

2025

1. Mohana Priya E., Geetha S., Rajeswari S., Jennet Debora., Vijayalakshmi V., Gracy Angel K., Brindha R*. (2025). Identifying the major research trends in Algae Polysaccharides: A scientometric analysis from 1989 to 2023. *Biologia*. Under Press

2024

1. CP Sri Snehaa., Praveen Kumar Issac., P. Rajaguru., V. Pugalenth. (2024). Pharmacokinetic predictions of ROS-mediated targets and genotoxin combinations via multiple ligand simultaneous docking and ROS evaluation in vitro using HepG2 cell lines, *3 Biotech*, Vol.14, Article No: 266, pp.1-17
2. S Sudharsh., Rashmi Gondi., S Insuvai., Chitralli Laha Roy., Yukesh Kannah., M Gunasekaran., V. Pugalenth., Meganathan Kannan., Rajesh Banu J. (2024). Microwave facilitated bacterial liquefaction of sago biomass for efficient biomethane production: Energy and cost assessment, Process Safety and Environmental Protection, Vol.189, pp 1333-1341.
3. Yogeswaran Jagadeesan., Shanmugapriya Meenakshisundaram., Suthakaran Pichaimuthu., Anandaraj Balaiah (March 2024). A scientific version of understanding “Why did the chickens cross the road”? –A guided journey through *Bacillus* spp. towards sustainable agriculture, circular economy and biofortification. *Environmental Research*, Volume 244: 117907. doi.org/10.1016/j.envres.2023.117907.
4. Yeswanth Ranganathan., Pritam Ramesh Kumar., Sudhakar Gandhi Paramasivam., Ravi Shankar Krishnan. (2024). A Review of Connecting Bioinformatic Techniques to Rheumatoid Arthritis and its Associated Comorbidities. *Current Rheumatology Reviews*.
5. Yeswanth R., Saayaa N., Ravi Shankar K., Yuvaraj D., Vijayalakshmi V., Lenita S., Brindha R*. (2024). Understanding integrative approach of translational bioinformatics on cardiovascular disease: Myocardial Ischemia. *Egyptian Journal of Medical Human Genetics*, 25:153. DOI: 10.1186/s43042-024-00622-2.
6. Jennet Debora, J., Vijayalakshmi, V., Rajaguru, P., Rajeswari, S. and Brindha, R*. (2024). Antibiotic Resistance Genes—An Emerging Genetic Pollutant of LFL. *Water Air Soil Pollute*, 235(348), p.348. DOI: <https://doi.org/10.1007/s11270-024-07172-8>.
7. Yeswanth Ranganathan., Saayaa Nazar., Ravi Shankar Krishnan., Yuvaraj Dinakarkumar., Vijayalakshmi Varadarajan., Lenita Sebastian., Brindha Rethinam. (2024) “A review paper on Understanding integrative approach of translational bioinformatics on cardiovascular disease: Myocardial Ischemia” *Egyptian Journal of Medical Human Genetics*.25:153.
8. Yeswanth R., Pritam R A., Sudhakar Gandhi P S., Ravi Shankar K. (2024) “A Review of Connecting Bioinformatic Techniques to Rheumatoid Arthritis and its Associated Comorbidities” *Current Rheumatology reviews*.

9. Sowmiya K., Ravi Shankar K., Renganathan S., Tamil Elakkiya V., Vijay Pradhap Singh M. (2024) "Environmentally sustainable production of cellulose based super absorbing hydrogel from *Bacillus velezensis*" International journal of research and analytical reviews (IJRAR), Vol 11(2).
10. Rajakumari k., Rajamehala M., Vijay Pradhap Singh K., Ravi Shankar K., Yazhini G., Ivo Romauld S., Meenambiga S., Vivek P. (2024) "Characterization of prepared cefixime and metronidazole with chitosan nanoparticle for pharmaceutical application" Oxidation Communications., Vol 47(1), pp 35 – 47.
11. Vijay Pradhap Singh M., Ravi Shankar K. (2024) "Next-generation hybrid technologies for the treatment of pharmaceutical industry effluents" Journal of Environmental management, 353.

2023

1. Meenakshi R Venkateswaran., Shanmugam Hemaiswary., Sasidharan Jayabal., Thamizharasi Erusappan., Achiraman Shanmugam., Mukesh Doble., Sureshkumar Periyasamy. (2023). Bioactive compounds rich Mehani formulation ameliorates diabetes and associated inflammatory condition - In vitro and in vivo studies South African Journal of Botany.
2. Brindha, K., Mohanraj, S., Rajaguru, P., Pugalenti, V. (2023). Simultaneous production of renewable biohydrogen, biobutanol and biopolymer from phyto-genic CoNPs-assisted Clostridial fermentation for sustainable energy and environment. Science of The Total Environment, Vol. 859, Part 1, 160002.
3. Maheshwari, A.S. (2023). Water management structure of the ancient Tamils. Shanlax International Journal of Tamil Research, 8(2), 89–95.
4. Yogeswaran Jagadeesan., Shanmugapriya Meenakshisundaram., Keerthi Raja., Anandaraj Balaiah. (2023). Sustainable and efficient-recycling approach of chicken feather waste into liquid protein hydrolysate with biostimulant efficacy on plant, soil fertility and soil microbial consortium: A perspective to promote the circular economy. Process Safety and Environmental Protection, Volume 170: 573-583. doi.org/10.1016/j.psep.2022.12.029.
5. Nandhine Rajasekar., Deepa Gandhi., Ravikumar Vilwanathan., Sudhakar Gandhi Paramasivam., Sramana Mukhopadhyay., Subbiah Rajasekaran. (2023). Tannic acid promotes lung repair in an elastase-induced mouse model of emphysema. Inflammopharmacology. 32(1):747-761.
6. Brindha R., Jennet Debora J., Rajaguru P. (2023). Analysis of batch kinetic data of bio decolorization reaction: a theoretical approach for the design of packed bed reactor. Journal of Environmental Engineering, 149, 10. DOI: 10.1061/JOEEDU.EEENG-7269.

2022

1. Mira chares, S., Maheshwari, A.S. (2022). Investigation of *Ochrobacter pseudintermedium* ASMCS06 for cleaner biodegradation and bioelectricity production, Cleaner Materials, 6, 100149.
2. Yogeswaran Jagadeesan., Shanmugapriya Meenakshisundaram., Vishnuprasad Saravanan., Anandaraj Balaiah. (2022). Greener and Sustainable Biovalorization of Poultry Waste into Peptone via Bacto-Enzymatic Digestion: A Breakthrough Chemical-Free Bioeconomy Waste Management Approach. Waste and Biomass Valorization, Volume 13: 3197-3219. doi.org/10.1007/s12649-022-01713-0.
3. Rubhadevi Balu1., Shiyam Sundar Ramachandran., Amala Mathimaran., Jeyakanthan Jeyaraman., Sudhakar Gandhi Paramasivam. (2022). Functional significance of mouse seminal vesicle sulphydryl oxidase on sperm capacitation in vitro. Molecular Human Reproduction. 28(9): 1-19
4. Brindha R*, Rajeswari S., Jennet Debora J., Rajaguru P. (2022). Evaluation of global research trends in photocatalytic degradation of dye effluents using scientometrics analysis. Journal of Environmental Management, 318:115600. DOI: 10.1016/j.jenvman.2022.115600.
5. Anuja E., Pramothkumar A., Brindha R., Vetha Potheher I. (2022). Pure and Al-Bi Co-doped SnO2 Nanoparticles as Bacterial Growth Inhibitors. Toxicological & Environmental Chemistry, DOI: 10.1080/02772248.2022.2117361

2021

1. Ramkumar Samynathan., Muthu Thiruvengadam., Shivraj Hariram Nile., Mohammad Ali Shariati., Maksim Rebezov., Raghvendra Kumar Mishra., BaskarVenkidasamy., Sureshkumar Periyasamy., Il- Min Chung., Mirian Pateiro., José M. Lorenzo" .(2021), Recent insights on tea metabolites, their biosynthesis and chemo-preventing effects: A Review "Critical Reviews in Food Science and Nutrition.
2. Meenakshi R. Venkateswaran., Tamil Elakkiya Vadivel., Sasidharan Jayabal., Selvakumar Murugesan., Subbiah Rajasekaran., Sureshkumar Periyasamy. (2021). "A review on network pharmacology based phytotherapy in treating diabetes- An environmental perspective * Environmental Research 202 111656.
3. V. Tamil Elakkiya., P. Sureshkumar., KS. Yoha, D., Subhasri. (2021). "Studies on antibacterial and chemotaxis properties of Pseudomonas aeruginosa TENOI biomass-derived sustainable biosurfactant Chemosphere 285 131381.
4. Selvakumar Murugesan., Venkatesan Srinivasan., Dinesh Kumar Lakshmanan., Meenakshi,R. Venkateswaran., Sasidharan Jayabal., M. S. A. Muthukumar Nadar., Arunkumar Kathiravan., Mariadoss Asha Jhonsi., Sivasudha Thilagar., Sureshkumar Periyasamy. (2021). "Evaluation of then anti-rheumatic properties of thymol using carbon dots as nanocarriers on FCA induced arthritic rats" Food Funct., 12, 5038

5. V. Tamil Elakkiya., R. V. Meenakshi., P. Senthil Kumar., V. Karthik., K. Ravi Shankar., P. Sureshkumar., A. Hanan. (2021). "Green synthesis of copper nanoparticles using *Sesbania aculeata* to enhance the plant growth and antimicrobial activities" *International Journal of Environmental Science and Technology*
6. Nandhine Rajasekar., Ayyanar Sivanantham Amrita Kar., Sramana Mukhopadhyay., Santanu Kar Mahapatra., Sudhakar Gandhi Paramasivam., Subbiah Rajasekaran. (2021). Anti-asthmatic effects of tannic acid from Chinese natural gall nuts in amouse model of allergic asthma. *International Immunopharmacology* (98): 01-09
7. Shiyam Sundar Ramachandran., Rubhadevi Balu., Ravikumar Vilwanathan., Jeyakanthan Jeyaraman., Sudhakar Gandhi Paramasivam. (2021). A mouse testis serine protease, TESP1, as the potential SPINK3 receptor protein on mouse sperm acrosome. *Molecular Human Reproduction*. 27 (10): 1-17
8. Tamil Elakkiya V., Meenakshi, RV., Karthik, V., Ravi Shankar, K., SureshKumar. P., Hanan A. (2021) "Green synthesis of copper nanoparticles using *Sesbania aculeata* to enhance the plant growth and antimicrobial activities" *International Journal of Environmental Science*, pp 1-10.
9. Meenakshi RV., Tamil Elakkiya V., Sasidharan J., Selvakumar M., Rajasekaran S., Sureshkumar P. (2021) . Review on network pharmacology based phytotherapy in treating diabetes an environmental perspective." *Environmental Research*, volume 202, pp 111656.
10. Karthik V., Selvakumar P., Senthil Kumar P., Dai VNV., Gokulakrishnan M., Keerthana P., Tamil Elakkiya V., Rajeswari R. (2021). *Environmental Chemistry Letters*, volume 19, pp 3631 3644.
11. Tamil Elakkiya V., Meenakshi, RV., Karthik, V., Ravi Shankar, K., SureshKumar, P ., Hanan A. (2021). Green Synthesis of Copper Nanoparticles using *Sesbania aculeata* to enhance the plant growth and 1-10