

S. No	Author(s)	Title	Journal	Year
1	Dr. N. Selvamurugan	Antiproliferative and Apoptotic Effects of pH-Responsive Veratric Acid-Loaded Polydopamine Nanoparticles in Human Triple Negative Breast Cancer Cells	Chemistry and Biodiversity	June/2023
2	Dr. N. Selvamurugan	Nanogels for Bone Tissue Engineering: From Synthesis to Application	Nanoscale	June/2023
3	Dr. N. Selvamurugan	Role and architectural significance of porous chitosan-based scaffolds in bone tissue engineering	International Journal of Biological Macromolecules	August/2023
4	Dr. N. Selvamurugan	MicroRNAs mediated interaction of tumor microenvironment cells with breast cancer cells during bone metastasis	Breast Cancer	November/2023
5	Dr. N. Selvamurugan	Nuciferine-loaded chitosan hydrogel-integrated 3D-printed polylactic acid scaffolds for bone tissue engineering: A combinatorial approach	International Journal of Biological Macromolecules	December/2023
6	Dr. N. Selvamurugan	Transforming Growth Factor- $\beta$ 1-mediated Regulation of circ_DISP3 and ATF3 in Human Triple-negative Breast Cancer Cells	Gene Expression	October/2023
7	Dr. N. Selvamurugan	Circ_ST6GAL1-mediated competing endogenous RNA network regulates TGF- $\beta$ 1-stimulated matrix Metalloproteinase-13 expression via Runx2 acetylation in osteoblasts	Noncoding RNA Research	November/2023
8	Dr. N. Selvamurugan	Nanoceramics-reinforced chitosan scaffolds in bone tissue engineering	Materials Advances	August/2023
9	Dr. N. Selvamurugan	In vivo validation of the functional role of MicroRNA-4638-3p in breast cancer bone metastasis.	Journal of Cancer Research and Clinical Oncology	February/2024

10	Dr. N. Selvamurugan	Current approaches in tissue engineering-based nanotherapeutics for osteosarcoma treatment	Biomedical Materials	February/2024
11	Dr. N. Selvamurugan	Crosstalk between Wnt and bone morphogenetic protein signaling during osteogenic differentiation.	World journal of stem cells	February/2024
12	Dr. N. Selvamurugan	Chitosan nanocarriers for non-coding RNA therapeutics: A review	International Journal of Biological Macromolecules	March/2024
13	Dr. N. Selvamurugan	Regulatory and therapeutic implications of competing endogenous RNA network in breast cancer progression and metastasis: A review	International Journal of Biological Macromolecules	March/2024
14	Dr. N. Selvamurugan	A potential function for MicroRNA-124 in normal and pathological bone conditions	Noncoding RNA Research	March/2024
15	Dr. N. Selvamurugan	Tunable mechanical properties of chitosan-based biocomposite scaffolds for bone tissue engineering applications: A review.	International Journal of Biological Macromolecules	June/2024
16	Dr. N. Selvamurugan	A potential function for MicroRNA-124 in normal and pathological bone conditions.	Non-coding RNA Research	February/2024
17	Dr. N. Selvamurugan	Regulatory and therapeutic implications of competing endogenous RNA network in breast cancer progression and metastasis: A review	International Journal of Biological Macromolecules	May/2024
18	Dr. N. Selvamurugan	Crosstalk between Wnt and bone morphogenetic protein signaling during osteogenic differentiation	World Journal of Stem Cells	February/2024
19	Dr. N. Selvamurugan	Chitosan nanocarriers for non-coding RNA therapeutics: A review	International Journal of Biological Macromolecules	April/2024
20	Dr. N. Selvamurugan	Current approaches in tissue engineering-based nanotherapeutics for osteosarcoma treatment	Biomedical Materials	February/2024

21	Dr. N. Selvamurugan	In vivo validation of the functional role of MicroRNA-4638-3p in breast cancer bone metastasis	Journal of Cancer Research and Clinical Oncology	February/2024
22	Dr. N. Selvamurugan	Magnesium-incorporated biocomposite scaffolds: A novel frontier in bone tissue engineering	Journal of Magnesium and Alloys	June/2024
23	Dr. N. Selvamurugan	Circ_ST6GAL1-mediated competing endogenous RNA network regulates TGF- $\beta$ 1-stimulated matrix Metalloproteinase-13 expression via Runx2 acetylation in osteoblasts	Non-coding RNA Research	November/2023
24	Dr. N. Selvamurugan	Nuciferine-loaded chitosan hydrogel-integrated 3D-printed polylactic acid scaffolds for bone tissue engineering: A combinatorial approach	International Journal of Biological Macromolecules	December/2023
25	Dr. N. Selvamurugan	MicroRNAs mediated interaction of tumor microenvironment cells with breast cancer cells during bone metastasis	Breast Cancer	November/2023
26	Dr. N. Selvamurugan	Role and architectural significance of porous chitosan-based scaffolds in bone tissue engineering	International Journal of Biological Macromolecules	November/2023
27	Dr. N. Selvamurugan	Transforming Growth Factor- $\beta$ 1-mediated Regulation of circ_DISP3 and ATF3 in Human Triple-negative Breast Cancer Cells	Gene Expression	December/2023
28	Dr. K. M. Ramkumar	MicroRNA-27b Impairs Nrf2-Mediated Angiogenesis in the Progression of Diabetic Foot Ulcer	Journal of Clinical Medicine	July/2023
29	Dr. K. M. Ramkumar	Quantitative proteomic analyses uncover regulatory roles of Nrf2 in human endothelial cells	Cell Stress & Chaperones	July/2023

30	Dr. K. M. Ramkumar	Pterostilbene attenuates hemin-induced dysregulation of macrophage M2 polarization via Nrf2 activation in experimental hyperglycemia	Inflammopharmacology	January/2023
31	Dr. K. M. Ramkumar	Dysfunctions, Molecular Mechanisms, and Therapeutic Strategies of Pancreatic beta -cells in diabetes	Apoptosis	June/2023
32	Dr. K. M. Ramkumar	Dietary Polyphenols Remodel DNA Methylation Patterns of NRF2 in Chronic Disease	Nutrients	July/2023
33	Dr. K. M. Ramkumar	Pterostilbene accelerates wound healing response in diabetic mice through Nrf2 regulation	Molecular Immunology	November/2023
34	Dr. K. M. Ramkumar	Impact of vitamin D resistance genes on vitamin D deficiency during pregnancy among the South Indian population	Journal of reproductive Immunology	September/2023
35	Dr. K. M. Ramkumar	Quantitative proteomic analyses uncover regulatory roles of Nrf2 in human endothelial cells	Cell Stress and Chaperones	November/2023
36	Dr. K. M. Ramkumar	Crosstalk between inflammasomes inflammation and Nrf2 Implications for gestational diabetes mellitus pathogenesis and therapeutics	European Journal of Pharmacology	January/2024
37	Dr. K. M. Ramkumar	Exploring Lactoferrin as a novel marker for disease pathology and ferroptosis regulation in gestational diabetes.	Journal of reproductive immunology	February/2024
38	Dr. K. M. Ramkumar	Micro RNA 125b regulates vitamin D resistance by targeting CYP11A1 in the progression of gestational diabetes mellitus	Journal of steroid biochemistry and molecular biology	February/2024
39	Dr. K. M. Ramkumar	LncRNA NEAT1/miR-146a-5p Axis Restores Normal Angiogenesis in Diabetic Foot Ulcers by Targeting mafK	Cells	March/2024

40	Dr. Lilly Saleena	A Review of Web-Based Metagenomics Platforms for Analysing Next-Generation Sequence Data. Biochem	Biochemical Genetics	July/2023
41	Dr. Lilly Saleena	Unveiling bacterial consortium for xenobiotic biodegradation from Pichavaram mangrove forest soil: a metagenomic approach	Archives in Microbiology	December/2023
42	Dr. Lilly Saleena	. Microbial cell factories for melanin production: progress and opportunities for industrial production	Biologia	February/2024
43	Dr. R. Muthukumar	A concise overview of perchlorate sources contamination, and remediation techniques	Bioremediation Journal	November/2024
44	Dr. R. Muthukumar	Rapid and cost-effective detection of perchlorate in water using paper-based analytical devices	Desalination and Water Treatment	January/2024
45	Dr. R. Muthukumar	Advances in two-dimensional transition metal dichalcogenides-based sensors for environmental, food, and biomedical analysis: A review	Luminescence	March/2024
46	Dr. R. Pachaiappan	Persuading of virulence factors production in <i>Pseudomonas aeruginosa</i> by artificial food coloring azo dyes.	Process Biochemistry	March/2024
47	Dr. R. Pachaiappan	A Comprehensive Review of Therapeutic Compounds from Plants for Neurodegenerative Diseases,	Current Medicinal Chemistry	February/2024
48	Dr. R. Pachaiappan	HPLC Purification of Antioxidant and Antibacterial Peptides from a Lichen "Parmotrema Perlatum (Huds.) M. Choisy": Identification by LC-MS/MS Peptide Mass Fingerprinting	Biotechnology and Applied Biochemistry	February/2024

49	Dr. R. Pachaiappan	Enhanced production of actinidine and glaziovine alkaloids from <i>Nardostachys jatamansi</i> (D. Don) DC. Through cell suspension culture with elicitors treatment	Process Biochemistry	January/2024
50	Dr. R. Pachaiappan	Study of an inhibitory effect of plant polyphenolic compounds against digestive enzymes using bench-working experimental evidence predicted by molecular docking and dynamics	International Journal of Biological Macromolecules	January/2024
51	Dr. R. Pachaiappan	Exploring the Combined Effect of Exercise and Apigenin on Aluminium-Induced Neurotoxicity in Zebrafish.	Molecular Neurobiology	January/2024
52	Dr. R. Pachaiappan	Co-encapsulation and release of apigenin and ascorbic acid in polyelectrolyte multilayer capsules for targeted polycystic ovary syndrome.	International Journal of Pharmaceutics, 123749.	December/2023
53	Dr. R. Pachaiappan	Cyclic and differential pulse voltammetric measurements on fibrils formation of alpha synuclein in Parkinson's disease by a gold interdigitated tetraelectrodes.	Process Biochemistry.	December/2023
54	Dr. R. Pachaiappan	Skeletal and neurological risks demonstrated in zebrafish due to second-hand cigarette smoke and the neutralization of luteolin.	Tissue and Cell	October/2023
55	Dr. R. Pachaiappan	Effect of abiotic elicitor on the production of camptothecin from <i>Nothapodytes nimmoniana</i> (J. Graham) Mabb.	Biocatalysis and Agricultural Biotechnology	September/2023
56	Dr. R. Pachaiappan	Effects of Consuming Repeatedly Heated Edible Oils on Cardiovascular Diseases: A Narrative Review.	Current Medicinal Chemistry	October/2023

57	Dr. R. Pachaiappan	Synthetic azo-dye, Tartrazine induces neurodevelopmental toxicity via mitochondria-mediated apoptosis in zebrafish embryos	Journal of Hazardous Materials	September/2023
58	Dr. R. Pachaiappan	Understanding the mechanisms and implications of acacetin in mitigating diabetic osteoporosis: Insights from a zebrafish model	Process Biochemistry	September/2023
59	Dr. R. Pachaiappan	Quantification of hormones and profiling of metabolites from vegetative to reproductive growth phase shift in <i>Lagenaria siceraria</i> Molina) Standl.,	Scientia Horticulturae	September/2023
60	Dr. R. Pachaiappan	Luteolin photo-protects zebrafish from environmental stressor ultraviolet radiation (UVB)	Journal of Toxicology and Environmental Health, Part A	October/2023
61	Dr. R. Pachaiappan	Impact of butylparaben on $\beta$ -cell damage and insulin/PEPCK expression in zebrafish larvae: Protective effects of morin.	Journal of Biochemical and Molecular Toxicology	August/2023
62	Dr. K. Ramani	High-throughput bioamphiphile production by ethyl methane sulphonate induced mutant of hydrocarbonoclastic <i>Enterobacter xiangfangensis</i> STP-3: In depth structural elucidation and application to petroleum refinery oil sludge bioremediation	Journal of Hazardous Materials	July/2023
63	Dr. K. Ramani	Laccase driven biocatalytic oxidation to reduce polymeric surface hydrophobicity: An effective pre-treatment strategy to enhance biofilm mediated degradation of polyethylene and polycarbonate plastics	Science of the Total Environment	September/2023

64	Dr. K. Ramani	Nanoarchitectonics Design Strategy of Metal–Organic Framework and Bio-Metal–Organic Framework Composites for Advanced Wastewater Treatment through Adsorption	Langmuir	February/2024
65	Dr. K. Ramani	A novel integrated microbial and laccase-anchored carbon catalyst system for the effective treatment of toxic organic and recalcitrant-rich municipal landfill leachate	Carbon Letters	March/2024
66	Dr. S. Rupachandra	Fabrication and in vitro characterization of nisin-incorporated PCL/PEG electrospun nanofibers for wound dressing applications	Polymer Bulletin	May/2024
67	Dr. S. Rupachandra	Evaluation of antioxidant, anti-inflammatory and antibacterial properties of protein extract isolated from <i>Vigna trilobata</i>	Journal of Food Measurement and Characterization	June/2024
68	Dr. W. Richard Thilagaraj	Comparative Study of Antibacterial Activity between Selected International and Indian Essential Oils against Selected Pathogenic Bacteria	Journal of Pure and Applied Microbiology (JPAM)	February/2024
69	Dr. S. Sujatha	In silico screening and analysis of candidate microRNA-target interaction involved in progression of prediabetes to Type II Diabetes Mellitus	Journal of applied biology and biotechnology	January/2024
70	Dr. S. Sujatha	Upconversion nanoparticles and their potential in the realm of biomedical sciences and theranostics	Journal of nanoparticle research	March/2024
71	Dr. S. Nageswaran	Doxorubicin-induced chemoresistance in Duke's type B colon adenocarcinoma cell line is aggravated in the presence of TGF- $\beta$ 2 through non-apoptotic cell death	Clinical and Translational Oncology	February/2024



72	Dr. S. Subhashini	Biocompatibility, anti-hemolytic, and antibacterial assessments of electrospun PCL/collagen composite nanofibers loaded with Acanthophora spicifera extracts mediated copper oxide nanoparticles	Biocatalysis and Agricultural Biotechnology	December/2023
73	Dr. V. Vinoth Kumar	Polymeric membranes customized with super paramagnetic iron oxide nanoparticles for effective separation of pentachlorophenol and proteins in aqueous solution	Journal of Molecular Structure	October/2023
74	Dr. V. Vinoth Kumar	Removal of pentachlorophenol and phenanthrene from lignocellulosic biorefinery wastewater by a biocatalytic/biosurfactant system comprising cross-linked laccase aggregates and rhamnolipid	Environmental Pollution	August/2023
75	Dr. V. Vinoth Kumar	Non-digestible oligosaccharides-based prebiotics to ameliorate obesity: Overview of experimental evidence and future perspectives	Food Science and Biotechnology	August/2023
76	Dr. V. Vinoth Kumar	Exceptional Peroxidase-Like activity of an Iron and Copper based organic framework for Consecutive Colorimetric Biosensing of Glucose and Kanamycin in Real Food Sample	Analyst	August/2023
77	Dr. V. Vinoth Kumar	Superior Performance of Titanium Coated Magnetic Mesoporous Silica Nanocomposite Based Poly(lactic acid) Membranes for the Separation of Chlorophenolic Organic Contaminants	Journal of Polymers and the Environment	November/2023
78	Dr. V. Vinoth Kumar	An insight into the utilization of microbial biosurfactants pertaining to their industrial applications in the food sector	Food Science and Biotechnology	November/2023

79	Dr. V. Vinoth Kumar	Poly(methyl vinyl ether-alt-maleic acid)-Coated Poly(ether ether) Sulfone Ultrafiltration Membranes Augmented with Silver Nanoparticles for the Removal of Proteins and Pesticides from Aqueous Solutions	Industrial & Engineering Chemistry Research	December/2023
80	Dr. V. Vinoth Kumar	A comprehensive review of eclectic approaches to the biological synthesis of vanillin and their application towards the food sector	Food Science and Biotechnology	March/2024
81	Dr. V. Vinoth Kumar	A review on bio-based polymer polylactic acid potential on sustainable food packaging	Food Science and Biotechnology	March/2024
82	Dr. V. Vinoth Kumar	Pilot scale production and application of fungal glucose oxidase-based bio-Fenton oxidation as a pretreatment process for Casuarina equisetifolia biomass to obtain fermentable sugars	Industrial Crops and Products	February/2024
83	Dr. V. Vinoth Kumar	Anti-fouling poly (lactic) acid membrane incorporating titanium dioxide-coated biochar composites for the separation of lipopeptides from Bacillus subtilis fermentation broth	Journal of molecular Structure	December/2024
84	Dr. V. Vinoth Kumar	A Comprehensive Review on the Refinery of Citrus Peel Towards the Production of Bioenergy, Biochemical and Biobased Value-Added Products: Present Insights and Futuristic Challenges	Waste and Biomass Valorization	June/2024
85	Dr. V. Vinoth Kumar	A review on bio-based polymer polylactic acid potential on sustainable food packaging	Food Science and Technology.	March/2024

86	Dr. S. Barathi	Exploring the Effects of Endocrine-Disrupting Chemicals and miRNA Expression in the Pathogenesis of Endometriosis by Unveiling the Pathways: a Systematic Review	Reproductive Sciences	November/2023
87	Dr. Koustav Sarkar	New approaches and prospects of immunotherapy and gene therapy for prostate cancer.	Journal of Translational Genetics and Genomics	March/2024
88	Dr. Koustav Sarkar	Immunomodulatory effects of Diospyros peregrina fruit preparation (DFP) in non-small cell lung cancer (NSCLC) by utilizing dendritic cell-mediated antigen presentation and T helper (TH) cell differentiation.	Medical Oncology	April/2024
89	Dr. Koustav Sarkar	Wiskott Aldrich syndrome protein (WASp)-deficient Th1 cells promote R-loop-driven transcriptional insufficiency and transcription-coupled nucleotide excision repair factor (TC-NER)-driven genome-instability in the pathogenesis of T cell acute lymphoblastic leukemia.	Clinical Immunology	June/2024
90	Dr. Koustav Sarkar	Exploring the immunomodulatory potential of Brahmi (Bacopa monnieri) in the treatment of invasive ductal carcinoma.	Medical Oncology	April/2024
91	Dr. Koustav Sarkar	Unprecedented Approach of Fabrication and Analysis of a Bioactive PDMS/Hydroxyapatite/Graphene Nanocomposite Scaffold with a Vascular Channel to Combat Carcinogenesis	ACS Applied Bio Materials	April/2024
92	Dr. Koustav Sarkar	Diospyros malabarica fruit preparation mediates immunotherapeutic modulation and epigenetic regulation to evoke protection against non-small cell lung cancer (NSCLC)	Journal of Ethnopharmacology	October/2023

93	Dr. Koustav Sarkar	Involvement of CCCTC-binding factor in epigenetic regulation of cancer	Molecular Biology Reports	December/2023
94	Dr. Koustav Sarkar	Epigenetic regulation of enhancer of zeste homolog 2 (EZH2) -Yin Yang 1 (YY1) axis in cancer	Pathology - Research and Practice	November/2023
95	Dr. Koustav Sarkar	Interplay between signal transducers and activators of transcription (STAT) proteins and cancer: involvement, therapeutic and prognostic perspective	Clinical and Experimental Medicine	December/2023
96	Dr. Koustav Sarkar	Role of chemotherapeutic drugs in immunomodulation of cancer	Current Research In Immunology	August/2023
97	Dr. Koustav Sarkar	HDAC inhibition regulates oxidative stress in CD4+Thelper cells of chronic obstructive pulmonary disease and non-small cell lung cancer patients via mitochondrial transcription factor a (mtTFA) modulating NF- $\kappa$ B/HIF1 $\alpha$ axis	International Immunopharmacology	September/2023
98	Dr. Koustav Sarkar	Natural Plant Products Mediated Prevention of Cancer Facilitated through Immune Suppression of Treg Cells	Current Topics in Medicinal Chemistry	November/2023
99	Dr. Koustav Sarkar	Doxorubicin induced epigenetic regulation of dendritic cell maturation in association with T cell activation facilitates tumor protective immune response in non-small cell lung cancer (NSCLC)	Pathology - Research and Practice	January/2024
100	Dr. Koustav Sarkar	Role of Wiskott Aldrich Syndrome Protein in Haematological Malignancies: Genetics, Molecular mechanisms and Therapeutic strategies.	Pathology - Research and Practice	January/2024
101	Dr. Koustav Sarkar	Association of Wiskott-Aldrich syndrome protein (WASp) in epigenetic regulation of B cell differentiation in non-small-cell lung cancer (NSCLC)	Medical Oncology	January/2024

102	Dr. Koustav Sarkar	Participation of B cell in immunotherapy of cancer	Pathology - Research and Practice	March/2024
103	Dr. Koustav Sarkar	Participation of Brahmi (Bacopa monnieri L.) plant in regulation of cancer	South African Journal of Botany	March/2024
104	Dr. A. Anil	Towards the convergent therapeutic potential of G protein-coupled receptors in autism spectrum disorders	British Journal of Pharmacology	August/2023
105	Dr. A. Anil	Linking epileptic phenotypes and neural extracellular matrix remodeling signatures in mouse models of epilepsy	Neurobiology of Disease	November/2023
106	Dr. Bibin G Anand	A robust yet simple method to generate fluorescent amyloid nanofibers	Journal of Materials Chemistry B	September/2023
107	Dr. Bibin G Anand	Initiation of Brain Extract Fibrillation and Effective Cellular Internalization of Tryptophan Fibrils Unveils Its Neurotoxicity Risk	ACS Chemical Neuroscience	December/2023
108	Dr. Bibin G Anand	Pleiotropic nanostructures built from L-histidine show biologically relevant multi-catalytic activities	ACS Applied Materials and Interfaces	February/2024
109	Dr. Bibin G Anand	Molecular insights into the phase transition of lysozyme into amyloid nanostructures: Implications of therapeutic strategies in diverse pathological conditions	Advances in Colloid and Interface Science	May/2024
110	Dr. Bibin G Anand	Cu(II) specifically disassembles insulin amyloid nanostructures via direct interaction with cross- $\beta$ fibrils	ACS Nanoletters	July/2024
111	Dr. K . Kalimuthu	Synergistic Analysis of Lung Cancer's Impact on Cardiovascular Disease Using ML-Based Techniques	IEEE Journal of Biomedical and Health Informatics	February/2024
112	Dr. K . Kalimuthu	Antibiotic-Peptide Conjugation Against Multi-drug Resistant Pathogens: A Comprehensive Review for Therapeutics and Drug Delivery Strategies	International Journal of Peptide Research and Therapeutics	September/2023

113	Dr. M. Gobi	Green synthesis of iron oxide nanoparticles (FeONPs) and its antibacterial effect using <i>Chamaecrista nigricans</i> (Vahl) Greene (Caesalpiniaceae).	Biomass Conversion and Biorefinery	December/2023
114	Dr. M. Gobi	Circular RNA ciRS-7 signature as a potential biomarker for the early detection of diabetes with Alzheimer's disease: a hypothesis.	Molecular Biology Reports	August/2023