SBST- Publication details from January 2025- June 2025

Sl.No	Author(s)	Paper Title	Journal Name	Imp Factor
s1	Mukherjee A.G., Mishra S., Gopalakrishnan A.V., Kannampuzha S., Murali R., Wanjari U.R., B S., Vellingiri B., Madhyastha H., Kanagavel D., Vijayan M.	Unraveling the mystery of citrate transporters in Alzheimer's disease: An updated review	Ageing Research Reviews	**12.5**
2	Murugan D.; Vasanthakumari Thirumalaiswamy H.; Murugesan V.; Venkatesan J.; Balachandran U.; Lakshminarayanan K.; Satpati D.; Nikolić S.; Rangasamy L.	Unlocking the power of affibody-conjugated radioactive metallopharmaceuticals for targeted cancer diagnosis and therapy.	Pharmacology and Therapeutics	**12**
3	Mohan A.A., Talwar P.	MAM kinases: physiological roles, related diseases, and therapeutic perspectives – a systematic review	Cellular and Molecular Biology Letters	**9.2**
4	Perumal N., Gopalakrishnan P., Burkovetskaya M., Doss D., Dukkipati S.S., Kanchan R.K., Mahapatra S.	Nuclear factor I/B: Duality in action in cancer pathophysiology	Cancer Letters	**9.1**
5	Maiti P.; Chatterjee A.; Mishra A.; Biswas S.; Anishka; Meikap B.C.	Thiazine dye sorption onto (NH4)2S2O8 treated bio-adsorbent: Implications for batch and fixed-bed column applications	Separation and Purification Technology	**8.1**
6	Panda T.K., Bollepalli D., Beji D.S., Varanasi K., Ananth M., Rajarajeswaran J., Eswar Neerugatti K.R.	Beyond Slurry Systems: Chitosan Thin Film Fabrication, Mechanism, and Reusability for Sustainable Textile Effluent Remediation	Separation and Purification Technology	**8.1**
7	Ray S.; Vashishth R.; Mukherjee A.G.; Valsala	Mercury in the environment: Biogeochemical transformation, ecological	Chemosphere.	**8.1**

	Gopalakrishnan A.; Sabina E.P.	impacts, human risks, and remediation strategies		
8	Lawrence L.V., Vishnu D.	Exploring the potential of biologically synthesized nano-adsorbents in removal of hexavalent chromium (Cr (VI)): Mechanistic studies and circular economy integration	Journal of Environmental Management	**8**
9	Sahu A.; Ruhal R.	Immune system dynamics in response to *Pseudomonas aeruginosa* biofilms.	npj Biofilms and Microbiomes	**7.8**
10	Sounderarajan S.; Vikram Surya A.P.; Seenivasan H.; Mayilerum Perumal N.; Puchalapalli D.S.R.; Ayothiraman S.	Design strategies for novel esterase purification processes from Trichoderma harzianum-An insight into kinetic and thermodynamic analyses	International Journal of Biological Macromolecules	**7.7**
11	Maddirala S., Tadepalli S.P., Lakshiakanthan E., Ganesan J.J., Issac R., Basavegowda N., Baek K.-H., Haldar D.	Biodegradable composite films of barley fibers for food packaging applications: A review	International Journal of Biological Macromolecules	**7.7**
12	Sekaran M.; Thiagarajan K.	Biochemical detoxification of hexavalent chromium (Cr6 +) by the endophytic fungus Aspergillus ruber isolated from the marine alga Portieria hornemannii	Journal of Environmental Chemical Engineering	**7.4**
13	Varghese R.; Shringi H.; Efferth T.; Ramamoorthy S.	Artificial intelligence-driven approaches in phytochemical research: trends and prospects.	Phytochemistry Reviews	**7.3**
14	Bell I P.J.; Muniyan R.	Targeting the quorum sensing network in Acinetobacter baumannii: A dual target structure-based approach for the development of novel antimicrobials	Computers in Biology and Medicine,	**7**
15	Palanisamy T.B.; Arumugam M.	Transcriptomic analysis reveals potential biomarkers for early-onset pre-eclampsia using integrative bioinformatics and LASSO based approach	Computers in Biology and Medicine	**7**
16	Gopikrishnan M.; Elavarasu S.M.; Vasudevan K.; Shree	Gopikrishnan M.; Elavarasu S.M.; Vasudevan K.; Shree	Computers in Biology and Medicine	**7**

	Devi M.S.; K S.; Varsha A S.L.; Doss C G.P.	Devi M.S.; K S.; Varsha A S.L.; Doss C G.P.		
17	Varghese R.; Shringi H.; Efferth T.; Ramamoorthy S.	Artificial intelligence driven approaches in phytochemical research: trends and prospects	Phytochemistry Reviews,	**7.3**
18	Saravanan K.; Baskaran R.R.	Fucoxanthin supplemented combinatorial treatment accelerates diabetic wound healing in rats by targeting hypermethylation of Ang-1 promoter via DNMT-1 inhibition	Biomedicine and Pharmacotherapy	**6.9**
19	Ganeshbabu M.; Manochkumar J.; Efferth T.; Ramamoorthy S.	Lutein: A natural defence combating age-related macular degeneration	Phytomedicine	**6.7**
20	Sekaran M.; Thiagarajan K.	Green strategies for chromium detoxification in tannery effluents: Adsorption and bioconversion with Portieria hornemannii	Environmental Technology and Innovation	**6.7**
21	Mundanat A.S.; Singh V.; Talniya N.C.; Rana S.S.	Plasma modification in fruit juices: Changes in structure, colour, rheological parameters and sensory properties	Food Chemistry: X	**6.5**
22	Dixit S. S.; Muruganandam L.; Moorthy I. G.	Pectin from fruit peel: A comprehensive review on various extraction approaches and their potential applications in pharmaceutical and food industries.	Carbohydrate Polymer Technologies and Applications	**6.2**
23	Ghosh S.; Basu S.; Anbarasu A.; Ramaiah S.	A Comprehensive Review of Antimicrobial Agents Against Clinically Important Bacterial Pathogens: Prospects for Phytochemicals	Phytotherapy Research	**6.1**
24	Senthilkumar H., Arumugam M.	Gut microbiota: a hidden player in polycystic ovary syndrome	Journal of Translational Medicine	**6.1**
25	Varghese R., Emerson A., Vannier B., George Priya Doss C., Priyadharshini R., Efferth T., Ramamoorthy S.	Substantial Effects of Carotenoids on Skin Health: A Mechanistic Perspective	Phytotherapy Research	**6.1**

26	Suresh P.; Muneer S.	Light spectrum mediated improved graft-healing response by enhanced expression of transport protein in vegetables under drought conditions.	Plant Physiology and Biochemistry	**6.1**
27	Varghese R.; Emerson A.; Vannier B.; George Priya Doss C.; Priyadharshini R.; Efferth T.; Ramamoorthy S.	Substantial Effects of Carotenoids on Skin Health: A Mechanistic Perspective.	Phytotherapy Research	**6.1**
28	Anjali G.; Sabumon P.C.; Mehta A.	Development of a mixed culture-based combined process for simultaneous removal of higher concentrations of phenol and NH4-N from wastewater	Results in Engineering	**6**
29	Gundlapalli M., Ganesan S.	Polyhydroxyalkanoates (PHAs): Key Challenges in production and sustainable strategies for cost reduction within a circular economy framework	Results in Engineering	**6**
30	John P., Sriram S., Palanichamy C., Subash P.T., Sudandiradoss C.	A multifarious bacterial surface display: potential platform for biotechnological applications	Critical Reviews in Microbiology	**6**
31	Swathe Sriee A.E; Das K R.; Manian R.; Shanmugam V.; Shankar V.	Artificial Neural Network-Response Surface Methodology based multi-parametric optimization and modelling of biolipid production from Aspergillus flavus	Biomass and Bioenergy	**5.8**
32	Palanisamy S.; Saravana Kumar B.K.; Sivakumar G.; Selvan S.; Lee J.; Bharathi D.	Advancing marine cellulose-based packaging: A review on sustainable biorefinery perspectives.	Biomass and Bioenergy	**5.8**
33	Sishu N.K.; Selvaraj C.I.	Bio-fabrication of *Cichorium intybus* L. root aqueous extract mediated ZnO nanoparticle (CIRAE-ZnO NP) for its promising therapeutic applications.	Green Chemistry Letters and Reviews.	**5.8**
34	Sishu N.K.; Selvaraj C.I.	Biogenic Ag-CuO nanocomposite fabricated using Cichorium intybus L.,	Surfaces and Interfaces	**5.7**

		root extract: A dual approach for biological investigations and photocatalytic degradation of norfloxacin		
35	Saha P.; Ravanan P.; Talwar P.	A multi-omics exploration of PPARG activation in colon cancer: kinases featuring a PPRE sequence within regulatory regions	Biology Direct	**5.7**
36	Ramalingam P.S.; Aranganathan M.; Hussain M.S.; Elangovan S.; Chellasamy G.; Balakrishnan P.; Mekala J.R.; Yun K.; Arumugam S.	Unveiling reverse vaccinology and immunoinformatics toward Saint Louis encephalitis virus: a ray of hope for vaccine development	Frontiers in Immunology	**5.7**
37	Khare A.; De D.; Arora A.	Shelf-life of iron-rich ready-to-eat snacks: Impact of vacuum and modified atmospheric packaging under different storage conditions.	Food Control	**5.6**
38	Chavda V.P.; Vuppu S.; Mishra T.; Sharma N.; Kamaraj S.; Mishra S.; Sureshbhai B.; Matsoukas J.; Apostolopoulos V.	Control measures for neglected tropical diseases: vaccine updates.	Expert Review of Vaccines.	**5.5**
39	Harshan K.; Rajan A.P.	Unveiling the potential of microbial biominers in bioleaching for heavy metal recovery from E-waste: A comprehensive review	Advances Journal of Hazardous Materials	**5.4**
40	Ramesh P.; Palaniappan A.	Green synthesis of nanoceria using Terminalia Arjuna extract for enhanced stability, antioxidant, and anticancer properties than their chemical counterparts	Colloids and Surfaces B: Biointerfaces	**5.4**
41	Ezhil I.; Seetharaman A.; Kanumuri R.; Rajamani B.; Gangavarapu R.R.; Venkatraman G.; Rayala S.K.	Novel Combination Therapy Targeting Oncogenic Signaling Kinase P21-Activated Kinase 1 and Chemotherapeutic Drugs Against Triple-Negative Breast Cancer	Molecular Cancer Therapeutics	**5.3**
42	Priyadharshini S.; Veilumuthu P.;	The synergy of experimental and theoretical investigation of solvent impact on	Journal of Molecular Liquids	**5.3**

	Godwin Christopher J.; Anitha K.	structural, physicochemical properties of a bioactive meta-para Schiff base crystal: 4-Bromo 3-nitrobenzylidene aniline		
43	Neethudas B. Y.; Suresh P. K.; Mukherjee A.	Toxicity due to the release of microplastic fibres from disposable face masks on marine diatom Chaetoceros sp. and the role of EPS in combating the toxic effects.	Emerging Contaminants	**5.3**
44	Sharma D.; Panchaksaram, M.; Muniyan R.	Advancements in understanding the role and mechanism of the sirtuin family (SIRT1-7) in breast cancer management.	Biochemical Pharmacology	**5.3**
45	Hiruthyaswamy S.P.; Deepankumar K.	Suckerin based biomaterials for wound healing: a comparative review with natural protein-based biomaterials	Materials Advances	**5.2**
46	Sekar M.; Thirumurugan K.	The role of TP53INP2 as an adaptor protein in the regulation of lipophagy in mature adipocytes.	Life Sciences	**5.2**
47	Joseph S.; Vijayakumar N.; Kothandam S.; Janakiraman K.; Abraham J.; Genasan K.; Swamiappan S.	Silver-doped diopside: A multifunctional bioceramic with enhanced bioactivity, mechanical strength, and antimicrobial properties for bone regeneration	Ceramics International	**5.1**
48	Sharmila A.; Selvaraj C.I.	Sustainable synthesis of Au-ZnO nanocomposites for effective photocatalytic degradation of methylene blue in wastewater and therapeutic applications	Ceramics International	**5.1**
49	Kumari R., Banerjee S.	Regulation of Different Types of Cell Death by Noncoding RNAs: Molecular Insights and Therapeutic Implications	ACS Pharmacology and Translational Science	**4.9**
50	Chakraborty S., Kumar A.S., Banerjee S.	Lipids: Driving Forces in the Underlying Biology of Carcinogenesis	ACS Pharmacology and Translational Science	**4.9**
51	Selvam P. K.; Mudipalli Elavarasu S.; Vasudevan K.	Genetic insights into *Staphylococcus aureus* resistance: exploring AMR genes and molecular interactions.	Pathogens and Global Health	**4.9**

52	Angelin J.; Kavitha M.	Structural characterization and in vitro anti-inflammatory activity of exopolysaccharide produced by Pediococcus pentosaceus 4412	International Immunopharmacology	**4.8**
53	Gopinathan S., Suthindhiran K.	Microbial contamination in the marine recreational sites and its impact on public health	Ocean and Coastal Management	**4.8**
54	Annamalai C., Viswanathan P.	Vitamin D and Acute Kidney Injury: A Reciprocal Relationship	Biomolecules	**4.8**
55	Hussain S.S.; Kingsley J.D.	Metabolomics and proteomics: synergistic tools for understanding snake venom inhibition	Archives of Toxicology	**4.8**
56	Nandhini G.; Shobana M. K.; Saravanan P.; Joseyphus R. J.; Sriram J.; Dasgupta T.; Venkatraman M.	Enhancing the magnetic hyperthermia characteristics and cytotoxicity analysis of biphasic $MnFe_2O_4$/NiO nanocomposites	Emergent Materials	**4.8**
57	Srinivasan S.; Shanthakumar S.; Ashok B.	Sustainable lithium-ion battery recycling: A review on technologies, regulatory approaches and future trends	Energy Reports	**4.7**
58	Hou X.; Dubessay P.; Christophe G.; Bridiau N.; Bodet P. E.; Traikia M.; Raja M.D.; Pierre G.	Development of a Dual-Stage CIM® CDI Reactor with Immobilized Glucuronan Lyases and Laccases for Sustainable Synthesis of Antioxidant Phenolized Oligoglucuronan	Polysaccharides	**4.7**
59	Panchal S.; Si Z.	Global excellence in fungal pathogenesis: Asia & Australasia	Frontiers in Cellular and Infection Microbiology	**4.6**
60	Parvez R.; Vijayakumar S.; Vins A.; Ramaiah S.; Anbarasu A.; Biswas L.; Muruganandam N.	Understanding the vaginal microbiome among women with different genotypes of human papillomavirus infection in remote Andaman islands.	Frontiers in Cellular and Infection Microbiology	**4.6**
61	Sridhar P.; Bhatt H.; Padala K.; Reddy S.R.; Alagumuthu M.; Arumugam S.; Chun-Cheng L.; Wang S.-K.	Sustainable synthesis of nitrogen-rich pyridazine-triazole scaffolds as efficient Tyrosine kinase inhibitors via Click reaction.	Bioorganic Chemistry	**4.5**
62	Rajkumar R.; Rejith A.V.P.; Ramasubbu K.; Devi R.V.	Analysis of marketed soft drinks and reduction of food colours with a simple	Applied Food Research	**4.5**

		absorption technique with PVA-Ag nanofilms		
63	Hiremath K.B.; Manochkumar J.; Ramamoorthy S.; Shivashankar M.	Studies on DNA/HSA binding properties of new triazole-based imine functionalized derivatives using spectroscopic and computational methods	Bioorganic Chemistry	**4.5**
64	Narayan A.B.; Hariom S.K.; Mukherjee A.P.; Das D.; Nair A.; Nelson E.J.R.	"Nomadic" Hematopoietic Stem Cells Navigate the Embryonic Landscape	Stem Cell Reviews and Reports	**4.5**
65	Sharmila A.; Darshan A.R.; Hadkar V.M.; Sishu N.K.; Selvaraj C.I.	Green fabrication of Hildegardia populifolia (Roxb.) derived MgO nanoparticles exhibiting potential antioxidant, antibacterial, and photocatalytic properties	Inorganic Chemistry Communications	**4.4**
66	George E.A.; Naha A.; Soundharya H.; Pallavi J.; Menon A.; Anbarasu A.; Ramaiah S.	Pharmacokinetics Screening, Molecular Docking, and Dynamics Simulations Revealed Novel Antimicrobial Peptide, NKLF2 Mutants as Potent Inhibitors of Mycobacterium tuberculosis.	Probiotics and Antimicrobial Proteins	**4.4**
67	Kavya P.; Gayathri M.	Bioactive fraction isolated from *Curcuma angustifolia* rhizome exerts anti-diabetic effects in vitro, in silico and in vivo by regulating AMPK/PKA signaling pathway	Frontiers in Pharmacology	**4.4**
68	Aazath K.; Aravindraj K.; Simplica S.J.A.; Roopan S.M.; Arunachalapandi M.; Kanjirakkandy A.A.; Vaithilingam M.	Lignin derived carbon capped CuO assisted one pot synthesis of quinazolines and its antibacterial activity	Inorganic Chemistry Communications	**4.4**
69	Vijayaganapathi A., Mohanasrinivasan V.	A Review of Next-Generation Probiotics – As a Gateway to Biotherapeutics	Probiotics and Antimicrobial Proteins	**4.4**
70	Nag S.; Damodar K.S.H.; Mukherjee S.; Rao D.R.; Debnath I.; Haryini S.; Mohanto S.; Ahmed M.G.; Subramaniyan V.	Unveiling the trending paradigms of synthesis and theranostic biomedical potentials of nano-diamonds (NDs) - a state-of-the-art update.	Inorganic Chemistry Communications	**4.4**

71	Robinson G.I.; Gerasymchuk M.; Zanikov T.; Gojani E.G.; Asghari S.; Groves A.; Haselhorst L.; Nandakumar S.; Stahl C.; Cruz C.; Cameron M.; Zahoruiko Y.; Li D.; Rodriguez-Juarez R.; Snelling A.; Hudson D.; Fiselier A.; Kovalchuk O.; Kovalchuk I.	LPS-Induced Liver Inflammation Is Inhibited by Psilocybin and Eugenol in Mice	Pharmaceuticals	**4.3**
72	Priyadarshini L.A.S., Kataria R.	Microbial synthesis and extraction of value-added metabolites by Rhodotorula toruloides from waste stream: a sustainable approach	Microbial Cell Factories	**4.3**
73	Maneesha M.; Devi S.C.	A bioprocess optimization study to enhance the production of Menaquinone-7 using *Bacillus subtilis* MM26	Microbial Cell Factories	**4.3**
74	Robinson G.I.; Gerasymchuk M.; Zanikov T.; Gojani E.G.; Asghari S.; Groves A.; Haselhorst L.; Nandakumar S.Stahl C.; Cruz C.; Cameron M.; Zahoruiko Y.; Li D.; Rodriguez-Juarez R.; Snelling A.; Hudson D.; Fiselier A.; Kovalchuk O.; Kovalchuk I.	LPS-Induced Liver Inflammation Is Inhibited by Psilocybin and Eugenol in Mice.	Pharmaceuticals	**4.3**
75	Tripathi G.; Dutta S.; Mishra A.; Basu S.; Gupta V.; Kamaraj C.	Nanomaterials impact in phytohormone signalling networks of plants-A critical review.	Plant Science	**4.2**
76	Sahoo K., Lingasamy P., Khatun M., Sudhakaran S.L., Salumets A., Sundararajan V., Modhukur V.	Artificial Intelligence in cancer epigenomics: a review on advances in pan-cancer detection and precision medicine	Epigenetics and Chromatin	**4.2**

77	Dhar S., Ahmad F., Deshpande A., Rana S.S., Ahmed A T., Priyadarsini S.	3-Dimensional printing and bioprinting in neurological sciences: applications in surgery, imaging, tissue engineering, and pharmacology and therapeutics	Journal of materials science. Materials in medicine	**4.2**
78	Hiruthyaswamy S.P., Bose A., Upadhyay A., Raha T., Bhattacharjee S., Singha I., Ray S., Nicky Macarius N.M., Viswanathan P., Deepankumar K.	Molecular signaling pathways in osteoarthritis and biomaterials for cartilage regeneration: a review	Bioengineered	**4.2**
79	Sridhar N., Manian R.	Advances in biochar production from microalgae: techniques, challenges, and environmental benefits	Clean Technologies and Environmental Policy	**4.2**
80	Vinayagam Y.; Venkatraman G.; Devi Rajeswari V.	Sustainable treatment of glass industry wastewater using biogenic Zinc oxide nanoparticles: Antibacterial and photocatalytic efficacy	International Biodeterioration and Biodegradation	**4.1**
81	Punetha S.; Vuppu S.	Floral waste as a potential feedstock for biopolymer production by a novel strain *Enterococcus gallinarum* VITSS05: characterization and in silico docking studies	Biomass Conversion and Biorefinery	**4.1**
82	Kavya P.; Krishnamurthy S.; Bhave S.; Telugu S.; Gayathri M.	Standardisation, chemical characterisation, and evaluation of antihyperglycemic and antioxidant activity of an edible polyherbal formulation: An in vitro and in silico study	Journal of Molecular Structure	**4**
83	Ramasamy S.S.; Adhigaman K.; Nandakumar V.; Sundarasamy A.; Jagadeesan S.; Saravanakumar M.; Malecki J.G.; Easwaran N.; Thangaraj S.	In-Silico exploration: Unraveling the anti-cancer potential of 8-Nitroquinoline hydrazides	Journal of Molecular Structure	**4**
84	Suresh K.N.; Devi S.C.	Exploring the fibrinolytic potential of marine Actinoalloteichus caeruleus	BMC Microbiology	**4**

		isolated from Bay of Bengal coast		
85	Sundar R.D.V.; Arunachalam S.	2,4-Di-tert-butylphenol from Endophytic Fungi Fusarium oxysporum attenuates the growth of multidrug-resistant pathogens	Frontiers in Microbiology	**4**
86	Pattapulavar V.; Ramanujam S.; Sekaran M.; Chandrasekaran R.; Panchal S.; Christopher J.G.	Biosynthetic Pathway of psi, psi-Carotene from Streptomyces sp. VITGV38 (MCC 4869)	Frontiers in Microbiology	**4**
87	Tomichen S., Panchal S.	The cardamom-Fusarium pathosystem: current knowledge and future directions	World Journal of Microbiology and Biotechnology	**4**
88	Murugan S.; B S.S.S.; Gopinath P.; Saravanan R.; Sundaram S.; Shanmugasundaram G.; Venkatraman G.; Rayala S.K.	Pak1 dysregulates pyruvate metabolism in PDAC cells by exerting a phosphorylation-mediated regulatory effect on PDHA1.	Journal of Biological Chemistry.	**4**
89	Chatterjee D.; Sivashanmugam K.	Immunomodulatory peptides: new therapeutic horizons for emerging and re-emerging infectious diseases.	Frontiers in Microbiology	**4**
90	Shanker M. A.; Rana S.S.	Prospects of cold plasma in enhancing food phenolics: analyzing nutritional potential and process optimization through RSM and AI techniques.	Frontiers in Nutrition	**4**
91	Sharma D.; Arumugam S.	Pharmacophore-based identification and in Silico characterization of microbial metabolites as potential modulators of Wnt signaling pathway in colorectal cancer therapy	Molecular Diversity	**3.9**
92	Sheik Moideen Thaha S.K.; Hasini M.P.; Nair R.R.; Sathish Kumar P.; Jeyajothi K.; Muruganandam L.; Rajasekaran C.; Basavegowda N.	Low-frequency ultrasound-enabled synthesis of Ag/TiO2/g-C3N4 nanocomposites for efficient visible-light-driven photocatalysis	Materials Science and Engineering: B	**3.9**

93	Vijaya Kumaran A.; Sharmila A.; Manoj Hadkar V.; Kumar Sishu N.; Mohanty C.; Roopan S.M.; Immanuel Selvaraj C.	Sustainable production of ZnO/MgO nanocomposite for effective photocatalytic degradation of Rhodamine B and their other properties	Materials Science and Engineering: B	**3.9**
94	Mathpal S.; Joshi T.; Priyamvada P.; Ramaiah S.; Anbarasu A.	Machine learning and cheminformatics-based Identification of lichen-derived compounds targeting mutant PBP4R200L in Staphylococcus aureus	Molecular Diversity	**3.9**
95	Loganathan T.; George Priya Doss C.	Computational molecular insights into ibrutinib as a potent inhibitor of HER2-L755S mutant in breast cancer: gene expression studies, virtual screening, docking, and molecular dynamics analysis	Frontiers in Molecular Biosciences	**3.9**
96	Hadkar V.M.; Selvaraj C.I.	Bio-inspired Ag3PO4-ZnO Nanocomposites: Investigation of its Antioxidant, Anticancer Activity and Photocatalytic Degradation of Methylene Blue Dye	Journal of Inorganic and Organometallic Polymers and Materials	**3.9**
97	Lawrence L.V.; Venkat Kumar S.; Vishnu D.	Emerging trends on biologically synthesized nanofertilizers from microalgal extracts and their enhanced productivity in foliar and soil applications	Energy, Ecology and Environment	**3.9**
98	Priya V.; Sudhakaran R.	A novel approach for DNA extraction of white spot syndrome virus detection in penaeid shrimp	Scientific Reports	**3.8**
99	Chatterjee P.; Banerjee S.	A computational and structural approach to identify malignant non-synonymous FOXM1 single nucleotide polymorphisms in triple-negative breast cancer	Scientific Reports	**3.8**
100	Dutta P.; Chakraborty A.; Amrit R.; Dey P.; Buragohain T.; Osborne W.J.	Biotic remedies for Antibiotic pollution: A Review on Bioremediation Strategies.	Water, Air, and Soil Pollution.	**3.8**
101	Roy A.; Anbarasu A.	Unveiling Berberine analogues as potential inhibitors of *Escherichia coli*	Scientific Reports	**3.8**

		FtsZ through machine learning molecular docking and molecular dynamics approach.		
102	Raali R.; Suresh P.K.	Unraveling Glioblastoma: TME Implication and Gene Therapy Advances.	Current Gene Therapy	**3.8**
103	Dasgupta T.; Manickam V.; Tamizhselvi R.	Benzydamine rescues ethanol-induced teratogenesis in zebrafish FASD model	Scientific Reports	**3.8**
104	Varghese R.; Ramamoorthy S.	Deciphering the effects of bixin on pulmonary alveolar adenocarcinoma migration and proliferation via targeting BAX/BCL-2 and Cyclin D1	Scientific Reports	**3.8**
105	Pearl S.; Anbarasu A.	Genomic landscape of nosocomial Acinetobacter baumannii: A comprehensive analysis of the resistome, virulome, and mobilome	Scientific Reports	**3.8**
106	Bista S.; Syangtan G.; Darlami K.; Chand A.B.; Bista S.; Siddiqui M.A.; Pokhrel L.R.; Dawadi P.; Joshi D.R.	Robotic versus manual disinfection of global priority pathogens at COVID-19-dedicated hospitals	American Journal of Infection Control	**3.8**
107	Sultania A., Brahadeeswaran S., Kolasseri A.E., Jayanthi S., Tamizhselvi R.	Menopause mysteries: the exosome-inflammation connection	Journal of Ovarian Research	**3.8**
108	Wahid M., Mandal R.K., Sikander M., Khan M.R., Haque S., Nagda N., Ahmad F., Rodriguez-Morales A.J.	Safety and Efficacy of Repurposed Smallpox Vaccines Against Mpox: A Critical Review of ACAM2000, JYNNEOS, and LC16	Journal of Epidemiology and Global Health	**3.8**
109	Kumar P.; Saravanan P.; Omer S. N.; Rajeshkannan R.; Kumar S. V.	Enhanced biohydrogen yield through cyanobacterial engineering: a detailed review.	Biomass Conversion and Biorefinery	**3.8**
110	Malik A.; Khan J.M.; Sen P.; Alamri A.; Karan R.; Emerson I A.,	Coomassie Brilliant Blue Induces Coiled-Coil Aggregation in Lysozyme at pH 7.4 by Hydrophobic and Electrostatic Forces	ACS Omega	**3.7**
111	Nagarajan U.; Naha A.; Ashok G.; Balasubramanian A.; Ramaiah S.; V Kanth S.; Dusthackeer A.;	Biomolecular Interaction of Carnosine and Anti-TB Drug: Preparation of Functional Biopeptide-Based Nanocomposites and	ACS Omega	**3.7**

	Anbarasu A.; Natarajan S.	Characterization through In Vitro and In Silico Investigations		
112	John A.S.; Gurumurthy K.	Synthesis and Characterization of CuO Nanoparticles from Bioleached Copper through Modified and Optimized Double Precipitation Method	ACS Omega	**3.7**
113	Panickar A.; Manoharan A.; Ramaiah S.	Single nucleotide polymorphisms and penicillin non-susceptibility among invasive *Streptococcus pneumoniae* from Vietnam and India: Insights from a comparative genomics study	Journal of Global Antimicrobial Resistance	**3.7**
114	Thanigachalam S.; Subramaniyan M.; Salimath S.; Ramasamy S.; Wagh M.; Osborne W.; Gomathinayagam S.; Muthukaliannan G.; Pathak M.	Investigation on Cytotoxicity Against Lung Carcinoma Cell Line at New Metallacyclic Complexes of Titanium(IV) Incorporated With β-Diketone and 4-(1,4,5-Triphenyl-1H-Imidazol-2-Yl) Benzene-1,2-Diol Derivatives	Applied Organometallic Chemistry	**3.7**
115	Krishnan D., Rameshpathy M.	A renewable natural resource for ferulic acid; An efficient precursor in biotechnological production of vanillin and strategies to enhance the yield of bio-vanillin from ferulic acid - Review	Process Biochemistry	**3.7**
116	Das A., Ruhal R.	Potential of plants-based alkaloids, terpenoids and flavonoids as antibacterial agents: An update	Process Biochemistry	**3.7**
117	Kothandam S. V S.; Vijayakumar N.; Alex R. A.; Abraham J.; Maheshwaran S.; Swamiappan S.	Zinc Doped Akermanite: A Promising Biomaterial for Orthopedic Application with Enhanced Bioactivity, Mechanical Strength, and Bacterial Study	ACS omega	**3.7**
118	Thomas R. K.; Balasundaram A.; Fathima G.; Sankar S.; Ramamoorthy M.; Saravanan N.; Srikanth P.	Identification and Validation of B-Cell Epitopes on the VP1 Protein of Parvovirus B19 through Molecular Docking and Dynamics Simulation.	ACS omega	**3.7**
119	Sarkar G.; Prem Anand K.; Jayasri M.A.; Suthindhiran K.	Process optimization and extraction of alkaline protease from halotolerant	Journal of Genetic Engineering and Biotechnology	**3.6**

		Streptomyces sp. VITGS3 and its use as a contact lens cleaner		
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229	Alex R.A.; Abraham J.	Mycoremediation of Sulfamethoxazole and metabolic pathway by Aspergillus tubingensis strain	Biotechnology Letters	**2**
230	Bhattacharya B.; Bhattacharya S.; Khatun S.; Bhaktham N.A.; Maneesha M.; Subathra Devi C.	Wasp Venom: Future Breakthrough in Production of Antimicrobial Peptides	Protein Journal	**1.9**
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234	Vinutha A.S.; Rajasekaran R.	Breaking barriers in peptide therapeutics: hydrocarbon stapling of Temporin-FL peptide for improved bacterial membrane disruption	Molecular Simulation	**1.9**
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241	Vijiyakumar N.; Prince S.E.	A comprehensive review of cadmium-induced toxicity, signalling pathways, and potential mitigation strategies	Toxicology and Environmental Health Sciences	**1.6**
242	Raj A.; Chakravorty A.; Luktuke S.; Santra S.; Das S.; Sahoo S.; Ramesh K.; Nidha Fathima A; Sana S.S.; Jayanthi S.; Samanta A.; Raghavan V.	Anti-inflammatory potential of *Costus speciosus* rhizome bioactive phytochemicals: A combined GC-MS and computational approach targeting TLR-4 signaling	Current Computer-Aided Drug Design	**1.5**
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246	Thilagam N.B.S., Karthik V.P., Gnanasambandan R., Sowmya C.	A Comprehensive Review on Current Knowledge and Future Potential of Topical Therapies in Breast Cancer Treatment	European Journal of Breast Health	**1.3**
247	Dhanasekaran A.; Tiwari K.; Bhange A.; Ghosh S.S.; Krishnan K.	Biodegradation of expanded polystyrene using *Pseudomonas aeruginosa* VITARK5	Detritus	**1.2**
248	Sundarasamy A.; Kumarasamy C.P.; Ramasamy S.S.; Muthukaliannan G.K.; Thangaraj S.	Phytochemical Investigations and β-Glucosidase Inhibitory Activity of Adenanthera Pavonina Seeds	Journal of Herbs, Spices and Medicinal Plants	**1.2**
249	John A.S.; Gurumurthy K.	Optimization of Copper Recovery from WEEE by Bio-Metallurgical Process	Detritus	**1.2**
250	Sebastian P.M.; Sanjana G.; Mundrikeri D.; Rao K.V.B.	Optimization and Purification of Protease Produced by Rossellomorea aquimaris Isolated from Marine Sediments and Exploring Their Diverse Biological Applications	Applied Biochemistry and Microbiology	**1**
251	Chatterjee D.; Sivashanmugam K.	Unraveling the Complex Antimicrobial Resistance Gene Network of Pseudomonas aeruginosa using Systems Biology Approach	Journal of Pure and Applied Microbiology	**0.7**
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