

# Chandan Shivamallu

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

658  
citations

623734

14  
h-index

642732

23  
g-index

43  
all docs

43  
docs citations

43  
times ranked

590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antiviral and immunomodulatory activity of curcumin: A case for prophylactic therapy for COVID-19. <i>Heliyon</i> , 2021, 7, e06350.	3.2	86
2	In silico evaluation of flavonoids as effective antiviral agents on the spike glycoprotein of SARS-CoV-2. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1040-1051.	3.8	66
3	Genistein: A Potent Anti-Breast Cancer Agent. <i>Current Issues in Molecular Biology</i> , 2021, 43, 1502-1517.	2.4	53
4	Functionalized Silver Nano-Sensor for Colorimetric Detection of Hg <sup>2+</sup> Ions: Facile Synthesis and Docking Studies. <i>Sensors</i> , 2018, 18, 2698.	3.8	33
5	Biogenic Synthesis of NiO Nanoparticles Using Areca catechu Leaf Extract and Their Antidiabetic and Cytotoxic Effects. <i>Molecules</i> , 2021, 26, 2448.	3.8	28
6	Luteolin-Fabricated ZnO Nanostructures Showed PLK-1 Mediated Anti-Breast Cancer Activity. <i>Biomolecules</i> , 2021, 11, 385.	4.0	27
7	Evaluation of <i>Annona muricata</i> Acetogenins as Potential Anti-SARS-CoV-2 Agents Through Computational Approaches. <i>Frontiers in Chemistry</i> , 2020, 8, 624716.	3.6	25
8	Molecular detection of plant pathogenic bacteria using polymerase chain reaction single-strand conformation polymorphism. <i>Acta Biochimica Et Biophysica Sinica</i> , 2012, 44, 217-223.	2.0	21
9	Tumoricidal and Bactericidal Properties of ZnONPs Synthesized Using <i>Cassia auriculata</i> Leaf Extract. <i>Biomolecules</i> , 2020, 10, 982.	4.0	21
10	A Novel and One-pot Green Synthesis of Vanadium Oxide Nanorods Using a Phytomolecule Isolated from <i>Phyllanthus amarus</i> . <i>ChemistrySelect</i> , 2018, 3, 3860-3865.	1.5	18
11	Investigation of Antifungal Properties of Synthetic Dimethyl-4-Bromo-1-(Substituted Benzoyl) Pyrrolo[1,2-a] Quinoline-2,3-Dicarboxylates Analogues: Molecular Docking Studies and Conceptual DFT-Based Chemical Reactivity Descriptors and Pharmacokinetics Evaluation. <i>Molecules</i> , 2021, 26, 2722.	3.8	18
12	Phyto-Mediated Synthesis of Silver Nanoparticles Using <i>Terminalia chebula</i> Fruit Extract and Evaluation of Its Cytotoxic and Antimicrobial Potential. <i>Molecules</i> , 2020, 25, 5042.	3.8	17
13	Antitumor Potential of Green Synthesized ZnONPs Using Root Extract of <i>Withania somnifera</i> against Human Breast Cancer Cell Line. <i>Separations</i> , 2021, 8, 8.	2.4	16
14	Virtual screening of potential phyto-candidates as therapeutic leads against SARS-CoV-2 infection. <i>Environmental Challenges</i> , 2021, 4, 100136.	4.2	16
15	Green Synthesis of Biologically Active Silver Nanoparticles through a Phyto-mediated Approach Using <i>Areca catechu</i> Leaf Extract. <i>ChemistrySelect</i> , 2017, 2, 10354-10359.	1.5	14
16	Phyto anti-biofilm elicitors as potential inhibitors of <i>Helicobacter pylori</i> . <i>3 Biotech</i> , 2019, 9, 53.	2.2	14
17	One-pot synthesis of aqueous carbon quantum dots using bibenzoimidazolyl derivative and their antitumor activity against breast cancer cell lines. <i>Inorganic Chemistry Communication</i> , 2019, 101, 11-15.	3.9	14
18	Assessment of Chemopreventive Potential of the Plant Extracts against Liver Cancer Using HepG2 Cell Line. <i>Molecules</i> , 2021, 26, 4593.	3.8	14

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19	Recent Advances on the Development of Chemosensors for the Detection of Mercury Toxicity: A Review. <i>Separations</i> , 2021, 8, 192.	2.4	14
20	Plants and endophytes – a partnership for the coumarin production through the microbial systems. <i>Mycology</i> , 2022, 13, 243-256.	4.4	14
21	Preparation, Spectroscopic Characterization, Theoretical Investigations, and In Vitro Anticancer Activity of Cd(II), Ni(II), Zn(II), and Cu(II) Complexes of 4(3H)-Quinazolinone-Derived Schiff Base. <i>Molecules</i> , 2020, 25, 5973.	3.8	13
22	Eco-Friendly Synthesis of MnO <sub>2</sub> Nanorods Using Gmelina arborea Fruit Extract and Its Anticancer Potency Against MCF-7 Breast Cancer Cell Line. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 901-907.	6.7	13
23	Synthesis, Computational Pharmacokinetics Report, Conceptual DFT-Based Calculations and Anti-Acetylcholinesterase Activity of Hydroxyapatite Nanoparticles Derived From Acorus Calamus Plant Extract. <i>Frontiers in Chemistry</i> , 2021, 9, 741037.	3.6	11
24	Indole moiety induced biological potency in pseudo-peptides derived from 2-amino-2-(1H-indole-2-yl) based acetamides: Chemical synthesis, in vitro anticancer activity and theoretical studies. <i>Journal of Molecular Structure</i> , 2020, 1217, 128445.	3.6	9
25	Tumoricidal Potential of Novel Amino-1,10-phenanthroline Derived Imine Ligands: Chemical Preparation, Structure, and Biological Investigations. <i>Molecules</i> , 2020, 25, 2865.	3.8	9
26	Biosorption of oxybenzene using biosorbent prepared by raw wastes of Zea mays and comparative study by using commercially available activated carbon. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 3469-3476.	3.8	8
27	Phytogetic synthesis of silver nanobactericides for anti-biofilm activity against human pathogen H. pylori. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	7
28	Pseudo-peptides as novel antileptospiral agents: Synthesis and spectral characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 1152-1157.	3.9	6
29	Synthesis, characterization, in silico analysis and physicochemical properties of tin(II) and lead(II) coordination complexes prepared using 2-((3,5-dimethoxybenzylidene)amino)pyridin-3-ol and 1,10-phenanthroline. <i>Polyhedron</i> , 2019, 157, 536-547.	2.2	6
30	Synonymous codon usage pattern among the S, M, and L segments in crimean-congo hemorrhagic fever causing virus. <i>Bioinformatics</i> , 2021, 17, 479-491.	0.5	6
31	N-((1H-Pyrrol-2-yl)methylene)-6-methoxypyridin-3-amine and Its Co(II) and Cu(II) Complexes as Antimicrobial Agents: Chemical Preparation, In Vitro Antimicrobial Evaluation, In Silico Analysis and Computational and Theoretical Chemistry Investigations. <i>Molecules</i> , 2022, 27, 1436.	3.8	6
32	Preparation, spectroscopic investigations and chemical reactivity properties of a new schiff base ligand and its copper (II) complexes. <i>Journal of Molecular Structure</i> , 2019, 1191, 17-23.	3.6	5
33	Virtual Screening for Potential Phytobioactives as Therapeutic Leads to Inhibit NQO1 for Selective Anticancer Therapy. <i>Molecules</i> , 2021, 26, 6863.	3.8	5
34	Nanoconjugate Synthesis of Elaeocarpus ganitrus and the Assessment of Its Antimicrobial and Antiproliferative Properties. <i>Molecules</i> , 2022, 27, 2442.	3.8	5
35	Structural Diversity and Role of Phytochemicals against P38- $\pm$ Mitogen-activated Protein Kinase and Epidermal Growth Factor Receptor Kinase Domain: A Privileged Computational Approach. <i>Journal of Pure and Applied Microbiology</i> , 2021, 15, 2263-2269.	0.9	4
36	Structural, Electronic, Vibrational and Pharmacological Investigations of Highly Functionalized Diarylmethane Molecules Using DFT Calculations, Molecular Dynamics and Molecular Docking. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2177-2195.	2.6	4

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37	Salicylic acid-mediated enhancement of resistance in tomato plants against <i>Xanthomonas perforans</i> . Saudi Journal of Biological Sciences, 2022, 29, 2253-2261.	3.8	3
38	Anti-breast cancer potential of MnO <sub>2</sub> nanoparticles using Terminalia chebula fruit extract against MCF-7 cell line through in vitro cell cycle and apoptotic studies. Materials Today: Proceedings, 2022, , .	1.8	3
39	Investigation of Pharmaceutical Importance of 2H-Pyran-2-One Analogues via Computational Approaches. Symmetry, 2021, 13, 1619.	2.2	2
40	Review of Known and Unknown Facts of <i>Klebsiella Pneumoniae</i> and its Relationship with Antibiotics. Biomedical and Pharmacology Journal, 2022, 15, 643-650.	0.5	2
41	Isolation and identification of <i>Leptospira</i> species from bovines by rpoB and LipL41 genes based phylogenetic analysis. Journal of King Saud University - Science, 2021, 33, 101272.	3.5	1
42	Seroprevalence of sheeppox and goatpox virus in Asia and African continent: A systematic review and meta-analysis (Scientometrics). Veterinary World, 2022, 15, 455-464.	1.7	1
43	Molecular docking analysis of phytochemicals from <i>Acacia farnesiana</i> with protein targets linked to bronchitis. Bioinformation, 2021, 17, 557-567.	0.5	0