

S. No	Author(s)	Title	Journal	Year
1	Dr. N. Selvamurugan	3D-printed titanium scaffolds loaded with gelatin hydrogel containing strontium-doped silver nanoparticles promote osteoblast differentiation and antibacterial activity for bone tissue engineering	Biotechnology Journal	August/2024
2	Dr. N. Selvamurugan	Regulation of TGF- $\beta$ /BMP signaling during osteoblast development by non-coding RNAs: Potential therapeutic applications	Life Sciences	August/2024
3	Dr. N. Selvamurugan	Three-dimensional porous polycaprolactone/chitosan/ bioactive glass scaffold for bone tissue engineering	Journal of Biomaterials Science, Polymer Edition	August/2024
4	Dr. N. Selvamurugan	A comprehensive bioinformatic analysis of the role of TGF-beta1-stimulated activating	Computational Biology and	September/2024
5	Dr. N. Selvamurugan	Natural polymers-based surface engineering of bone scaffolds - A review	International Journal of Biological Macromolecules	October/2024
6	Dr.K.M. Ramkumar	Exploring the Therapeutic Potential of Tyrosol and Its Derivatives: A Comprehensive Review	Current Medicinal Chemistry	August/2024
7	Dr.K.M. Ramkumar	Epigenetic regulation of Nrf2-Mediated angiogenesis in diabetic foot ulcer progression: Role of histone deacetylases	Archives of Biochemistry and Biophysics	August/2024
8	Dr.K.M. Ramkumar	Development of a high-yield reco	Process Biochemistry	04.09.2024

9	Dr.K.M. Ramkumar	Molecular Mechanism of NL13 P	International Journal of Pe	12.09.2024
10	Dr.K.M. Ramkumar	Effect of Bis (methyl glycol) Phtha	Environmental Toxicology	25.09.2024
11	Dr.K.M. Ramkumar	Copper Dyshomeostasis And Dia	Mini-Reviews in Medicinal	26.09.2024
12	Dr.K.M. Ramkumar	Nrf2 Activation in Keratinocytes: A Central Role in Diabetes-Associated Wound Healing	Experimental Dermatology	07.10.2024
13	Dr.K.M. Ramkumar	Mangiferin Represses Inflammation in Macrophages Under a Hyperglycemic Environment Through Nrf2 Signaling	International Journal of Molecular Sciences	18.10.2024
14	Dr.K.M. Ramkumar	MiR-142-5p mediated Nrf2 dysregulation in gestational diabetes mellitus and its impact on placental angiogenesis	Placenta	24.10.2024
15	Dr.K.M. Ramkumar	A Co-Culture System for Studying Cellular Interactions in Vascular Disease	Bioengineering	30.10.2024
16	Dr.K.M. Ramkumar	Regulatory mechanisms and pathological implications of CYP24A1 in Vitamin D metabolism	Pathology - Research and Practice	28.10.2024
17	Dr. S. Sahabudeen	Chitosan-Coated Probiotic Nanop	Scientific Reports	11.09.2024
18	Dr. S. Sahabudeen	Chitosan coated Titanium Dioxide Nano	Nano	04.09.2024
19	Dr. S. Sahabudeen	Synthesis and antimicrobial activity of yttrium-doped cerium oxide nano-composite against wound pathogen	Materials Research Express	28.10.2024
20	Dr. S. Sahabudeen	Toxicity of Yttrium-Doped Cerium Nanocomposite in Drosophila Melanogaster	World Scientific Nano	24.10.2024

21	Dr. S. Sahabudeen	Polyethylene Microplastics affect Behavioural, Oxidative Stress, and Molecular Responses in the Drosophila Model	Environmental Science: Processes & Impact	24.10.2024
22	Dr. R.A.Nazeer	Ethanollic Cashew Leaf Extract E	Colloids and Interfaces	September/2024
23	Dr. R.A.Nazeer	A review on inflammation modula	International Immunophar	September/2024
24	Dr. R.A.Nazeer	Optimization of alginate/carboxymethyl chitosan microbeads for the sustained release of celecoxib and attenuation of intestinal inflammation in vitro.	International Journal of Biological Macromolecules	October/2024
25	Dr Lilly M Saleena	The Impact of Oral Diseases on Respiratory Health and the Influence of Respiratory Infections on the Oral Microbiome	Journal of Dentistry	June/2024
26	Dr Lilly M Saleena	Oral microbiome insights: Tracing acidic culprits in dental caries with functional metagenomics	Archives in oral biology	August/2024
27	Dr Lilly M Saleena	Genomic reconstruction of unclassified microorganisms: Analysis of CRISPR arrays and genes involved in defence mechanisms	Gene	August/2024
28	Dr. R. Pachaiappan	Bisphenol A-Induced Ovarian Damage Countered by Luteolin: Experiments in In Vitro CHO Cells and In Vivo PCOS Phenotype Zebrafish	Tissue and Cell	August/2024

29	Dr. R. Pachaiappan	Effect of UVB radiation on morphological, physiological and biochemical changes in methylotrophs	Biologia	August/2024
30	Dr. R. Pachaiappan	Co-occurrence of azorubine and bisphenol A in beverages increases the risk of developmental toxicity: A study in zebrafish model	Food and Chemical Toxicology	July/2024
31	Dr. R. Pachaiappan	Role of fatty acids in modulating aeruginosa and Chromobacterium experimental and computational	International Microbiology	18/09/2024
32	Dr. R. Pachaiappan	Chitosan-chondroitin sulfate-daid	International Journal of Bi	September/2024
33	Dr. R. Jai ganesh	Green synthesis of Chitosan Nanoparticles using Cassia fistula Leaves Extract: Evaluation of Antimicrobial, Antioxidant, antibiofilm and cytotoxic activities.	3-Biotech	September/2024
34	Dr.K.Ramani	Unraveling latent affinity of strategically designed Histidine-rich biosurfactant via tannery waste bio-upcycling in environmentally relevant lignin removal from pulp and paper industry effluent	Biocatalysis and Agricultural Biotechnology	October/2024
35	Dr. R.Muthu kumar	Sustainable Valorization of Waste	Chemosphere	September/2024
36	Dr.S.Barathi	Nanomaterials in the environment and their pragmatic voyage at various trophic levels in an ecosystem	Journal of Environmental	June/2024

37	Dr. Sarada, DVL	Modulation of quiescent centre genes by 24-Epibrassinolide restores root phenotype and cell wall architecture in arsenate-stressed rice seedlings	Journal of Plant Growth Regulation	June/2024
38	Dr. Sarada, DVL	24-Epibrassinolide mitigates arsenate stress in seedlings of <i>Oryza sativa</i> (IR-20) via the induction of phenylpropanoid pathway	Plant Physiology and Biochemistry	August/2024
39	Dr. S. Subhashini	Polyethylene Microplastics affect Behavioural, Oxidative Stress, and Molecular Responses in the Drosophila Model	RSC Environmental Science: Processes & Impact	24.10.2024
40	Dr. V. Vinoth Kumar	Microbial Squalene: A Sustainable Alternative for the Cosmetics and Pharmaceutical Industry – A Review	Engineering in Life Science	August/2024
41	Dr. V. Vinoth Kumar	Recent advances in various clean	Clean Technologies and E	17/9/2024
42	Dr. V. Vinoth Kumar	Fabrication and characterization	Process Safety and Envir	17/9/2024
43	Dr. V. Vinoth Kumar	Effect of silver doping on structural, optical and antifungal properties of copper oxide nanoparticles prepared using <i>Colocasia esculenta</i> leaf extract	Nano-Structures & Nano-Objects	28/10/2024
44	Dr.S.Rupachandra	Preparation and Characterization of Papain Loaded Phosphatidyl Choline-PLGA Hybrid Nanoparticles as Novel Drug Delivery Systems	Journal of Polymers and the Environment	October/2024

45	Dr. Jayabrata Das	Electrochemical fabrication of AuPt nanoalloy embedded nitrogen-doped reduced graphene oxide (AuPt@N-erGO) based combinatorial dual-analyte sensor.	Journal of Alloys and Compounds	July/2024
46	Dr. Jayabrata Das	Electrochemical detection of □ nor	Journal of Solid State Elec	October/2024
47	Dr K Venkatesan	Advancement of Nanofibers in Wound Healing: A Review	Biomedical & Pharmacology Journal	September/2024
48	Dr. S. Meenakumari	Role of fatty acids in modulating aeruginosa and Chromobacterium experimental and computational	International Microbiology	18/09/2024
49	Dr. Bibin G Anand	Tailoring the Molecular Structure of 6-Gingerol for Targeting the Phase Separation in Human Lysozyme	Journal of Physical Chemistry Letters	July/2024
50	Dr. Bibin G Anand	Cu(II) specifically disassembles insulin amyloid nanostructures via direct interaction with cross-β fibrils	Nanoletters	November/2024
51	Dr. Bibin G Anand	Rapid Coaggregation of Proteins Without Sequence Similarity: Possible Role of Conformational Complementarity	ACS Biochemistry	October/2024
52	Dr. B. Samuel Jacob	Sustainable Extraction Strategy for Lignin from Coconut Coir Using Organosolv and Deep Eutectic Solvents (DES)	Waste and Biomass Valor	October/2024
53	Dr. B. Samuel Jacob	Delignification of <i>Rosa hybrida</i> Delignification of <i>Rosa hybrida</i> cv. Rose Sherbet Seed Pericarp Using Deep Eutectic Solvents for Improved Seed Quality Parameters	Journal of Plant Growth R	October/2024

54	Dr. D.S.Prabakaran	Yellow Emissive Carbon Dots - A Robust Nanoprobe for Highly Sensitive Quantification of Jaundice Biomarker and Mitochondria Targeting in Cancer Cells	ACS Applied Bio Materials	September/2024
55	Dr. D.S.Prabakaran	Enhancing ketoprofen's solubility and anti-inflammatory efficacy with safe methyl- $\beta$ -cyclodextrin complexation.	Scientific Reports	September/2024
56	Dr. D.S.Prabakaran	Biocompatible bright orange emissive carbon dots: Multifunctional nanoprobes for highly specific sensing toxic Cr (VI) ions and mitochondrial targeting cancer cell imaging	Talanta Open	August/2024
57	Dr. S. Balamurugan	Heterologous glucose-6-phosphate dehydrogenase empowers the biofuel potential of Tetrademus obliquus via generating lipogenic NADPH	Algal Research	July/2024
58	Dr. Koustav Sarkar	Participation of T cells in generating immune protection against cancers	Pathology – Research and Practice	August/2024
59	Dr. Koustav Sarkar	Cytotoxic Studies on Hybrid Inorg	Applied Organometallic C	September/2024
60	Dr. Satish kumar R	Repurposing methuosis-inducing	PLOS pathogens	September/2024
61	Dr. Satish kumar R	Synergy of Histone Acetyltransfer	Letters in Applied Microbi	September/2024
62	Dr. Satish kumar R	Repurposing methuosis-inducing anticancer drugs for anthelmintic therapy	PLOS pathogens	September/2024
63	Dr. M. Gobi	Effect of UVB radiation on morphological, physiological and biochemical changes in methylotrophs	Biologia	August/2024