



CHEBROLU HANUMIAH INSTITUTE OF PHARMACEUTICAL SCIENCES

Chandramoulipuram, Chowdavaram, Guntur – 522019, Andhra Pradesh.

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STAFF RESEARCH PUBLICATIONS 2025

S. No	Title of the Paper	Journal Name	Authors
1.	As Potential Anti-microbial Agents, Design, Synthesis, Biological, and Docking Studies of Novel Coumarin Analogues	Nanotechnology Perceptions	Nasreen Sulthana , Kiran Manda , Ravichandra Sharabu et.al
2.	Formulation and evaluation of azelnidipine fast-dissolving tablets	International Journal Of Applied Pharmaceutics	Bala Hemalatha, Anne Ramu, Suryadevara Vidyadhara
3.	Experimental and theoretical investigation of thermodynamic and transport properties in binary mixtures at various temperatures (dibenzyl amine with 1-pentanol, 2-pentanol and 2-methyl-2-butanol)	Physics And Chemistry Of Liquids	G.S. Manukonda, Venkatarao V. , Malleswararao P.S.V.N. et.al
4.	Ivermectin as a Treatment Modality in COVID-19 Patients: A Systematic Review and Meta-Analysis of Up-To-Date RCTs	Indian Journal of Community Medicine	Raghava Kalyan Maddukuri, Madhavi Latha Desimalla, Reshma Banavathu, Sai Pavan Kumar Arepalli
5.	Bio-Chemical properties of Curcumin and Curcumin Analogue-2 in treatment of periodontal disease. A narrative review	Bulletin of Stomatology and Maxillofacial Surgery	Ramanarayana Boyapati, Ravindranath Dhulipalla, Chaitanya Adurty, Malleswara Rao Peram
6.	Aspirin for prophylaxis of VTE in patients with Hip/ Knee replacement: Systematic review and Meta-analysis of Non-Randomized studies	Indian Journal of Pharmacology	Raghava Kalyan Maddukuri, Hema Chava, Sri Tejaswi Kondaveeti, Mounika Venkata Mutthineni, Bindu Priyanka Vegesana
7.	Wound healing potential of green synthesized silver nanoparticles of Glycyrrhiza glabra linn root extract: A preclinical study.	Journal of Trace Elements and Minerals	Vijapur LS, Shalavadi M, Desai AR, Hiremath JN, Gudigennavar AS, Shidramshettar SL, Hiremath SR, Peram MR, Kittur BS.
8.	Formulation and evaluation of emulgel of eucalyptus and aloe vera for treatment of inflammation and microbial infection	Cuestiones de Fisioterapia	Jyoti Pandey, Battula Sowjanya Lakshmi etal.



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9.	Formulation and characterization of hydrodynamically balanced delivery system of miglitol for prolonged gastric retention in type-2 diabetes	Cuestiones de Fisioterapia	Senthil Rajan Dharmalingam, Battula Sowjanya Lakshmi, et.al.
10.	Breastfeeding Benefits: A Comprehensive Review of Maternal and Infant Health Outcomes	Indian Journal of Pharmacy Practice	Vedavathi Sai G, Vamsi Krishna, Pavankumar P , D.Sandeep , A. Chakravarthy
11.	Development and Validation of a Stability Indicating RP-HPLC Method for the Estimation of Dutasteride and Tamsulosin Hydrochloride in Pharmaceutical Formulations	Indian Journal of Natural Sciences	Rihana Syed , Haritha Pavani K , Radha Krishnaveni V, et.al.
12.	Formulation and Evaluation of Natural Ingredients Infused Herbal Soap by using Cold Saponification Method	Indian Journal of Natural Sciences	Ch. Arun Kumar, Sandeep , R. Sai Reshma, S. Vidyadhara , Y. Ashok Kumar and Kotaiah Silakabattini
13.	Impact of Fenugreek Oil on Sitagliptin's Pharmacokinetic and Pharmacodynamic Profile: A Computational Docking Study to Correlate Blood Glucose Level	Current Trends in Biotechnology and Pharmacy	Sukanya Manam, Vidyadhara Suryadevara , Eswara Gopala Krishna and Murthy Talasila
14.	Recent Development of herbal Gel by Combination of Medicinal Plants in the treatment of Periodontitis	Journal of Neonatal Surgery	C.Rathore, P.Vijetha, et.al.
15.	Synthesis and Biological Evaluation of Novel Benzothiazepines As Potential Antifungal, AntiTubercular and Cytotoxic Agents	Journal of Neonatal Surgery	J. Subba Rao, S. Ravi Chandra , A. Chakravarthy , Sk. Khadar Yazdan , V. Jhansi Ran
16.	Formulation And Characterization Of Nicardipine Hydrochloride Solid Dispersions And Oro dispersible Tablets Using Natural Seed Starch as Super disintegrant	Journal of Neonatal Surgery	Battula Sowjanya Lakshmi, Hariom Sharma , Suryadevara Vidyadhara
17.	Quality of Life among CKD Patients with Hemodialysis – A Cross Sectional Study	Journal of Neonatal Surgery	Shaik Shafiya Begum
18.	Antimicrobial and antibiofilm activity of curcumin against oral pathogens: Potential for periodontal treatment	The Microbe 7 (2025)	Vijay M. Kumbar a, Malleswara Rao Peram, Et.al.



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19.	Design and Evaluation of Gastroretentive Matrix Tablets Incorporating Famotidine using Naturally Sourced Polymers	Journal Of Natural Remedies	Janga Ramesh Babu, A. Sambasivarao, M. Niranjana Babu and S. Vidyadhara
20.	Silk fibroin: An innovative protein macromolecule-based hydrogel/ scaffold revolutionizing breast cancer treatment and diagnosis – Mechanisms, advancements, and targeting capabilities	International Journal of Biological Macromolecules	Shubhrajit Mantry , Kotaiah Silakabattin, et.al.
21.	Advancements on heparin-based hydrogel/scaffolds in biomedical and tissue engineering applications: Delivery carrier and pre-clinical implications	International Journal of Pharmaceutics	Shubhrajit Mantry, Kotaiah Silakabattini, et.al.
22.	Phospholipid-Based Ultraflexible Nanovesicular Gel of Sertaconazole Nitrate for the Treatment of Skin Fungal Infections: Statistical Optimization, In Vitro and Preclinical Assessment	Gels	Malleswara Rao Peram , Sachin R. Patil , Vidyadhara Suryadevara, et.al.
23.	Phytochemical Screening And In-Vitro Anti-Inflammatory Activity Of Aqueous Ethanolic Extract Of Dried Leaves Of Crotalaria Verrucosa	Testing, Psychometrics, Methodology in Applied Psychology	J. Subba Rao, S. Ravichandra, P. Vijetha, P. Saidulu, S. Kotaiah
24.	Assesment of Patient Information Leaflet(PIL) Usefulness in Enhancing Knowledge, Attitude and Practice in Patients with Metabolic Syndrome	Journal of Ecophysiology and Occupational Health	D.Sandeep, R.Sai Reshma, V.Sindhu Vaishnavi, C.Aruna Kumar, S.Vidyadhara
25.	Artificial Intelligence Meets Biotechnology & Pharmacy: A New Era In Drug Development And Clinical Trials, Patient Care	Pharma Times	Ambati Vamsi Krishna, Dr. Suryadevara Vidyadhara, Dr. Sumalatha G. , Dr. A. Chakravarthy, Gannoji Sainath Chary
26.	Experimental and theoretical investigation of thermodynamic and transport properties in binary mixtures at various temperatures (dibenzyl amine with 1-pentanol, 2-pentanol and 2-methyl-2-butanol).	Physics and Chemistry of Liquids.	Manukonda GS, Venkatarao V, Malleswararao PS, Rao S, Murali M, Siva kumar K.
27.	Prospective Evaluation Of Drug-Therapy Problems And Adverse Drug Reactions In Colorectal Cancer Patients	International Journal of Zoology and Applied	Vinod Kumar Mugada and Vidyadhara Suryadevara



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		Biosciences	
28.	Development of Mucoadhesive Nanostructured Lipid Carriers for Nose-to-Brain Co-Delivery of Quercetin and Resveratrol	Journal of Rare Cardiovascular Diseases	Shreya Sarkar ¹ , L. Jyothi Rani ² , Kavya M C, Viswanadh Kunam et.al.
29.	Deciphering the Mechanism of Curcumin-induced Apoptosis in Human Laryngeal Cancer: Involvement of MiRNA-203-Mediated Survivin Downregulation and Activation of the Mitochondrial Pathway	Asian Journal of Pharmaceutical Research and Health Care	Vijay M. Kumbar , Malleswara Rao Peram, et.al.
30.	Phyto-fabrication and characterization of silver nanoparticles from Trachyspermum ammi (Ajwain) seeds and assessment of their antifungal activity	Indian Journal of Biochemistry & Biophysics	Malleswara Rao Peram , Vidyadhara Suryadevara Chakravarthy Adusumalli & KRS Sambasiva Rao
31.	Signal Detection In Pharmacovigilance: Methods, Tools, And Workflows From Case Identification To Adverse Drug Reaction Database Entry	Epidemiological Review journal	Vinodkumar Mugada , Vidyadhara Suryadevara
32.	LC–MS/MS Method For Simultaneous Determination Of Olanzapine And Samidorphan In Human Plasma.	Journal Of Applied Bioanalysis	K. Jhansi , Vutla Venkata Rao, Suryadevara Vidyadhara , Gowrisankar Manukonda
33.	UPLC–Q-TOF-MS/MS Method Development and Validation for the Identification of Forced Degradation Products of Velpatasvir	Journal of Rare Cardiovascular Diseases	Saidulu pasupuleti, Shaik Khadar Yazdan , RLC Sasidhar , J. Subba rao, S. Ravichandra , Yapuri Ashok Kuma
34.	Development and Validation of an Assay Method for Levothyroxine Soft Gelatin Capsules Utilizing the RP-HPLC Technique	Biomedical Chromatography	Nagaraju Katari, J. Subba Rao, S. Vidyadhara
35.	Heavy-Isotope Engineering (Deuteration) in Drug Design and Its Impact on Controlled-Release Formulations	Pharma Times	Dr. Sumalatha G. Dr. Suryadevara Vidyadhara, Dr. T. Bharath Vikas, Dr. Adusumalli Chakravarthy, Ambati Vamsi Krishna



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36.	Design and Pharmacokinetic Assessment of SelfEmulsifying Drug Delivery System (SEDDS) for Poorly Soluble Antiviral Drugs	European Journal of Clinical Pharmacy	R V Valli Kumari ¹ , Venkateskumar Krishnamoorthy, Viswanadh Kunam et.al.
37.	Unveiling the Bioactive Potential of Mannich Bases: Synthesis, Characterization, and Biological Perspectives	Indian Journal of Pharmaceutical Education and Research	Singirisetty Triveni , Yapuri Ashok Kumar , et.al.