaziz Mohammed Al-Qussain, Dixon Thomas, Rajaram Jagdale</i>	4856
• Parental Knowledge, Practice and Awareness on feeding and Oral hygiene measures for their children: An impact on ICDAS Scores <i>Nitiarubini Devi A/P Raveendran, Ng Chun Seong, Ng Sim Hua, Navaneetha Cugati, Sivadas Ganapathy</i>	4861
• Nutrition, Physical activity and Obesity in Moroccan High School students <i>Said Lotfi, Miloud Chakit</i>	4867
• Hypoglycemia and Hypolipidemia Assisted Nephroprotective Potential of <i>Hygrophila auriculata</i> (K. Schum) Heine in Streptozotocin/Nicotinamide Rodent Model of Type 2 Diabetes <i>Vishal B. Jadhav, Yogesh S. Ahire, Chandrashekhar D. Patil, Jai Singh Vaghela</i>	4873
• Preparation and Evaluation of Transdermal Formulations of Ciprofloxacin hydrochloride <i>Maha A. Marzouk, Seham M. Shawky, Sarah M. Elnaggar</i>	4880
• Safety Evaluation of Amla extract by Acute and Sub-chronic exposure in rats <i>Merina Benny, Benny Antony, Binu T Kuruvilla, Nishant Kumar Gupta</i>	4887
• PLGA (Poly lactic-co-glycolic acid) and Soybean Phosphatidylcholine loaded Vildagliptin Lipid Polysaccharide Hybrid Nanoparticles: Development and Assessment for Oral Delivery Operations <i>Kunisetti Nagendra Babu, Devi Thamizhanban, Bibhash Chandra Mohanta, K. Lakshmi</i>	4895
• Bioactive substances from Red ginger rhizome (<i>Zingiber officinale</i> Roscoe var. <i>sunti</i> Val) as Anti-atherosclerotic agent: Inhibition of Lipooxygenase in arachidonic acid metabolism <i>Siti Wakhidatun Suciati, Sukrasno, Neng Fisheri Kurniati, I Ketut Adnyana</i>	4901
• Reinventing Spice Authentication: Merging Artificial Intelligence Insights with Traditional Methods for Authentication of Cardamom <i>Subh Naman, Sanyam Sharma, Ashish Baldi</i>	4907
• Phytochemical Composition and Health Benefits of Pumpkin <i>Majd Aldakhoul, Sdrah Sleman, Nariman Alragheb, Mohammad Alfarwan, Louai Alallan, Zahraa I. Shubber, Nasser Thallaj</i>	4915
• Detection of presence of Bioactive metabolites in CCFE (Co cultured Cell Free Extracts) of <i>Microbacterium barkeri</i> (LMA4), <i>Corynebacterium argenteorotense</i> (LMA5) and <i>Streptomyces shenzhenensis</i> (LMA6) <i>Krishna Kumar Das, Smaranika Pattnaik, Santosh Kumar Behera</i>	4922
• Antibacterial efficacy of Doxycycline as a Photosensitizer in Photodynamic Therapy against Subgingival Plaque Bacteria <i>Eka Fitria Augustina, Ernie Maduratna Setiawatie, Offia Melda Permata Hartamto, Yunita Marwah</i>	4929
• A Review on Design of Coumarin Hybrids in the Treatment of Breast Cancer <i>Astha, U.S. Mahadeva Rao, M.S Ashawat, Rashmi Arora, Lee Wan Zhen</i>	4934
• Assessment of Quality parameters and Safety in <i>Indigofera tinctoria</i> L. (Avuri) Rootbark extract <i>B. Abarna, E. Saranyapriya, R. Sathish Adithya, S. Murugesan, R. Madhavan</i>	4941
• Investigation of biological membrane permeability of nanoemulsion, nanostructured lipid carriers and lipid polymer hybrid nanocarriers based nanogel as transdermal carvedilol delivery system <i>Hayder Kadhim Draiss, Falah H. Ihmedee, Mohie K. Sharaf El-Din, Naser A. Naser</i>	4947
• Exploring Nanoherbal Tomato: Assessing its Potential as an α-Glucosidase and α-Amylase Inhibitor, Antioxidant and Metabolite Profiling using LC-HRMS <i>Djohan, Bungaran Sihombing, Sahna Ferdinand</i>	4953
• <i>Euphorbia resinifera</i> propolis administration improves memory ability in high fructose treated rats <i>Imane Kherrab, Miloud Chakit, Sara Brikat, Marouane El-Arbaoui, Abdelhalem Mesfioui, Aboubaker Elhessni</i>	4961

- **Determining the anticancer effect of Gefitinib-loaded NLCs through investigating the inflammatory cytokine (JAK-STAT) pathway**
Mohammad Intakhab Alam, Syam Mohan, Mohammad Ashafaq, Yosif Almoshari, Hafiz A. Makeen, Sohail Hussain.... 4968
- **VEGF as Alveolar Bone Regeneration Key Protein in SHED Secretome, Hydroxyapatite and Collagen Type 1 Scaffold: An In-Silico Study**
Dini Rachmawati, Tania Saskianti, Rini Devijanti Ridwan, Nenny Prasetyaningrum, Masami Kanawa..... 4975
- **Formulation and Evaluation of Ion Activated *In-Situ* Gelling Ophthalmic Solution containing Brimonidine Tartrate using 3² Factorial Design**
Trupti M. Rajamanya, Yogesh S. Thorat, Avinash H. Hosmani, Vaijinath G. Digge..... 4981
- **Simultaneous estimation of Flupenthixol and Esitalopram in bulk drug and tablet dosage form by UHPLC method**
R.K. Godge, R. A. Patil, S.B. Mhakse, R.R. Gore..... 4991
- **Screening of Macrophytes on the basis of Efficiency of Industrial Wastewater Treatment in Constructed Wetland**
Pramod Kumar Mahish, Garima Madhariya..... 4995
- **Association between Hypertension and Endothelin-1 Protein Induced by Dyslipidemia: An *In vitro* and Epidemiological study in the Aceh Population**
Desiana Desiana, Khairi Suhud, Muchlisin Zainal Abidin, Basri A. Gani..... 5001
- **RP-HPLC Method Development and Validation of Lamivudine, Zidovudine and Nevirapine in Bulk and Dosage form using UV Detector**
Shinde G. S., Jadhav R. S., Godge R. K , Kote R. B., Tambe V.B. 5011
- **Development and Validation of Selective and Sensitive Liquid Chromatography - Tandem Mass Spectroscopy (UHPLC-MS/MS) Method for Bioanalysis of Remogliflozin in Rat Plasma**
Smit J. Patel, Bindiya Chauhan, Basheer Shaikh, Priyanka Chavan, Nadeem Khan..... 5016
- **Design, Synthesis, Characterization, Docking and Biological Assessment of Innovative 5-(Pyrazin-2-yl)-1, 3, 4-oxadiazol-2-amine Derivatives for Enhanced Anti-fungal and Anti-Bacterial Activities**
Prabhakar G, Ramesh Domala..... 5023
- **The Molecular detection of *bla*_{VIM} in carbapenem-resistant *Acinetobacter baumannii-calcoaceticus* complex infections in Indonesia**
Heriyannis Homenta, Fredine Esther Silvana Rares, Olivia Amelia Waworuntu, Lewis Fidel Matandung, Sulaiman Faiz Sandjaya, Bellanty Costanty Togas, Julyadharma Julyadharma, Hani Susianti, Dewi Santosaningsih, Noorhamdani Noorhamdani..... 5031
- **Comparative Anti-inflammatory property of Sterol and Non-sterol Fractions from *Amorphophallus campanulatus* Roxb. tuber**
Suhas P. Padmane, Sharad R. Manapure, Jyotiram A. Sawale..... 5036
- **RP-HPLC Method Validation for Estimation of related Substances of Empagliflozin**
Chandni Chandarana, Aarti Panchal, Vishal Modi..... 5041
- **Effect of *Picrafel-terrae* Merr. leaves extract on VEGF, Interleukin-6, Prostate Index, and Histopathology in Obesity Rats with Benign Prostate Hyperplasia**
Muhammad Andriady Saidi Nasution, Dharma Lindarto, Syah Mirsya Warli, Syafruddin Ilyas, Mohammad Ayodhia Soebadi, Iqbal Pahlevi Adeputra Nasution, Putri Chairani Eyanoer, Tri Widyawati..... 5046
- ***Cuscuta reflexa* Roxb.: A Special Emphasis on its Anticancer, Antimicrobial, Anti-inflammatory, Immunomodulatory potential**
Pallavi Gangarde, Bhanudas Kuchekar, Ashwin Kuchekar, Ashwini Gawade, Rohini Pujari..... 5055

• Quantification of Quassonoids in Laxmi taru (<i>Simarouba glauca</i>) leaves from High Performance Thin layer Chromatography (HPTLC)	
<i>Sudhish Rai, Ashish Sarkar</i>	5062
• Prevalence of Antineutrophil cytoplasmic Antibodies in Systemic Lupus Erythematosus and its relevance with Clinical manifestations	
<i>Bitan Naik, Mahima Yadav, Vikas Kailashiya, Anu Singh, Anup Singh, Sandip Kumar</i>	5065
• Activity of SNEDDS Hydrogel Ethyl Acetate Fraction of Kadara Domp (<i>Caesalpinia bonduc</i>) Seed Extract on Blood Sugar Levels and Wounds Healing in Diabetic Rats Model Based on Collagen Tissue Distribution Histo Pathological Observations	
<i>Dzun Haryadi Ittiqo, Melati Permata Hati, Safwan</i>	5071
• Preparation and Evaluation of Metformin Microspheres by Ionotropic Gelation Method	
<i>Moumita Kundu, Tapan Kumar Chatterjee, Dipanjan Mandal, Soumyarup Dutta, Tathagata Roy</i>	5079
• Pharmacological Screening of Hepatoprotective Activity of Vanillylacetone in Paracetamol Induced Hepatotoxic Rats	
<i>Poonam Sahu, Aarti Tiwari, Gulshan Athbhaya, Somnath Mandal, Pradeep Kumar Samal</i>	5085
• Development of an HPTLC Method for Simultaneous Evaluation of Aspirin (ASP) and Clopidogrel (CLO) in a Combined Formulation	
<i>Narendra R. Dighade, Hina D. Mehta, Seema Mendhekar, Vinod M. Thakare</i>	5091
• Chitosan as Biomaterial for Wound healing: Mechanisms and Various applications	
<i>Seema Yadav, Narahari N. Palei</i>	5102
• Potential of Watermelon waste in several Pharmaceutical preparations in Global Medicine: A Review	
<i>Ermawati, Ahyar Ahmad, Sartini Sartini, Yanti Leman, Harningsih Karim, Muhammad Taufiq Duppa</i>	5113
• Role of Myokines and prospects for their role in Diabetes Mellitus Therapy	
<i>Kharissova Nuriya, Mindubayeva Farida, Rajkamal Sharma, Smirnova Liliya, Mkhitarian Xeniya, Chergizova Bibigul, Salikhova Yelena, Niyazova Yuliya, Ryspayeva Gulnur, Evnevich Anna, Akimzhanova Neylya, Sarsembayeva Sholpan</i>	5119
• A Review on wastewater and its use in Agriculture in Morocco: Situation, Case Study and Recommendations	
<i>Noura Benlemlih, Mohammed Elghali Khiyati, Safae EL Aammouri , Mohammed Ibriz</i>	5132
• Etiopathophysiology, Novel and Advanced Therapy Options, Management and Care Plan to Prevent Lower Limb Amputations for Diabetic Foot Ulcer	
<i>Richa Dayaramani, Nipa Gandhi, Areeg Anwar Ali Shamsheer, Nour Aymn Ahmad</i>	5141
• Machine Vision Based Quality Inspection of Pharmaceutical Bottle Packaging	
<i>Bhoomika Shetty, Madhushree S M, Muddukrishna B.S, Ravindra Shenoy, Kirankumar H, Mahendra Joshi, Girish Pai K.</i>	5154
• Awake Craniotomy: A Review of Techniques, Indications, and Outcomes	
<i>Saiesh Raut Dessai, Sanjot Ninave, Amol Bele</i>	5161
• Molecular Mechanisms Involved in Pathogenesis of Parkinson's Disease	
<i>Prabha Bhong, Suvarna Ingale , Pallavi Jadhav</i>	5167
• The Interplay between Oral health and the Microbiome: A Comprehensive Scientific Review	
<i>Sharif Alashkar, Muaaz Alajlani</i>	5175
• Instructions to author	5181