

**SBST- Journal Publication details - Jan 2024-Oct 2024**

<b>S. No.</b>	<b>Author (s)</b>	<b>TR Impact Factor</b>
1	Chavda, V.P., Vuppu, S., Balar, P.C., Mishra, T., Bezbaruah, R., Teli, D., Sharma, N., Alom, S. Propolis in the management of cardiovascular disease. International Journal of Biological Macromolecules, 2024, 266, 131219	8.2
2	Dhanushkumar T., Selvam P.K., M E S., Vasudevan K., C G.P.D., Zayed H., Kamaraj B. Rational design of a multivalent vaccine targeting arthropod-borne viruses using reverse vaccinology strategies. International Journal of Biological Macromolecules	8.2
3	Chavda, V.P., Vuppu, S., Mishra, T., Kamaraj, S., Sharma, N., Punetha, S., Sairam, A., Vaghela, D., Dargahi, N., Apostolopoulos, V. Combatting infectious diarrhea: innovations in treatment and vaccination strategies. Expert Review of Vaccines, 2024, 23(1), pp. 246–265	6.2
4	Haripriyaa M., Suthindhiran K. Investigation of pharmacokinetics and immunogenicity of magnetosomes. Artificial Cells, Nanomedicine and Biotechnology	5.8
5	Muniasamy R., Manjubala I. Elucidating anti-sclerostin mechanism of baicalein using LRP6-Sclerostin complex of canonical Wnt/ $\beta$ -catenin signaling pathway. Journal of Biomolecular Structure and Dynamics	4.4
6	Manasa R.L., Mehta A. Study of bacterial population dynamics in seed culture developed for ammonia reduction from synthetic wastewater. World Journal of Microbiology and Biotechnology	4.1
7	Ashok N., Saraswathy R. Association of polymorphisms of vitamin D gene in children with asthma and allergic rhinitis – Hospital based study. Heliyon	4
8	Banerjee M., Rajeswari V.D. Green synthesis of selenium nanoparticles using leaf extract of Moringa oleifera, their biological applications, and effects on the growth of Phaseolus vulgaris:- Agricultural synthetic biotechnology for sustainable nutrition. Biocatalysis and Agricultural Biotechnology	4

9	Govindasamy C., Al-Numair K.S., Alsaif M.A., Gopalakrishnan A.V., Ganesan R. Assessment of metabolic responses following silica nanoparticles in zebrafish models using <sup>1</sup> H NMR analysis. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology	3.9
10	Nahas L.D., Datta A., Alsamman A.M., Adly M.H., Al-Dewik N., Sekaran K., Sasikumar K., Verma K., Doss G.P.C., Zayed H. Genomic insights and advanced machine learning: characterizing autism spectrum disorder biomarkers and genetic interactions. Metabolic Brain Disease	3.6
11	Shanbagh S., Gadde S.G., Shetty R., Heymans S., Abilash V.G., Chaurasia S.S., Ghosh A. Hyperglycemia-induced miR182-5p drives glycolytic and angiogenic response in Proliferative Diabetic Retinopathy and RPE cells via depleting FoxO1. Experimental Eye Research	3.4
12	Hephzibah Cathryn R., George Priya Doss C. Comparative molecular dynamics simulation of apo and holo forms of the P53 mutant C176F: a structural perspective. Journal of Taibah University for Science	3.3
13	Eledath Kolasseri A., Eledath Kolasseri A., Sivaraman J., Ramasamy T. Assessment of factors related to poly cystic ovarian syndrome—A comparative and correlational study. Journal of Psychosomatic Obstetrics and Gynecology	3.1
14	Jose A.M., Samarpita S., Panchal N.K., Sabina E.P., Rasool M. Selective blockade of IL-21 by myricetin impedes T follicular helper cell differentiation by negatively regulating the JAK/STAT/Bcl-6 pathway in a rheumatoid arthritis animal model. 3 Biotech	2.8
15	Antony A., Veerappapillai S., Karuppasamy R. In-silico bioprospecting of secondary metabolites from endophytic Streptomyces spp. against Magnaporthe oryzae, a cereal killer fungus. 3 Biotech	2.8
16	Ashok G., Soundararajan A., Anbarasu A., Ramaiah S. Elucidating the molecular role of MUC5B in progressive lung adenocarcinoma: Prospects for early diagnosis. Journal of Molecular Recognition	2.7

17	Sekar M., Thirumurugan K. Autophagic Regulation of Adipogenesis Through TP53INP2: Insights from In Silico and In Vitro Analysis. Molecular Biotechnology	2.6
18	Devaraj A., Mahalingam G. Green synthesis of Au Nps using Hemidesmus indicus root extract (Hire) and investigating its potential biomedical efficacies. Chemical Papers	2.2
19	Manochkumar J., Ramamoorthy S. Artificial intelligence in the 21st century: the treasure hunt for systematic mining of natural products. Current Science	1
20	Pai A.A., Mohanan E., Panetta J.C., Kulkarni U.P. Treosulfan Exposure Predicts Thalassaemia- Free Survival in Patients with Beta. Clinical Pharmacology and Therapeutic	6.7
21	Balakrishnan A., Govindaraj S., Dhaipule N.G.K., Thirumalaisamy N., Anne R.S., Sublime N., Philip J. Enhancing microbiologically influenced corrosion protection of carbon steels with silanized epoxy-biocide hybrid coatings. Environmental Science and Pollution Research	5.8
22	Kag S., Kumar P., Kataria R. Acid hydrolysis of Solanum tuberosum periderm for accumulation of polyhydroxyalkanoates in Pseudomonas putida MTCC 2475. Frontiers in Bioengineering and Biotechnology	5.7
23	Omer S.N., Shanmugam V. Exploring tannery effluent bacteria for bioremediation and plant growth production: Isolating and characterizing bacterial strain for environmental clean-up. Journal of the Taiwan Institute of Chemical Engineers	5.7
24	Saravanan R., Balasubramanian V., Sundaram S., Dev B., Vittalraj P., Pitani R.S., Expression of cell surface zinc transporter LIV1 in triple negative breast cancer is an indicator of poor prognosis and therapy failure. Journal of Cellular Physiology	5.6
25	Mahaboob Ali A.A., Vishal A., Nelson E.J.R. Targeting host- virus interactions: in silico analysis of the binding of human milk oligosaccharides to viral proteins involved in respiratory infections. Scientific Reports	4.6
26	Pravallika G., Rajasekaran R. Stage II oesophageal carcinoma: peril in disguise associated with cellular reprogramming and oncogenesis regulated by pseudogenes. BMC Genomics	4.4

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28	Choudhury A.A., Arumugam M., Ponnusamy N., Sivaraman D., Sertsemariam W., Anti-diabetic drug discovery using the bioactive compounds of <i>Momordica</i> . <i>Journal of Biomolecular Structure and Dynamics</i>	4.4
29	Kumar H., Manoharan A., Anbarasu A., Ramaiah S. Computational study of the piperidine and FtsZ interaction in <i>Salmonella Typhi</i> : implications for disrupting cell division machinery. <i>Journal of Biomolecular Structure and Dynamics</i>	4.4
30	John P., Sudandiradoss C. A comprehensive integrated gene network construction to explore the essential role of Notch 1 in lung adenocarcinoma (LUAD). <i>Journal of Biomolecular Structure and Dynamics</i>	4.4
31	Roy N., Krishnan K. Multifunctional ZnO/Fc-rGO nanocomposite for enhanced adsorption and photocatalytic performance promoting acid violet 7-dye removal. <i>Materials Science in Semiconductor Processing</i>	4.1
32	Mann S., Sharma J.G., Kataria R. Optimization of acidic pre-treatment conditions using response surface methodology for ethanol production from <i>Pistia stratiotes</i> using <i>Saccharomyces cerevisiae</i> and <i>Pichia stipitis</i> . <i>Biomass Conversion and Biorefinery</i>	4
33	Warghane A., Saini R., Shri M., Andankar I., Ghosh D.K., Chopade B.A. Application of nanoparticles for management of plant viral pathogen: Current status and future prospects. <i>Virology</i>	3.7

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35	Verma A., Patel R., Mahale A., Thorat R.V., Rath S.L., Sridhar E., Moiyadi A., Srivastava S. Multitarget Potential Drug Candidates for High-Grade Gliomas Identified by Multiple Reaction Monitoring Coupled with In Silico Drug Repurposing. <i>OMICS A Journal of Integrative Biology</i>	3.3
36	Khan M., Perwez S.K., Gaddam R.P., Aiswarya R., Basha M.A., Malas A., Haque S., Ahmad F. Mind Matters: Exploring the Intersection of Psychological Factors and Cognitive Abilities of University Students by Using ANN Model. <i>Neuropsychiatric Disease and Treatment</i>	3.2
37	Shende A., Chidambaram R. Microwave-assisted synthesis, characterization, and application of tragacanth gum grafted copolymer as bioflocculant for the treatment of textile wastewater using coagulation-flocculation technique: Swelling behavior and biodegradation studies. <i>Journal of Applied Polymer Science</i>	3
38	Katturajan R., Shivaji P., Nithiyanandam S., Parthasarathy M., Magesh S., Vashishth R., Radhakrishnan V., Prince S.E. Antioxidant and Antidiabetic Potential of <i>Ormocarpum cochinchinense</i> (Lour.) Merr. Leaf: An Integrated In vitro and In silico Approach. <i>Chemistry and Biodiversity</i>	2.9
39	Padmapriya D., Shanthi C. Hydrolysates with emulsifying properties prepared from protein wastes using microbial protease. <i>Food Science and Biotechnology</i>	2.9

40	Venugopal D.C., Viswanathan P., Ravindran S., Punnoose A.M., Yasasve M., Dicky John D.G., Prabhakar L., Ramanathan G., Sankarapandian S., Ramshankar V. Antifibrotic effect of silymarin on arecoline- induced fibrosis in primary human buccal fibroblasts: an in silico and in vitro analysis. Molecular Biology Reports	2.8
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43	Riyamol, Jeevitha G.C. Microwave and ultrasound-assisted natural deep eutectic solvents-based extraction of pectin from onion peel wastes. CYTA - Journal of Food	2.1
44	Geethika E., Ravikanth G., Siva R. Impacts of climate change on the distribution of <i>Phyllanthus emblica</i> Linn across Southeast Asia: identifying critical variables that determine the distribution of a medicinally important tree. Tropical Ecology	1.6
45	Raghavan S., Jayaraman G. Inhibition of <i>Bungarus caeruleus</i> snake venom toxicity by <i>Citrus reticulata</i> methanolic extract and in-silico analysis of possible binding modes. Indian Journal of Traditional Knowledge	0.8
46	Parthasarathy M., Seenivasan V., Nithiyanandam S., Katturajan R., Bhasakarmurthy D.H., Ganesan R., Gopalakrishnan A.V., Ahmad S.F., Prince S.E. Protective Effect of Green Chiretta ( <i>Andrographis paniculata</i> ) against Methotrexate-induced Cardio and Spleen Toxicity: In-vitro and In-vivo. Natural Products Journal	0.8

47	Sarkar A., Philip A.M., Thakker D.P., Bhaskara Rao K.V. Extraction and Characterization of Beta- glucan Methyl Esters Derived From UV- mutated Marine Yeast and their Applications in Cosmetics. Thalassas	0.7
48	Garg K., Kumar A., Kizhakkethil V., Kumar P., Singh S. Overlap in oncogenic and pro-inflammatory pathways associated with areca nut and nicotine exposure. Cancer Pathogenesis and Therapy	-
49	Rajendiran V., Devaraju N., Haddad M., Ravi N.S., Panigrahi L., Paul J., Gopalakrishnan C., Wyman S., Ariudainambi K., Mahalingam G., Periyasami Y., Prasad K., George A., Sukumaran D., Gopinathan S., Pai A.A., Nakamura Y., Balasubramanian P., Ramalingam R., Thangavel S., Base editing of key residues in the BCL11A- XL-specific zinc finger domains derepresses fetal globin expression .Molecular Therapy	12.4
50	Bharathi D., Lee J., Vinayagam Y., Banerjee M., Ramanathan G., Al-Ansari M.M., Venkatraman G., V D.R. Benzopyrene elimination from the environment using graphitic carbon nitride- SnS nanocomposites. Chemosphere	8.8
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53	Naidu A., Lulu S S. Systems and computational analysis of gene expression datasets reveals GRB-2 suppression as an acute immunomodulatory response against enteric infections in endemic settings. Frontiers in Immunology	7.3

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55	Raghuraman P., Ramireddy S., Raman G., Park S., Sudandiradoss C. Understanding a point mutation signature D54K in the caspase activation recruitment domain of NOD1 capitulating concerted immunity via atomistic simulation. Journal of Biomolecular Structure and Dynamics	4.4
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57	Shobana N., Prakash P., Samrot A.V., Saigeetha S., Dhiva S., Thirumurugan A., Rajalakshmi D., Renitta R.E., Abirami S. Natural biopolymer mediated green synthesis of silver nanoparticles and its applications in environmental remediation. Biomass Conversion and Biorefinery	4
58	Ahmad F., Singh V., Raza A., Mathkor D.M., Haque S., Tawil S., Rodriguez-Morales A.J. Spike in superbug fungus Candida auris cases: A lethal risk to fragile hospital patients – are we ready to tackle this emerging menace? New Microbes and New Infections	4
59	Vellore Mohan A., Kuttykattil A., Toshiaki I., Sudhakaran R. Assessment of microplastic contamination in commercially available fishes. Marine Environmental Research	3.3
60	Murali P., Karuppasamy R. Exploring the potential of nutraceutical to combat gliomas: focus on mIDH2 protein. Frontiers in Physics	3.1
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62	Paranthaman P., Veerappapillai S. Tackling suppressive cancer microenvironment by NARF-derived immune modulatory vaccine and its validation using	3
63	Chaitanyakumar A., Somu P., Srinivasan R. Expression and Immobilization of Tannase for Tannery Effluent Treatment from <i>Lactobacillus plantarum</i> and <i>Staphylococcus lugdunensis</i> : A Comparative Study. <i>Applied Biochemistry and Biotechnology</i>	3
64	Panchal N.K., Samdani P., Sengupta T., Prince S.E. Computational Analysis of Non-synonymous SNPs in ATM Kinase: Structural Insights, Functional Implications, and Inhibitor Discovery. <i>Molecular Biotechnology</i>	2.6
65	Saravanan R., Venugopal S. Positive Effects of Exogenous Application of Nitric Oxide on Lipid Composition in <i>Sesbania grandiflora</i> (L.) Pers. under Elevated Conditions of Chromium and EDTA. <i>ACS Agricultural Science and Technology</i>	2.5
66	Veerappapillai S. Transcriptome profiling and metabolic pathway analysis towards reliable biomarker discovery in early-stage lung cancer. <i>Journal of Applied Genetics</i>	2.4
67	Italiya G., Dongaonkar A., Jayakumar N., Subramanian S. Sono-assisted adsorption of nitrate by Fe- modified chitosan–zeolite composite material. <i>Journal of Dispersion Science and Technology</i>	2.2
68	Dasgupta T., Manickam V. Benzydamine hydrochloride ameliorates ethanol-induced inflammation in RAW 264.7 macrophages by stabilizing redox homeostasis. <i>Asian Pacific Journal of Tropical Biomedicine</i>	1.7
69	Shankar S., Srinivasan C., Sathiavelu M. Anti-diabetic activity of <i>Calathea anulque</i> . <i>Bangladesh Journal of Pharmacology</i>	1.6
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73	Wadaan M.A., Baabbad A., Chakraborty S., V D.R. Interpretation of adsorption isotherm and kinetics behind fluorene degradation. Chemosphere	8.8
74	Chakraborty S., Sharma G., Karmakar S., Banerjee S. Multi- OMICS approaches in cancer biology: New era in cancer therapy. Biochimica et Biophysica Acta - Molecular Basis of Disease	6.2
75	Loganathan A., Bozdogan B., Manohar P., Nachimuthu R. Phage-antibiotic combinations in various treatment modalities to manage MRSA infections. Frontiers in Pharmacology	5.6
76	Manohar P., Loh B., Turner D., Tamizhselvi R., Mathankumar M., Elangovan N., Nachimuthu R., Leptihn S. In vitro and in vivo evaluation of the biofilm-degrading Pseudomonas phage Motto, as a candidate for phage therapy. Frontiers in Microbiology	5.2
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78	Kamaraj S., Suresh T., Vuppu S. A sustainable approach for degrading Vellore Nattu kozhi feather waste, analytical amino acid profiling and its computational studies. Clean Technologies and Environmental Policy	4.3
79	Balasundaram A., C Doss G.P. Deciphering the Impact of Rare Missense Variants in EGFR-TKI-Resistant Non-Small- Cell Lung Cancer through Whole Exome Sequencing: A Computational Approach. ACS Omega	4.1

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81	Pootheri A., Lopez W.M., Saraswathy R. A case-control study on asthma and obese patients: Influence of lifestyle patterns, serum trace elements, heavy metals, and total antioxidants. Heliyon	4
82	Benny A.T., Thamim M., Srivastava P., Suresh S., Thirumoorthy K., Rangasamy L., Karthikeyan S., Easwaran N., Radhakrishnan E.K. Synthesis and study of antibiofilm and antivirulence properties of flavonol analogues generated by palladium catalyzed ligand free Suzuki-Miyaura coupling against Pseudomonas aeruginosa PAO1. RSC Advances	3.9
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85	Naidu A., Garg V., Balakrishnan D., C.R V., Sundararajan V., Lulu S S. Systems and Computational Screening identifies SRC and NKIRAS2 as Baseline Correlates of Risk (CoR) for Live Attenuated Oral Typhoid Vaccine (TY21a) associated Protection. Molecular Immunology	3.6
86	Chandy S., Kumar H., Pearl S., Basu S., M G., Sankar J., Manoharan A., Ramaiah S., Anbarasu A. Whole genome analysis reveals unique traits of SARS-CoV-2 in pediatric patients. Gene	3.5

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93	Vishnu D., Dhandapani B., Vijayasimhan S., Rajendran A., Mukunthan M., Pandiyan M., Shankar A., Senthilkumar K. Removal of Metal Ions from Wastewater Using Co- integrated Superparamagnetic Nanoparticles. <i>Chemical Engineering and Technology</i>	2.1
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100	Singh P., Jayaraman G. Inhibition of the Naja naja venom toxicity by polymeric nanoparticles loaded with Leucas aspera methanolic extract. <i>Frontiers in Pharmacology</i>	5.6
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103	Mohan N., Pal A., Saharan V., Kumar A., Vashishth R., Prince S.E. Development, characterization, and evaluation of Zn-SA-chitosan bionanoconjugates on wheat seed, experiencing chilling stress during germination. Heliyon	4
104	Palanivelan R., Ramya S., Aradhana S., Ayyasamy P.M., Sabour A.A.A., Muthusamy R., Narayanan M. Bioprospective decolourization of reactive azo dyes at pilot scale by a developed bacterial consortium using the RSM and CCD model. Biomass Conversion and Biorefinery	4
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106	Loganathan T., Fletcher J., Abraham P., kannangai R., Chakraborty C., El Allali A., Alsamman A.M., Zayed H., C G.P.D. Expression analysis and mapping of Viral— Host Protein interactions of Poxviridae suggests a lead candidate molecule targeting Mpox. BMC Infectious Diseases	3.7
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109	Banerjee S., Sarkar A., Rao K.V.B. Extraction and characterization of carotenoid pigments with antioxidant and antibacterial potential from marine yeast Rhodotorula sp. KSB1. International Microbiology	3.1
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