



# C3D

## CENTRE FOR DRUG DISCOVERY AND DEVELOPMENT

Research Centre at KL College of Pharmacy

### Salient Features:-

- ❖ Interdisciplinary Collaboration
- ❖ State-of-the-Art Facilities and Technologies
- ❖ Collaboration with Industry and Academia
- ❖ Innovation and Patents
- ❖ Consultancy Services
- ❖ Collaborative Projects

**Faculty Incharge** - Dr. Manikanta Murahari, Associate Professor

### Members

1. Dr. Buchi N. Nalluri, Professor
2. Dr. G. Chakravarthi, Professor
3. Dr. Manikanta Murahari, Associate Professor
4. Dr. Matte Kasi Viswanadh, Associate Professor
5. Dr. Malothu Narender, Assistant Professor
6. Dr. Dumala Naresh, Assistant Professor
7. Dr. Kakarla Ramakrishna, Assistant Professor
8. Dr. Shailendra Singh, Assistant Professor
9. Dr. U. Chandra Teja, Assistant Professor

### Publications

1. Kakarla R, Karuturi P, Siakabinga Q, Kasi Viswanath M, Dumala N, Guntupalli C, Nalluri BN, Venkateswarlu K, Prasanna VS, Gutti G, Yadagiri G. Current understanding and future directions of cruciferous vegetables and their phytochemicals to combat neurological diseases. *Phytotherapy Research*. 2024 Jan 12. <https://doi.org/10.1002/ptr.8122>.
2. Gutti G, Leifeld J, Kakarla R, Bajad NG, Ganeshpurkar A, Kumar A, Krishnamurthy S, Klein-Schmidt C, Tapken D, Hollmann M, Singh SK. Discovery of triazole-bridged aryl adamantane analogs as an intriguing class of multifunctional agents for treatment of Alzheimer's disease. *European Journal of Medicinal Chemistry*. 2023 Nov 5;259:115670. <https://doi.org/10.1016/j.ejmech.2023.115670>.
3. Guguloth SK, Malothu N, Ganta NM, Ramakrishna K, Guntupalli C. Antiplatelet and

- antithrombotic properties of methanolic leaf extract of plumbago zeylanica L.: GC-MS and HR-LCMS metabolite profiling. South African Journal of Botany. 2023 Aug 1;159:627-34. <https://doi.org/10.1016/j.sajb.2023.06.027>.
- Ramakrishna K, Nalla LV, Naresh D, Venkateswarlu K, Viswanadh MK, Nalluri BN, Chakravarthy G, Duguluri S, Singh P, Rai SN, Kumar A. WNT- $\beta$  Catenin Signaling as a Potential Therapeutic Target for Neurodegenerative Diseases: Current Status and Future Perspective. Diseases. 2023 Jun 25;11(3):89. <https://doi.org/10.3390/diseases11030089>.
  - Anushree Chandrashekhar Gade, Manikanta Murahari, Parasuraman Pavadai and Maushmi Shailesh Kumar. Virtual Screening of a Marine Natural Product Database for In Silico Identification of a Potential Acetylcholinesterase Inhibitor. Life, May 2023, 13(6), 1298. <https://doi.org/10.3390/life13061298>.
  - Mehata AK, Vikas, Viswanadh MK, Muthu MS. Theranostics of metal-organic frameworks: image-guided nanomedicine for clinical translation. Nanomedicine. 2023 Mar. <https://doi.org/10.2217/nnm-2022-0278>.
  - Tanmoy Ghosh, Yusuf Mohammed, Manikanta Murahari, Sharon Esther Samual, Rajamanickam Deveswaran a, B.V. Basavaraj. Vanillin based crosslinked films of CMCh-PVA for wound healing application. Journal of Drug Delivery Science and Technology, March 2023, 83, 104400. <https://doi.org/10.1016/j.jddst.2023.104400>.
  - Suseela MN, Viswanadh MK, Mehata AK, Priya V, Setia VA, Malik AK, Gokul P, Selvin J, Muthu MS. Advances in solid-phase extraction techniques: role of nanosorbents for the enrichment of antibiotics for analytical quantification. Journal of Chromatography A. 2023 Mar 21:463937. <https://doi.org/10.1016/j.chroma.2023.463937>.
  - Setia A, Mehata AK, Malik AK, Viswanadh MK, Muthu MS. Theranostic magnetic nanoparticles: synthesis, properties, toxicity, and emerging trends for biomedical applications. Journal of Drug Delivery Science and Technology. 2023 Feb 21:104295. <https://doi.org/10.1016/j.jddst.2023.104295>.
  - Guntupalli C, Malothu N, Areti A, Nalluri BN, Sivadasu P, Alla N. Separation of Methanolic Leaf Extracts of Three Rutaceous Plants by Capillary Electrophoresis and High-Performance Liquid Chromatography Methods. Pharmacognosy Research. 2023;15(2). <https://doi.org/10.5530/pres.15.2.042>.
  - Anushka A Poola, Prithvi S Prabhu, Krishna Murthy, Manikanta Murahari, Swati Krishna, Mahesh Samantaray, Amutha Ramaswamy. Ligand-Based Pharmacophore Modeling and QSAR Approach to Identify Potential Dengue Protease Inhibitors. Frontiers in Molecular Biosciences, Computational Genomics and Structural Bioinformatics in Personalized Medicines - Volume II, Feb 2023. <https://doi.org/10.3389/fmolb.2023.1106128>.
  - Swati Krishna, T.P. Krishna Murthy, G. Divyashri, Manikanta Murahari, Rohit Shukla, S. Birendra Kumar, Tiratha Raj Singh. Pharmacoinformatics based screening of combined synthetic and natural compounds to identify novel and in silico potential Bcl-2 inhibitors. Journal of Molecular Liquids, Elsevier Publishers, Sep 2022, 120250. <https://doi.org/10.1016/j.molliq.2022.120250>.
  - Anil Kumar Soda, Srinivas Kurva, Kamini Singh, Dileepkumar Veeragoni, Sunil Misra, Manikanta Murahari, and Sridhar Madabhushi. Synthesis and Pharmacological Evaluation of Hexafluoro Functionalized Quinolone Derivatives as Potential Chemotherapeutic Agents. ChemistrySelect, 7, e202201366, 1-8, July 2022. <https://doi.org/10.1002/slct.202201366>.

#### Projects Sanctioned (Ongoing)-

- Title- Development of Microneedle Sensor Based Device for Continuous Monitoring of Lactate in Point of Care Testing using Dermal Interstitial Fluid  
Principal Investigator- Dr. Buchi N. Nalluri, Professor, KL College of Pharmacy  
Co-Principal Investigator- Dr. Pradeep Kumar, Associate Professor, Department of Chemistry  
Funding Agency- DBT Biomedical Device
- Title- Pharmacological modulation of platelet glucose metabolism, mitochondrial dysfunction, and platelet aggregation against co-morbid conditions of Diabetes mellitus and Ischemic stroke

Principal Investigator- Dr. Kakarla Ramakrishna, Assistant Professor  
Funding Agency- SERB-EMEQ

3. Title- Vaccine delivery using Microneedle Array Patches to Overcome Last Mile Logistics Issues, Thermal-Instability, and Improve Patient Compliance

Principal Investigator - Dr. U. Chandra Teja, Assistant Professor  
Co-Principal Investigator- Dr. Buchi N. Nalluri, Professor  
Funding Agency- Seed Grant Funding - KLEF

### **Patents**

1. NATURAL PRODUCT-BASED DRUG DISCOVERY FOR DIABETES: IMEGLIMIN AS A LEAD COMPOUND. Co-Investigator- Dr. M. Narender, Assistant Professor  
Status- Published on 15<sup>th</sup> December 2023

## Activities

S. No.	Date conducted	Title of event	Resource Person Details	Event Type
1	08-07-2023	Formulation and Evaluation of Biopharmaceuticals	Mr. Sivacharan Kollipara, Associate Director, Bio-Pharmaceutics Division, Dr. Reddy's Laboratories, Hyderabad	Guest Lecture-Industry Connect
2	04-08-2023	Pharmaceutical Analytical Method Validation Requirements Specifically for Brazil and Japan Markets for Regulatory Approvals	Mr. Pavan Kumar Katari, Senior Research Scientist, Research and Development Wing, Mylan Laboratories Limited, Bollaram, Hyderabad	Guest Lecture-Industry Connect
3	19-08-2023	Network Pharmacology	Dr. Ramakrishna Kakarla, Assistant Professor, KL College of Pharmacy	Workshop
4	15-10-2023	Laboratory Animal Research: Animal Welfare, Handling, and Clinical Examination	Dr. V Krishnam Raju Alluri, Principal Scientist, Laila Nutraceuticals Vijayawada	Workshop
5	17-18 Oct 2023	Two Days Hands-On Training on LC-MS/MS Analysis of Pharmaceuticals	Mr. Pradeep Kumar, LCMS Technical Lead – AP & Telangana, Agilent Technologies.	Workshop
6	04-11-2023	Antimicrobial Resistance- Present and Future	Mrs. Ramana Kumari, Assistant Manager, Regulatory Department, Viatris, Hyderabad	Guest Lecture-Industry Connect
7	04-11-2023	Advances in Drug Discovery and Development	Mr. Sivacharan Kollipara, Associate Director, Bio-Pharmaceutics Division, Dr. Reddy's Laboratories, Hyderabad	Workshop

**List of Publications:**

S.No	Authors	Title	Year	Source title
1	Kosanam S., Pasupula R.	Artificial intelligence approach in identification of differentially expressed genes of methyl glycoside against myocardial infarction	2024	Advances in Traditional Medicine
2	Chemboli R., Tej Mandava B., Sai Kodali U., Kumar Taneja A., Tej Mandava B., Sesha Sri Chandana O., Sultana M.S., Yarlagadda B., Prasad K.R.S., Venkata Basaveswara Rao M., Pal M.	A sonochemical approach to 4-substituted pyrrolo[1,2-a]quinoxalines via Cu-catalyzed N-arylation followed by Wang resin/air promoted oxidative cyclization strategy	2024	Tetrahedron Letters
3	Chirra N., Abburi N.P., Rekha E.M., Pedapati R.K., Bollikanda R.K., Murahari M., Sriram D., Sridhar B., Kantevari S.	N-Substituted piperazine-coupled imidazo[2,1-b]thiazoles as inhibitors of Mycobacterium tuberculosis: Synthesis, evaluation, and docking studies	2024	Drug Development Research

4	Rao C.N., Sujatha M.	FABRICATION OF NANOSTRUCTURED IRON AND ZINC PARTICLES BY DIOSPYROS CHLOROXYLON (ROXB.) LEAF EXTRACT: CHARACTERIZATION, ADSORPTION MODELING AND CARCINOGENIC DYE ADSORPTION APPLICATIONS	2024	International Journal of Applied Pharmaceutics
5	Nallapaty S., Malothu N., Konidala S.K., Areti A.R.	Evaluation of in vitro antidiabetic and antioxidant activity of leaf extracts of Ecbolium linneanum kurz.: GC-MS and HR-LCMS-based metabolite profiling and an in silico approach	2024	Journal of Applied Pharmaceutical Science
6	Burra V.L.S.P., Sahoo P.S., Dhankhar A., Jhajj J., Kasamuthu P.S., K S.S.V.K., Macha S.K.R.	Understanding the structural basis of the binding specificity of c-di-AMP to M. smegmatis RecA using computational biology approach	2024	Journal of Biomolecular Structure and Dynamics

7	Agarwal T., Chiesa I., Costantini M., Lopamarda A., Tirelli M.C., Borra O.P., Varshapally S.V.S., Kumar Y.A.V., Koteswara Reddy G., De Maria C., Zhang L.G., Maiti T.K.	Chitosan and its derivatives in 3D/4D (bio) printing for tissue engineering and drug delivery applications	2023	International Journal of Biological Macromolecules
8	Chavda V.P., Jogi G., Dave S., Patel B.M., Vineela Nalla L., Koradia K.	mRNA-Based Vaccine for COVID-19: They Are New but Not Unknown!	2023	Vaccines
9	Nalla L.V., Khairnar A.	Empagliflozin mediated miR-128-3p upregulation promotes differentiation of hypoxic cancer stem-like cells in breast cancer	2023	European Journal of Pharmacology
10	Panda S.P., Prasanth D., Gorla U.S., Dewanjee S.	Interlinked role of ASN, TDP-43 and Miro1 with parkinopathy: Focus on targeted approach against neuropathy in parkinsonism	2023	Ageing Research Reviews

11	Ghosh T., Mohammed Y., Murahari M., Samual S.E., Deveswaran R., Basavaraj B.V.	Vanillin based crosslinked films of CMCh-PVA for wound healing application	2023	Journal of Drug Delivery Science and Technology
12	Jadhav S.R., Kumar B.K., Joshi R.P., Suryakant C.K., Chandu A., Muzaffar-Ur- rehman M., Khetmalis Y.M., Nandikolla A., Murugesan S., Sekhar K.V.G.C.	Retrospective Review of Chromane Analogues as Anti-protozoal Leads: A Decade's Worth of Evolution	2023	Current Topics in Medicinal Chemistry
13	Venkatanarayana P., Kolli D., Seelama N.V., Ramakrishna D.S.	Synthesis of molnupiravir (MK-4482, EIDD-2801): a promising oral drug for the treatment of COVID-19 starting from cytidine	2023	Nucleosides, Nucleotides and Nucleic Acids
14	Vikas N., Mehata A.K., Viswanadh M.K., Malik A.K., Setia A., Kumari P., Mahto S.K., Muthu M.S.	EGFR Targeted Redox Sensitive Chitosan Nanoparticles of Cabazitaxel: Dual-Targeted Cancer Therapy, Lung Distribution, and Targeting Studies by Photoacoustic and Optical Imaging	2023	Biomacromolecules



15	Bansode A.H., Damuka N., Bashetti N., Gollapelli K.K., Krizan I., Bhoopal B., Miller M., Jv S.K., Whitlow C.T., McClain D., Ma T., Jorgensen M.J., Solingapuram Sai K.K.	First GPR119 PET Imaging Ligand: Synthesis, Radiochemistry, and Preliminary Evaluations	2023	Journal of Medicinal Chemistry
16	Chamarthy S., Mekala J.R.	Functional importance of glucose transporters and chromatin epigenetic factors in Glioblastoma Multiforme (GBM): possible therapeutics	2023	Metabolic Brain Disease
17	Ramakrishna K., Krishnamurthy S.	Indole-3-carbinol ameliorated the neurodevelopmental deficits in neonatal anoxic injury in rats	2023	International Journal of Developmental Neuroscience
18	Veeramani S., Chandrababu L., Rajangam I., Singh N.R., Al- Humaid L., Al- Dahmash N.D., Balaji R., Chandrasekar N., Hwang M.T.	N-Hydroxysuccinamide functionalized iron oxide nanoparticles conjugated with 5-fluorouracil for hyperthermic therapy of malignant liver cancer cells by DNA repair disruption	2023	International Journal of Biological Macromolecules

19	Sumalatha C., Doddoji R., Venkateswarlu M., Swapna K., Mahamuda S., Rao A.S.	Luminescence and photometric activity of an intense green emitting ZnBiBaBFTe:Tb <sup>3+</sup> glasses	2023	Radiation Physics and Chemistry
20	Othayoth R., Khatri K., Gadicherla R., Kodandapani S., Botlagunta M.	Multivitamin-Cisplatin Encapsulated Chitosan Nanoparticles Modulate DDX3X Expression in Cancer Cell Lines	2023	Nano Biomedicine and Engineering
21	González Y., Mojica-Flores R., Moreno- Labrador D., Cubilla-Rios L., Rao K.S.J., Fernández P.L., Larionov O.V., Lahey-Beitia J.	Polyphenols with Anti-Inflammatory Properties: Synthesis and Biological Activity of Novel Curcumin Derivatives	2023	International Journal of Molecular Sciences
22	Chaitra R., Gandhi R., Jayanna N., Satyanath S., Pavadai P., Murahari M.	Computational design of MmpL3 inhibitors for tuberculosis therapy	2023	Molecular Diversity
23	Rajput V.S., Runthala A., Khan I.A.	Shikimate Kinase Inhibitors: An Update on Promising Strategy against Mycobacterium tuberculosis	2023	Current Drug Targets

24	Vutti N.B., Gudhanti S.N.K.R., Alavala R.R., Desu P.K., Budha R.R., Govada K.B., Arja D.P., Nagendra C.H.	Additives screening for the formulation of solid lipid nanoparticles of alpha-mangostin	2023	Journal of Research in Pharmacy
25	Prasanth D.S.N.B.K., Bhavanam P.R., Pasala P.K., Panda S.P., Achanti S., Jash R., Namratha J.R., Sai Kiran B.S., Sandeep K., Ayesha Md.B., Mokkapati P., Chaganti P.	IN-SILICO STUDY OF CASSIA TORA LINN IN THE TREATMENT OF GAUCHER DISEASE: A SCIENTIFIC ETHNOMEDICAL STUDY	2023	Bulletin of Pharmaceutical Sciences. Assiut
26	Durgam M.K., Bodiga V.L., Vemuri P.K., Aenugu V.R., Bodiga S.	2-hydroxy-4-methoxy benzaldehyde from Hemidesmus indicus root extract suppresses toll-like receptor2-mediated migration and invasive mechanisms in rheumatoid arthritis	2023	Journal of Herbal Medicine
27	Kosanam S., Pasupula R.	In-silico Study of Methyl Beta D- xylopyranoside: A Spectroscopically Screened Small Molecule from Aganosma dichotoma	2023	International Journal of Drug Delivery Technology

28	Shams R., Behmanesh A., Mazhar F.N., Vaghari A.A., Hossein- Khannazer N., Agarwal T., Vosough M., PadrÃ³n J.M.	Developed Bone Biomaterials Incorporated with MicroRNAs to Promote Bone Regeneration: A Systematic Review, Bioinformatics, and Meta-analysis Study	2023	ACS Biomaterials Science and Engineering
29	Kalyani B.S., Krishna P.S., Laxminarayana E., Sreenivasulu K.	Novel Bioactive Compounds from Streptomyces sp. NLKPB45 Isolated from Marine Soil Sediment	2023	Pharmaceutical Chemistry Journal
30	Noothi S., Malothu N., Areti A., Desu P.K., Kumar S.	IMPLICATION OF CENTRAL COMPOSITE DESIGN IN THE DEVELOPMENT OF SIMVASTATIN- LOADED NANOSPONGES	2023	International Journal of Applied Pharmaceutics
31	Prasad Panda S., Kesharwani A., Prasanna Mallick S., Prasanth D., Kumar Pasala P., Bharadwaj Tatipamula V.	Viral-induced neuronal necroptosis: Detrimental to brain function and regulation by necroptosis inhibitors	2023	Biochemical Pharmacology

32	Jagadeeshwar K., Rupaka S.R., Alavala R.R., Rao G.S.N.K., Kulandaivelu U.	Investigation of Nootropic and Neuroprotective Activity of Myristica malabarica Bark Extracts on STZ induced Cognitive Impairment in Experimental Animals	2023	Jordan Journal of Pharmaceutical Sciences
33	Jaggavarapu S.R., Bhukta S., Chatterjee R., Rao Anna V., Dandela R.	One-pot multicomponent domino synthesis of highly functionalized dibenzo[b,d]furans	2023	Tetrahedron Letters
34	Jagadeeshwar K., Raju R.S., Chakravarthi G., Reddy A.R., Koteswara Rao G.S.N., Malothu N.	Anti-obesity and Antihyperlipidemic Activity of Ougeinia oojeinensis (Roxb.) in High Fat Diet-Induced Obesity in Experimental Animals	2023	Journal of Natural Remedies
35	Babu N.R., Raju R.S., Alavala R.R., Rao G.S.N.K., Desu P.K., Namratha J.R., Muralidharan V.	Synthesis, Characterization, and Antitubercular Evaluation of Tetrahydro-tetrazolo Quinazoline Derivatives	2023	Anti-Infective Agents

36	Panda S.P., Reddy P.H., Gorla U.S., Prasanth D.	Neuroinflammation and neovascularization in diabetic eye diseases (DEDs): identification of potential pharmacotherapeutic targets	2023	Molecular Biology Reports
37	Durgam M.K., Bodiga V.L., Vemuri P.K., Bodiga S.	Isoscutellarein from <i>Bixa orellana</i> Leaves Uncompetitively Inhibits Recombinant Human Aldose Reductase and Prevents Sorbitol Accumulation and Lens Opacity	2023	Current Enzyme Inhibition
38	Salaikumar M.R., Burra V.L.S.P.	In silico Design of Novel SAM Analogs as Potential Inhibitors Against N2G966 16s rRNA Methyltransferase (RsmD)	2023	Letters in Drug Design and Discovery
39	Reddy G.S., Rao A.V., Prasad M.S.N.A., Viswanath I.V.K., Laxminarayana E.	Some New 1,2,4-triazole Derivatives Bearing the Pyrimidine Moiety as Potential Antimycobacterial Agents: Synthesis and Docking Analysis	2023	Letters in Drug Design and Discovery

40	Bandaru N., Rao A.N., Deepika Y., Ketha A., Thathipudi D., Laxmi N.S.	Effect of Isolated Fraction from <i>Biophytum reinwardtii</i> on Dexamethasone Induced Insulin Resistance in Rats	2023	Toxicology International
41	Panda S.P., Mahamat M.S.A., Rasool M.A., Prasanth D.S.N.B.K., Ismail I.A., Abasher M.A.A., Jena B.R.	Inhibitory effects of mixed flavonoid supplements on unraveled DSS-induced ulcerative colitis and arthritis	2023	BiolImpacts
42	Anusha T., Bhavani K.S., Shanmukha Kumar J.V., Brahman P.K., Hassan R.Y.A.	Fabrication of electrochemical immunosensor based on GCN- $\dot{\Gamma}^2$ -CD/Au nanocomposite for the monitoring of vitamin D deficiency	2022	Bioelectrochemistry
43	Murty V.R.L., Venkateswarlu M., Swapna K., Mahamuda S., Rani P.R., Rao A.S.	Physical and spectroscopic studies of Sm <sup>3+</sup> ions doped Alumino Tungsten Borate glasses for photonic applications	2022	Radiation Physics and Chemistry

44	Sharma P., Kumar A., Agarwal T., Dey A.D., Moghaddam F.D., Rahimmanesh I., Ghovvati M., Yousefiasl S., Borzacchiello A., Mohammadi A., Yella V.R., Moradi O., Sharifi E.	Nucleic acid-based therapeutics for dermal wound healing	2022	International Journal of Biological Macromolecules
45	Yadav T.T., Murahari M., Peters G.J., YC M.	A comprehensive review on acridone based derivatives as future anti- cancer agents and their structure activity relationships	2022	European Journal of Medicinal Chemistry
46	Gogiseti G., Kanna U., Sharma V., Rao Allaka T., Rao Tadiboina B.	Design, Synthesis and Bio-Evaluation of Novel Chalcones Bridged with 1,3,4-Oxadiazole Linkers: ADMET and Docking Analysis	2022	Chemistry and Biodiversity
47	Salaikumaran M.R., Badiger V.P., Burra V.L.S.P.	16S rRNA Methyltransferases as Novel Drug Targets Against Tuberculosis	2022	Protein Journal



48	Bhogireddy D.N., Surapureddi S.R., Syed T., Prashanth T., Tadiboina B.R.	Synthesis and biological evaluation of aryl derivatives of isoxazole pyrazolo[1,5-a] pyrimidines as anticancer agents	2022	Synthetic Communications
49	Ramakrishna K., Singh S.K., Krishnamurthy S.	Diindolylmethane Ameliorates Ischemic Stroke-Induced Brain Injury by Peripheral and Central Mechanisms	2022	Current Neurovascular Research
50	Peeriga R., Shaik A., Kolli P., Veeroji A., Kandula A., Varma P., Maragani M., Chintalapudi J., Yenduri S.A., Kodali A., Gunturu P., Kancherla S., Reddy S.S., Atmakuri L.R., Pathangi B.B.R.	Computational Study of Phytoconstituents in Myxopyrum Smilacifolium Blume against Inflammatory Mediator TNF- $\alpha$	2022	Journal of Drug and Alcohol Research
51	Suvarna V., Deshmukh K., Murahari M.	miRNA and antisense oligonucleotide-based $\alpha$ -synuclein targeting as disease-modifying therapeutics in Parkinson's disease	2022	Frontiers in Pharmacology

52	Mande A., Malothu N., Banadaru N., Murthy T.E.G.K.	Acute Oral Toxicity Studies and Evaluation of Central Analgesic Activity of Various extracts of Leaves of <i>Rhizophora apiculata</i>	2022	Toxicology International
53	Elias F., Muddada S., Muleta D., Tefera B.	Purification and Characterization of Bioactive Metabolite from <i>Streptomyces monomycini</i> RVE129 Derived from the Rift Valley Soil of Hawassa, Ethiopia	2022	BioMed Research International
54	Damuka N., Bashetti N., Mintz A., Bansode A.H., Miller M., Krizan I., Furdui C., Bhoopal B., Gollapelli K., Shanmukha Kumar J.V., Deep G., Dugan G., Cline M., Solingapuram Sai K.K.	[18F]KS1, a novel ascorbate-based ligand images ROS in tumor models of rodents and nonhuman primates	2022	Biomedicine and Pharmacotherapy

55	Mullaguri S.C., Akula S., Ashireddygar V.R., Sahoo P.S., Burra V.L.S.P., Silveri R., Mupparapu V., Korikani M., Amanchi N.R., Subramanian J., Kancha R.K.	Estimated sensitivity profiles of lung cancer specific uncommon BRAF mutants towards experimental and clinically approved kinase inhibitors	2022	Toxicology and Applied Pharmacology
56	Panchakarla R.K., Ravi P.R., Mullangi S., Kondapalli V.G.C.S.	Liquid chromatography-mass spectrometric methods for trace quantification of potential genotoxic impurities in ivacaftor and lumacaftor [Méthodes de chromatographie en phase liquide-spectrométrie de masse pour la quantification des traces d'impuretés génotoxiques potentielles dans l'ivacaftor et le lumacaftor]	2022	Annales Pharmaceutiques Francaises

57	Nallapaty S., Malothu N., Pasupula R., Ketha A.	Antidiabetic potential of leaf extracts of <i>Ecobolium linneanum</i> Kurz in streptozotocin-induced diabetic rats [Potencial antidiabético de extractos de hojas de <i>Ecobolium linneanum</i> Kurz en ratas diabéticas inducidas por estreptozotocina]	2022	Journal of Pharmacy and Pharmacognosy Research
58	Vakiti A.R., Valluru K.R., Verma S.N., Syed T., Sridhar G., Kumar J.V.S.	Total synthesis of Berkeleylactone F	2022	Synthetic Communications
59	Reddy G.N., Mura Reddy G., Sridhar G., Prasad K.R.S.	Synthesis of (+)-xestodecalactone A	2022	Natural Product Research
60	Kolguri J., Rapaka S.R., Alavala R.R., Gsn K.R., Boyapati S., Gunda R.K.	PHARMACOLOGICAL EVALUATION OF NOOTROPIC AND NEUROPROTECTIVE ACTIVITY OF SESBANIA GRANDIFLORA EXTRACTS IN STREPTOZOTOCIN-INDUCED DIABETIC MODEL OF RATS	2022	Bulletin of Pharmaceutical Sciences. Assiut

61	Malothu N., Jojula M., Kaki V.R., Adidala R.R., Akkinepally R.R.	Synthesis, In vitro Antibacterial and Antimycobacterial Activity and Docking Study of Thieno(3,2- e)(1,2,4)triazolo(1,5-c)pyrimidines	2022	Anti-Infective Agents
62	Semwal M., Mishra N.K., Baba M.H.	Integrative Approach to Treat Covid- 19: Medical Ethics for Medical Leadership & Public Health Management during COVID Pandemic in India	2022	JK Practitioner
63	Abhiteja V., Pasupula R., Parvathaneni R.	Evaluation of In-Vitro Anti- inflammatory activity of Convolvulus arvensis indigenous to Eastern Ghats of Andhra Pradesh: Preliminary Evidence Based Report	2022	Research Journal of Pharmacy and Technology
64	Kolli D., Amperyani K.R., Parimi U.	PHYTOCHEMICAL ANALYSIS AND IN VITRO GENOTOXICITY, CYTOTOXICITY, ANTIOXIDANT, ANTIMICROBIAL, ANTI OBESITY ACTIVITY OF MORINDA TINCTORIA ROXB	2022	Indian Drugs

65	Botlagunta M., Khatri K., Madhavi Devi B., Doneti R., Pasha A., Pawar S.C.	Differential Expression of DDX3 and microRNAs in Response to Hormone and Cisplatin Against Cervical Cancer	2022	Eurasian Journal of Medicine and Oncology
66	Jagadeeshwar K., Alavala R.R., Ravula S.R., Kulandaivelu U., Koteswara Rao G.S.N.	Neuroprotective and nootropic evaluation of Myristica malabarica on diabetes-induced cognitive impairment in experimental animals: Promising for controlling the risk of Alzheimer's disease	2022	Thai Journal of Pharmaceutical Sciences
67	Prasanth D.S.N.B.K., Murahari M., Chandramohan V., Panda S.P., Atmakuri L.R., Guntupalli C.	In silico identification of potential inhibitors from Cinnamon against main protease and spike glycoprotein of SARS CoV-2	2021	Journal of Biomolecular Structure and Dynamics
68	Saha R., Ghosh P., Burra V.L.S.P.	Designing a next generation multi- epitope based peptide vaccine candidate against SARS-CoV-2 using computational approaches	2021	3 Biotech

69	Karnik K.S., Sarkate A.P., Tiwari S.V., Azad R., Burra P.V.L.S., Wakte P.S.	Computational and Synthetic approach with Biological Evaluation of Substituted Quinoline derivatives as small molecule L858R/T790M/C797S triple mutant EGFR inhibitors targeting resistance in Non-Small Cell Lung Cancer (NSCLC)	2021	Bioorganic Chemistry
70	Gorla U.S., Rao K., Kulandaivelu U.S., Alavala R.R., Panda S.P.	Lead finding from selected flavonoids with antiviral (Sars-cov-2) potentials against covid-19: An in-silico evaluation	2021	Combinatorial Chemistry and High Throughput Screening
71	Kardile R.A., Sarkate A.P., Borude A.S., Mane R.S., Lokwani D.K., Tiwari S.V., Azad R., Burra P.V.L.S., Thopate S.R.	Design and synthesis of novel conformationally constrained 7,12-dihydrodibenzo[b,h][1,6]naphthyridine and 7H-Chromeno[3,2-c]quinoline derivatives as topoisomerase I inhibitors: In vitro screening, molecular docking and ADME predictions	2021	Bioorganic Chemistry

72	Endoori S., Gulipalli K.C., Bodige S., Ravula P., Seelam N.	Design, synthesis, anticancer activity, and in silico studies of novel imidazo[1,2-a]pyridine based 1H- 1,2,3-triazole derivatives	2021	Journal of Heterocyclic Chemistry
73	Dey U., Sarkar S., Teronpi V., Yella V.R., Kumar A.	G-quadruplex motifs are functionally conserved in cis-regulatory regions of pathogenic bacteria: An in-silico evaluation	2021	Biochimie
74	Rani N.V., Ravindhranath K.	PEG-400 promoted a simple, efficient and eco-friendly synthesis of functionalized novel isoxazolyl pyrido[2,3-d]pyrimidines and their antimicrobial and anti-inflammatory activity	2021	Synthetic Communications
75	Phulara S.C., Pandey S., Jha A., Chauhan P.S., Gupta P., Shukla V.	Hemiterpene compound, 3,3- dimethylallyl alcohol promotes longevity and neuroprotection in Caenorhabditis elegans	2021	GeroScience



76	Mekala J.R., Kurappalli R.K., Ramalingam P., Moparthi N.R.	N-acetyl L-aspartate and Triacetin modulate tumor suppressor MicroRNA and class I and II HDAC gene expression induce apoptosis in Glioblastoma cancer cells in vitro	2021	Life Sciences
77	Nguyen T.-T., Nallapaty S., Rao G.S.N.K., Koneru S.T., Annam S.S.P., Tatipamula V.B.	Evaluating the in vitro activity of depsidones from <i>Usnea subfloridana</i> Stirton as key enzymes involved in inflammation and gout	2021	Pharmaceutical Sciences
78	Khuntia H., Bhavani K.S., Anusha T., Trinadh T., Stuparu M.C., Brahman P.K.	Synthesis and characterization of corannulene-metal-organic framework support material for palladium catalyst: An excellent anode material for accelerated methanol oxidation	2021	Colloids and Surfaces A: Physicochemical and Engineering Aspects
79	Tatipamula V.B., Ketha A., Nallapaty S., Kottana H., Koneru S.T.	Moss <i>Octoblepharum albidum</i> Hedw.: Isolation, characterization, in vitro and in vivo antidiabetic activities	2021	Advances in Traditional Medicine

80	Guguloth S.K., Malothu N., Kulandaivelu U., Koteswar Rao G.S.N., Areti A.R., Noothi S.	Phytochemical investigation and in vitro thrombolytic activity of terminalia pallida brandis leaves	2021	Research Journal of Pharmacy and Technology
81	Sarkate A.P., Dofe V.S., Tiwari S.V., Lokwani D.K., Karnik K.S., Kamble D.D., Ansari M.H.S.H., Dodamani S., Jalalpure S.S., Sangshetti J.N., Azad R., Burra P.V.L.S., Bhandari S.V.	One pot synthesis, in silico study and evaluation of some novel flavonoids as potent topoisomerase II inhibitors	2021	Bioorganic and Medicinal Chemistry Letters
82	Depa N., Erothu H.	Design, synthesis, antibacterial evaluation and molecular docking studies of novel pyrazole/1,2,4-oxadiazole conjugate ester derivatives	2021	Medicinal Chemistry Research
83	Rani N.V., Ravindhranath K.	p-TSA-catalyzed a simple and efficient one-pot eco-friendly synthesis of functionalized new isoxazolyl-4-hydroxyindole-3-carboxylate derivatives in aqueous medium	2021	Synthetic Communications

84	Prasanth D.S.N.B.K., Aminabee S., Rao A.L., Guntupalli C., Reddy A.R., Kulandaivelu U., Rao S.N.K., Rajeshwari P.	Inhibitory effects of <i>Manosa alliacea</i> in Freund's adjuvant arthritis on inflammatory markers and its confirmation by In-silico strategy	2021	Thai Journal of Pharmaceutical Sciences
85	Gorla U.S., Gsn K.R., Kulandaivelu U., Alavala R.R., Das S., Joseph A.	Bioflavonoids as potential target inhibitors in covid-19: An in silico analysis	2021	Journal of Research in Pharmacy
86	Prasanth D.S.N.B.K., Atla S.R., Atla R.P.	In vitro Anthelmintic activity of <i>Aralia racemosa</i> . L (root) and <i>Argyrea Pilosa</i> Wight & Arn. (Whole plant) against <i>Pheretima Posthuma</i>	2021	Iranian Journal of Pharmaceutical Sciences
87	Nagamalla L., Kumar J.V.S.	In silico screening of FDA approved drugs on AXL kinase and validation for breast cancer cell line	2021	Journal of Biomolecular Structure and Dynamics
88	Jagadeeshwar K., Kulandaivelu U., Alavala R.R., Koteswara Rao G.S.N., Prasanth D.S.N.B.K., Sreeharsha N.	Evaluation of anti-obesity of <i>pithecellobium dulce</i> against high fat diet induced obesity in experimental animals	2021	Research Journal of Pharmacy and Technology

89	Endoori S., Gulipalli K.C., Bodige S., Shaikh A.S., Vemula D., Surapureddi S.R., Seelam N.	Design, synthesis, anti-cancer activity and in-silico studies of some novel 4,5-dihydroisoxazole-5-carboxamide derivatives	2021	Synthetic Communications
90	Rani N.V., Ravindhranath K.	Acetic acid promoted an efficient and eco-friendly one-pot synthesis of functionalized novel isoxazolyl amino chromenopyrrole derivatives in aqueous medium	2021	Synthetic Communications
91	Akalu M., Murthy B., Abayeneh T., Gelaye E.	Major bacterial pathogens of bovine respiratory disease and lung lesions in calves from selected areas of Ethiopia	2021	Thai Journal of Veterinary Medicine
92	Vishala T.C., Hieu H.V., Killari K.N., Ranjit S.K., Samanth S., Polimati H., Ketha A., Annam S.S.P., Nallapaty S., Koneru S.T., Akula A.	A review on therapeutic benefits of active chemical moieties present in polyalthia longifolia	2021	Indian Journal of Pharmaceutical Sciences

93	Potluri H., Prasanth D.S.N.B.K., Atmakuri L.R.	In vivo antinociceptive effect of methanolic extract of ipomoea marginata Desr. In rodents as well as in silico molecular docking of some phytoconstituents from the plant	2021	Indian Journal of Pharmaceutical Sciences
94	Senthil S., Nattanmai Raman D., Sundaramoorthy A.	Study of the magnetic properties of Mn-doped iron titanate nanoparticles fabricated using natural mineral	2021	Micro and Nano Letters
95	Thoutreddy R., Kulandaivelu U., Rao G.S.N.K., Alavala R.R., Guntupalli C., Mudigonda A.	Fabrication and evaluation of lidocaine hydrochloride loaded cubosomes	2021	Research Journal of Pharmacy and Technology
96	Nagaraju J., Reddy R.A., Raju S.R., Rao K.G.S.N., Dsnbk P., Chakravarthi G.	ANTIDIABETIC ACTIVITY, ALPHA-AMYLASE and ALPHAGLUCOSIDASE INHIBITORY EFFECT of PASTINACA SATIVA EXTRACT	2021	Bulletin of Pharmaceutical Sciences. Assiut
97	Ponugoti M., Panda S.P., Kulandaivelu U., Rao G.S.N.K., Alavala R.R., Varma N.J.	Isolation and Evaluation of Anti-inflammatory activity of Epigallocatechin from Senegalia rugata along with PUFAs	2021	Research Journal of Pharmacy and Technology

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99	Lakshmi M.A., Prasanth D.S., Manjusha K.G., Rao B.G.	In vivo and in silico anti-arthritis studies of chlorogenic acid from the rhizome of Lasia spinosa (L.) Thwaites (Araceae)	2021	Thai Journal of Pharmaceutical Sciences
100	Gorla U.S., Koteswara Rao G.S.N., Kulandaivelu U., Alavala R.R., Panda S.P., Kolakota R.	Neuroprotective potentials of cocculus hirsutus leaf extract against 6,7-epoxytropine tropate-induced memory impairment in rats	2021	Biomedical and Pharmacology Journal
101	Shriwas O., Priyadarshini M., Samal S.K., Rath R., Panda S., Das Majumdar S.K., Muduly D.K., Botlagunta M., Dash R.	DDX3 modulates cisplatin resistance in OSCC through ALKBH5-mediated m6A-demethylation of FOXM1 and NANOG	2020	Apoptosis

102	Singh B.N., Veeresh V., Mallick S.P., Sinha S., Rastogi A., Srivastava P.	Generation of scaffold incorporated with nanobioglass encapsulated in chitosan/chondroitin sulfate complex for bone tissue engineering	2020	International Journal of Biological Macromolecules
103	Shahinshavali S., Hossain K.A., Kumar A.V.D.N., Reddy A.G., Kolli D., Nakhi A., Rao M.V.B., Pal M.	Ultrasound assisted synthesis of 3- alkynyl substituted 2- chloroquinoxaline derivatives: Their in silico assessment as potential ligands for N-protein of SARS-CoV-2	2020	Tetrahedron Letters
104	Pandey S., Phulara S.C., Mishra S.K., Bajpai R., Kumar A., Niranjan A., Lehri A., Upreti D.K., Chauhan P.S.	Betula utilis extract prolongs life expectancy, protects against amyloid- $\beta$ toxicity and reduces Alpha Synuclien in Caenorhabditis elegans via DAF-16 and SKN-1	2020	Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology
105	Naga Babu A., Srinivasa Reddy D., Suresh Kumar G., Ravindhranath K., Krishna Mohan G.V.	Sequential synergetic sorption analysis of Gracilaria Rhodophyta biochar toward aluminum and fluoride: A statistical optimization approach	2020	Water Environment Research

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107	Dasari S.R., Tondepu S., Vadali L.R., Seelam N.	PEG-400 mediated an efficient eco- friendly synthesis of new isoxazolyl pyrido[2,3-d]pyrimidines and their anti-inflammatory and analgesic activity	2020	Synthetic Communications
108	Panda S.P., Panigrahy U.P., Prasanth D.S.N.B.K., Gorla U.S., Guntupalli C., Panda D.P., Jena B.R.	A trimethoxy flavonoid isolated from stem extract of <i>Tabebuia chrysantha</i> suppresses angiogenesis in angiosarcoma	2020	Journal of Pharmacy and Pharmacology
109	Ega S.L., Drendel G., Petrovski S., Egidi E., Franks A.E., Muddada S.	Comparative analysis of structural variations due to genome shuffling of <i>Bacillus Subtilis</i> vs15 for improved cellulase production	2020	International Journal of Molecular Sciences



110	Venkat Swamy P., Kiran Kumar V., Radhakrishnam Raju R., Venkata Reddy R., Chatterjee A., Kiran G., Sridhar G.	Amide derivatives of 4-azaindole: Design, synthesis, and EGFR targeting anticancer agents	2020	Synthetic Communications
111	Dhananjaya G., Rao A.V.D., Hossain K.A., Anna V.R., Pal M.	In silico studies and $\beta$ -cyclodextrin mediated neutral synthesis of 4-oxo-4,5,6,7-tetrahydroindoles of potential biological interest	2020	Tetrahedron Letters
112	Abhiram N., Thangaraju D., Marnadu R., Santhana V., Chandrasekaran J., Gunasekaran S., Alshahrani T., Ali H.E., Shkir M., Devi N.S.M.P.L.	Fabrication of NiS decorated hollow SnS nano-belts based photodiode for enhanced optoelectronic applications	2020	Journal of Nanoparticle Research
113	Prasanth D.S.N.B.K., Aminabee S.K., Rao A.L., Teja N., Bhargavi K., Monika C., Pujitha B., Sandhya T., Lalitha A., Panda S.P.	Anthelmintic activity of Mansoa alliacea against Pheretima posthuma: In vitro and in silico approach	2020	Thai Journal of Pharmaceutical Sciences

114	Hieu H.V., Tatipamula V.B., Killari K.N., Koneru S.T., Srilakshmi N., Ranjith S.K.	HPTLC analysis, antioxidant and antidiabetic activities of ethanol extract of moss <i>fissidens grandiflora</i>	2020	Indian Journal of Pharmaceutical Sciences
115	Prasanth D.S.N.B.K., Panda S.P., Rao A.L., Teja N., Vani V.B.N., Sandhya T., Rao P.B.B.	In vitro anthelmintic impact of various extracts of <i>pavetta tomentosa</i> root on <i>pheretima posthuma</i> and in-silico molecular docking evaluation of some isolated phytoconstituents	2020	Indian Journal of Pharmaceutical Education and Research
116	Vijaya Nagini D., Krishna M.S.R., Karthikeyan S.	Identification of novel dipeptidyl peptidase-iv inhibitors from <i>ferula asafoetida</i> through gc-ms and molecular docking studies	2020	Research Journal of Pharmacy and Technology
117	Kumar V.K., Puli V.S., Babu A.V., Ruddaraju R.R., Prasad K.R.S.	Synthesis, anticancer evaluation, and molecular docking studies of benzoxazole linked combretastatin analogues	2020	Medicinal Chemistry Research
118	Rajani T., Mahesh G., Reddy B.C.S.	Formulation and evaluation of dexamethasone loaded cubosomes	2020	Research Journal of Pharmacy and Technology

119	Rao B.V.D., Vardhini S.V., Kolli D., Rao M.V.B., Pal M.	Ultrasound assisted synthesis of 2-substituted benzofurans via one-pot and sequential method: Their in vitro evaluation	2020	Anti-Cancer Agents in Medicinal Chemistry
120	Gorla U.S., Rao G.S.N.K.	Sars-cov-2: The prominent role of non-structural proteins (nsps) in COVID-19	2020	Indian Journal of Pharmaceutical Education and Research
121	Bandaru N., Komavari C., Gorla U.S., Koteswarao G.S.N., Kulandaivelu U., Ankarao A.	Neuroprotective effect of conessin on elevated oxidative stress induced alzheimers™ disease in rats	2020	Research Journal of Pharmacy and Technology
122	Rasvan Khan P., Charan P.H.K., Rao M.B.	FeCl <sub>3</sub> catalyzed prins cylization for the synthesis of angularly fused polycyclic scaffolds	2020	Synthetic Communications
123	Jagadeeshwar K., Kulandaivelu U., Rao G.K., Alavala R.R., Panda S.P.	Evaluation of Lipid Lowering Activity and Anti-Oxidant Status of Pithecellobium dulce in Obesity Induced Rats	2020	Indian Journal of Pharmaceutical Sciences

124	Diyya K.	Novel stability indicating rp-hplc method development and validation for simultaneous estimation of alfuzosin and dutasteride in pharmaceutical dosage form	2020	Indian Journal of Pharmaceutical Education and Research
125	Chandrika P., Prasad K.R.S., Phani R.S.C.	Phytochemical screening and evaluation of anti-bacterial activity and various anti-oxidant studies of root extracts of mangrove plant dalbergia spinosa	2020	Research Journal of Pharmacy and Technology
126	Valluri K.K., Allaka T.R., Viswanath I.V.K., Nagaraju P.	Synthesis and antibacterial / anticancer activities of compounds containing pyrazole ring linked to piperazines	2020	Current Bioactive Compounds
127	Vallam Reddy H.K.R., Anna V.R.	L-proline/urea catalyzed, novel, and eco-friendly synthesis of coumarin substituted-3-indoloxanthenes	2020	Journal of Heterocyclic Chemistry

128	Bandaru N., Gorla U.S., Kranthi Y., Koteswerrao G.S.N., Ankarao A.	Covid: An overview of their structure, replication, diagnosis, drug targets, new reported drugs and vaccine strategy	2020	International Journal of Pharmaceutical Research
129	Ummiti K., Kumar J.V.S.	Evaluation of temperature, excipients impact on the primary structure of Ganirelix in an injectable formulation, and comparison with Orgalutran® using MALDI-TOF/TOF-MS	2020	Journal of Mass Spectrometry
130	Rao T.B., Rao C.P.K., Maddur N., Rao M.S.	Synthesis and characterization of novel pyrimidine-4,5-diamine as anticancer agent	2020	International Journal of Research in Pharmaceutical Sciences
131	Vadlamani A., Ravindhranath K.	A novel LC-MS/MS method development and validation for ultra- trace level determination of three genotoxic efavirenz impurities	2020	Indian Journal of Pharmaceutical Sciences

132	Singh B.N., Veeresh V., Mallick S.P., Jain Y., Sinha S., Rastogi A., Srivastava P.	Design and evaluation of chitosan/chondroitin sulfate/nano- bioglass based composite scaffold for bone tissue engineering	2019	International Journal of Biological Macromolecules
133	Maddali N.K., Viswanath I.V.K., Murthy Y.L.N., Bera R., Takhi M., Rao N.S., Gudla V.	Design, synthesis and molecular docking studies of quinazolin-4-ones linked to 1,2,3-triazol hybrids as Mycobacterium tuberculosis H37Rv inhibitors besides antimicrobial activity	2019	Medicinal Chemistry Research
134	Mallick S.P., Beyene Z., Suman D.K., Madhual A., Singh B.N., Srivastava P.	Strategies towards Orthopaedic Tissue Engineered Graft Generation: Current Scenario and Application	2019	Biotechnology and Bioprocess Engineering
135	Veeramachaneni G.K., Thunuguntla V.B.S.C., Bhaswant M., Mathai M.L., Bondili J.S.	Pharmacophore directed screening of agonistic natural molecules showing affinity to 5HT <sub>2C</sub> receptor	2019	Biomolecules
136	Panda S.P., Panigrahy U.P., Panda S., Jena B.R.	Stem extract of <i>Tabebuia chrysantha</i> induces apoptosis by targeting sEGFR in Ehrlich Ascites Carcinoma	2019	Journal of Ethnopharmacology

137	Dasari S.R., Tondepu S., Vadali L.R., Seelam N.	Design, Synthesis and Molecular Modeling of Nonsteroidal Anti-inflammatory Drugs Tagged Substituted 1,2,3-Triazole Derivatives and Evaluation of Their Biological Activities	2019	Journal of Heterocyclic Chemistry
138	Tatipamula V.B., Killari K.N., Prasad K., Rao G.S.N.K., Talluri M.R., Vantaku S., Bilakanti D., Srilakshmi N.	Cytotoxicity Studies of the Chemical Constituents from Marine Algae <i>Chara baltica</i>	2019	Indian Journal of Pharmaceutical Sciences
139	Tatipamula V.B., Killari K.N., Gopaiah K.V., Ketha A.	GC-MS analysis of ethanol extract of <i>Taxithelium napalense</i> (Schwaerg) broth along with its $\beta$ -glucosidase inhibitory activity	2019	Indian Journal of Pharmaceutical Sciences
140	Solingapuram Sai K.K., Bashetti N., Chen X., Norman S., Hines J.W., Meka O., Kumar J.V.S., Devanathan S., Deep G., Furdui C.M., Mintz A.	Initial biological evaluations of 18F-KS1, a novel ascorbate derivative to image oxidative stress in cancer	2019	EJNMMI Research

141	Mannam M.R., Srimurugan S., Kumar P., R. S. Prasad K.	Synthesis of Novel 1-(5-(Benzylsulfinyl)-3-methyl-1,3,4-thiadiazol-2(3H)-ylidene)-thiourea/urea Derivatives and Evaluation of Their Antimicrobial Activities	2019	Journal of Heterocyclic Chemistry
142	Bokka C.S., Veeramachaneni G.K., Thunuguntla V.B.S.C., Manda N.K., Bondili J.S.	Specific panallergen peptide of Sorghum Polcalcin showing IgE response identified based on in silico and in vivo peptide mapping	2019	Bioscience Reports
143	Bashetti N., Shanmukha Kumar J.V., Seelam N.V., Prasanna B., Mintz A., Damuka N., Devanathan S., Solingapuram Sai K.K.	One-pot synthesis of novel tert-butyl-4-substituted phenyl-1H-1,2,3-triazolo piperazine/piperidine carboxylates, potential GPR119 agonists	2019	Bioorganic and Medicinal Chemistry Letters
144	Nallapati S., Kulandaivelu U., Rao G.K., Panda S.P., Alavala R.R.	Antidiabetic activity of Chrozophorarottlerileaves extracts in streptozotocin induced diabetic rats	2019	International Journal of Pharmaceutical Research



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146	Yelampalli S.R., Jagarlapudi V.S.K., Mallu U.R.	Development and validation of genotoxic impurity in esomeprazole magnesium trihydrate active pharmaceutical ingredient by LC- MS/MS	2019	Indian Journal of Pharmaceutical Education and Research
147	Yelampalli S.R., Shanmukha Kumar J.V., Mallu U.R.	Development and validation of HPLC method for determination of decitabine impurity profile in decitabine for injection 50mg/vial	2019	Research Journal of Pharmacy and Technology
148	Addada R.R., Regalla V.R., Gangireddy Venkata S.R., Vema V.N., Anna V.R.	An Alternative Approach to the Synthesis of Parvistone C	2019	Journal of Heterocyclic Chemistry
149	Bolla R.S., Gandikota N.M., Viswanath I.V.K.	Synthesis of deuterium labeled 5, 5- dimethyl-3-( $\hat{1}\pm, \hat{1}\pm, \hat{1}\pm$ -trifluoro-4-nitro- m-tolyl) hydantoin	2019	Current Radiopharmaceuticals

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151	Somavarapu S., Vemula S., Bhaskar Reddy I.	Substrate Specificity and Immobilization Studies of Purified Solanin from the Latex of Vallaris solanacea	2019	International Journal of Peptide Research and Therapeutics
152	Amujuri D., Siva B., Poornima B., Sirisha K., Sarma A.V.S., Lakshma Nayak V., Tiwari A.K., Purushotham U., Suresh Babu K.	Synthesis and biological evaluation of Schizandrin derivatives as potential anti-cancer agents	2018	European Journal of Medicinal Chemistry
153	Prasad A.S.G., Rao T.B., Rambabu D., Rao M.V.B., Pal M.	Ultrasound assisted synthesis of quinoline derivatives in the presence of SnCl <sub>2</sub> ·2H <sub>2</sub> O as a precatalyst in water: Evaluation of their antibacterial activities	2018	Mini-Reviews in Medicinal Chemistry

154	Ravula P., Vamaraju H.B., Paturi M., Bodige S., Gulipalli K.C., Narendra Sharath Chandra J.N.	Design, Synthesis, and Docking Studies of Novel Dimethyl Triazene Incorporated Thiazolyl Pyrazolines for Anticancer Activity	2018	Journal of Heterocyclic Chemistry
155	Bodige S., Ravula P., Gulipalli K.C., Endoori S., Chandra J.N.N.S., Cherukumalli P.K.R., Vanaja G.R., Seelam N.	Design, synthesis and biological evaluation of novel urea and thiourea bearing thieno[3,2-d]-pyrimidines as PI3 kinase inhibitors	2018	Anti-Cancer Agents in Medicinal Chemistry
156	Bodiga S., Vemuri P.K., Bodiga V.L.	Low Ctr1p, due to lack of Sco1p results in lowered cisplatin uptake and mediates insensitivity of rho0 yeast to cisplatin	2018	Journal of Inorganic Biochemistry
157	Reddy G.S., Srinivasulu K., Mahendran B., Reddy R.S.	Biochemical characterization of anti- microbial activity and purification of glycolipids produced by dodecanoic acid-undecyl ester	2018	Research Journal of Pharmacy and Technology

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159	Puli V.S., Kumar V.K., Regalla V.R., Chatterjee A.	Microwave-assisted synthesis, characterization, and biological evaluation of phenylacrylamide derivatives of triazoles derived from oxazolones	2018	Asian Journal of Pharmaceutical and Clinical Research
160	Regalla V.R., Addada R.K.R., Puli V.S., Saxena A.S., Chatterjee A.	Highly efficient synthesis of 2,4- disubstituted oxazoles through palladium/copper comediated direct arylation reaction	2018	Asian Journal of Pharmaceutical and Clinical Research
161	Naresh Kumar M., Thunuguntla V.B.S.C., Chandra Sekhar B., Bondili J.S.	Saccharomyces cerevisiae lipid droplet associated enzyme Ypr147cp shows both TAG lipase and ester hydrolase activities	2018	Journal of General and Applied Microbiology

162	Satyanarayana S.D.V., Krishna M.S.R., Kumar P.P.	Identification of upregulated nitrogen fixing bacteria for arachis hypogaea by exploring natural combination: A physical, biochemical, and in silico approach	2018	Journal of Pure and Applied Microbiology
163	Panigrahy U.P., Panda S.P., Sudhakar M.	Colorimetric analysis of raltegravir in pharmaceutical formulation and human biological fluids through oxidative coupling reaction using 3-methyl-2-benzothiazolinone hydrazone reagent	2018	Research Journal of Pharmacy and Technology
164	Venkata Gopaiah K., Kalyani G., Koteswara Rao G.S.N., Tamil Jothi E.	In vitro and In vivo anti-inflammatory potential of isolated compounds from ethyl acetate extracts of Tecomaria capensis	2018	International Journal of Green Pharmacy
165	Venkata Gopaiah K., Kalyani G., Koteswara Rao G.S.N., Tamil Jothi E.	Effect of analgesic activity in crude extract and isolated compounds of Tecomaria capensis	2018	International Journal of Green Pharmacy

166	Mallu M.R., Ronda S.R., Kamma S., Golamari S.R., Vemula S.	Hematological and immunomodulatory evaluation of methanolic extract of Sorghum bicolor leaves	2018	International Journal of Green Pharmacy
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