

SBST- Journal Publication details - Jan 2024-Jun 2024

S. No.	Author (s)	TR Impact Factor
1	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
2	Haripriyaa M., Suthindhiran K. Investigation of pharmacokinetics and immunogenicity of magnetosomes. Artificial Cells, Nanomedicine and Biotechnology	5.8
3	Muniasamy R., Manjubala I. Elucidating anti-sclerostin mechanism of baicalein using LRP6-Sclerostin complex of canonical Wnt/ β -catenin signaling pathway. Journal of Biomolecular Structure and Dynamics	4.4
4	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
5	Ashok N., Saraswathy R. Association of polymorphisms of vitamin D gene in children with asthma and allergic rhinitis – Hospital based study. Heliyon	4
6	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
7	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 ¹ H NMR analysis. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology	3.9
8	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

9	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. <i>Experimental Eye Research</i>	3.4
10	Hephzibah Cathryn R., George Priya Doss C. Comparative molecular dynamics simulation of apo and holo forms of the P53 mutant C176F: a structural perspective. <i>Journal of Taibah University for Science</i>	3.3
11	Eledath Kolasseri A., Eledath Kolasseri A., Sivaraman J., Ramasamy T. Assessment of factors related to poly cystic ovarian syndrome—A comparative and correlational study. <i>Journal of Psychosomatic Obstetrics and Gynecology</i>	3.1
12	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. <i>3 Biotech</i>	2.8
13	Antony A., Veerappapillai S., Karuppasamy R. In-silico bioprospecting of secondary metabolites from endophytic <i>Streptomyces</i> spp. against <i>Magnaporthe oryzae</i> , a cereal killer fungus. <i>3 Biotech</i>	2.8
14	Ashok G., Soundararajan A., Anbarasu A., Ramaiah S. Elucidating the molecular role of MUC5B in progressive lung adenocarcinoma: Prospects for early diagnosis. <i>Journal of Molecular Recognition</i>	2.7
15	Sekar M., Thirumurugan K. Autophagic Regulation of Adipogenesis Through TP53INP2: Insights from In Silico and In Vitro Analysis. <i>Molecular Biotechnology</i>	2.6
16	Devaraj A., Mahalingam G. Green synthesis of Au Nps using <i>Hemidesmus indicus</i> root extract (Hire) and investigating its potential biomedical efficacies. <i>Chemical Papers</i>	2.2
17	Manochkumar J., Ramamoorthy S. Artificial intelligence in the 21st century: the treasure hunt for systematic mining of natural products. <i>Current Science</i>	1
18	Pai A.A., Mohanan E., Panetta J.C., Kulkarni U.P. Treosulfan Exposure Predicts Thalassaemia- Free Survival in Patients with Beta. <i>Clinical Pharmacology and Therapeutic</i>	6.7

19	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
20	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
21	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
22	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
23	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
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25	Ravi L., Ajith Kumar K., Shree Kumari G.R., Mathew J., Harshitha S., Panda M., Shivani S., Paul A., Chandana T.S., Anil A., Megha J.K., Mukherjee T., Bhattacharjee S., Raveendran Nair M., Subhanjan V., Mohanasrinivasan V., Jain P. Behenic Acid as a multi-target inhibiting antibacterial phytochemical against Vibrio parahaemolyticus and Aeromonas hydrophila for effective management of aquaculture infections: an in-silico, in-vitro & in-vivo experimentation. Journal of Biomolecular Structure and Dynamics	4.4
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28	John P., Sudandiradoss C. A comprehensive integrated gene network construction to explore the essential role of Notch 1 in lung adenocarcinoma (LUAD). Journal of Biomolecular Structure and Dynamics	4.4
29	Roy N., Krishnan K. Multifunctional ZnO/Fc-rGO nanocomposite for enhanced adsorption and photocatalytic performance promoting acid violet 7-dye removal. Materials Science in Semiconductor Processing	4.1
30	Mann S., Sharma J.G., Kataria R. Optimization of acidic pre-treatment conditions using response surface methodology for ethanol production from Pistia stratiotes using Saccharomyces cerevisiae and Pichia stipitis. Biomass Conversion and Biorefinery	4
31	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. Virology	3.7
32	Vijayakumar S, Swetha RG, Bakthavatchalam YD, Vasudevan K, Abirami Shankar B, Kirubananthan A, Walia K, Ramaiah S, Biswas I, Veeraraghavan B, Anbarasu A. Genomic investigation unveils colistin resistance mechanism in carbapenem resistant Acinetobacter baumannii clinical isolates. Microbiology Spectrum	3.7
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34	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. Neuropsychiatric Disease and Treatment	3.2

35	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. Journal of Applied Polymer Science	3
36	Katturajan R., Shivaji P., Nithyanandam 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. Chemistry and Biodiversity	2.9
37	Padmapriya D., Shanthi C. Hydrolysates with emulsifying properties prepared from protein wastes using microbial protease. Food Science and Biotechnology	2.9
38	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
39	Isanapong J., Suwannoi K., Lertlattanapong S., Panchal S. Purification, characterization of laccase from <i>Pleurotus ostreatus</i> HK35, and optimization for congo red biodecolorization using Box– Behnken design. 3 Biotech	2.8
40	Karthika S., Sivasubramanian K., Dhevagi P., Thavamani P., Rajkishore S.K., Amrutha V.M., Sudhakaran R., Chitra N., Lakshmanan A. Distribution pattern and risk assessment of microplastics contamination in different agricultural systems	2.6
41	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
42	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

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45	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
46	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	-
47	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
48	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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51	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. <i>Frontiers in Immunology</i>	7.3
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55	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. <i>Biomass Conversion and Biorefinery</i>	4
56	Ahmad F., Singh V., Raza A., Mathkor D.M., Haque S., Tawil S., Rodriguez-Morales A.J. Spike in superbug fungus <i>Candida auris</i> cases: A lethal risk to fragile hospital patients – are we ready to tackle this emerging menace? <i>New Microbes and New Infections</i>	4
57	Vellore Mohan A., Kuttykattil A., Toshiaki I., Sudhakaran R. Assessment of microplastic contamination in commercially available fishes. <i>Marine Environmental Research</i>	3.3
58	Murali P., Karuppasamy R. Exploring the potential of nutraceutical to combat gliomas: focus on mIDH2 protein. <i>Frontiers in Physics</i>	3.1
59	Paranthaman P., Veerappapillai S. Tackling suppressive cancer microenvironment by NARF-derived immune modulatory vaccine and its validation using simulation strategies. <i>Frontiers in Physics</i>	3.1

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61	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
62	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
63	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
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67	Shankar S., Srinivasan C., Sathiavelu M. Anti-diabetic activity of <i>Calathea anulque</i> . <i>Bangladesh Journal of Pharmacology</i>	1.6
68	Lal N., Gopinathan A. Revisiting the phylogenetic status of a field crab (Decapoda, Brachyura) from Chelari, Malappuram district (Kerala, India): An integrative approach through morphological. and molecular taxonomy. <i>Crustaceana</i>	0.6
69	Bhattacharya S., Paul J., Haldar S., Pal K. Residue-specific orientation of arrestin in 5- HTR1B (Serotonin Receptor)- β Arrestin-1 interaction. <i>Journal of Experimental Biology and Agricultural Sciences</i>	-

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71	Wadaan M.A., Baabbad A., Chakraborty S., V D.R. Interpretation of adsorption isotherm and kinetics behind fluorene degradation. Chemosphere	8.8
72	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
73	Loganathan A., Bozdogan B., Manohar P., Nachimuthu R. Phage-antibiotic combinations in various treatment modalities to manage MRSA infections. Frontiers in Pharmacology	5.6
74	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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77	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
78	Guruprasad M., Gada Chengaiyan J., Ahmad F., Haque S., Capanoglu E., Rajoriya D. Effect of Microwave-Based Dry Blanching on Drying of Potato Slices: A Comparative Study. ACS Omega	4.1
79	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

80	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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84	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
85	Jebanesan D.Z.P., Illangeswaran R.S.S., Rajamani B.M., Vidhyadharan R.T., Das S., Bijukumar N.K., Balakrishnan B., Mathews V., Velayudhan S.R., Balasubramanian P. Inhibition of NRF2 signaling overcomes acquired resistance to arsenic trioxide in FLT3-mutated Acute Myeloid Leukemia. Annals of Hematology	3.5
86	Kavitha K., Mohanapriya A. Insights into the structure-function relationship of missense mutations in the human TOP2A protein in ovarian cancer. Frontiers in Physics	3.1
87	Mittal A., Garg S., Bajpai S. Grafted barley husk/poly (vinyl alcohol)/starch composite films: effect of fatty acid chain length and grafted barley husk loading. Iranian Polymer Journal (English Edition)	3.1

88	Kavya P., Gayathri M. Phytochemical Profiling and Assessment of Antidiabetic Activity of Curcuma Angustifolia Rhizome Methanolic Extract: an In Vitro and In Silico Analysis. Chemistry and Biodiversity	2.9
89	Latha Laxmi I.P., Job A.T., Manickam V., Tamizhselvi R. Intertwined relationship of dynamin-related protein 1, mitochondrial metabolism and circadian rhythm. Molecular Biology Reports	2.8
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101	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
102	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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105	Stany B., Mishra S., Rao K.V.B. Pharmacokinetic studies, molecular docking, and molecular dynamics simulations of phytochemicals from Morus alba: a multi receptor approach for potential therapeutic agents in colorectal cancer. Medical Oncology	3.4
106	Singh H., Singh M., Nag S., Mohanto S., Jain K., Shrivastav A., Mishra A.K., Pallavi J., Bhunia A., Subramaniyan V., Kumar A., Mishra A. Isolation and characterization of secondary metabolites from Bryophyllum pinnatum (Lam.) Oken and assessment of wound healing efficacy using animal model. South African Journal of Botany	3.1
107	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
108	Krishnasamy M., Arumugam P., Jayanthi T.S., Choudhary S., Rojviroon T., Matheswaran P., Handayani M., Periyasami G., Diravidamani B., Rajendran R. Engineered g-C ₃ N ₄ /MnO ₂ Nanocomposite for Exceptional Photocatalytic Methylene Blue Degradation and Robust Antibacterial Impact. Journal of Cluster Science	2.8
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