



**School of Electrical and Communication**

**Department of Biotechnology**

**Calendar year -2022**

SI. No	Faculty Name	Title	Journal Name	Impact Factor	Quartile Category
1	Dr. P. Azhagu Saravana Babu	Removal of pesticides from strawberries using plant extracts and assessed by gas chromatography-triple quadrupole mass spectrometry	International Journal of Environmental Analytical Chemistry	2.6	Q2
2	Dr. P. Azhagu Saravana Babu	Biocatalytic and Inhibition Property of Polyphenols on of Cholesterol Esterase and Proteinases: A Study of Catalysis in Food Technology	Topics in Catalysis	2.8	Q2
3	Dr. P. Azhagu Saravana Babu	Phlorotannin and its Derivatives, a Potential Antiviral Molecule from Brown Seaweeds, an Overview	Russian Journal of Marine Biology	0.6	Q4
4	Dr. P. Azhagu Saravana Babu	Comprehensive reviews on phenolic compounds from Phaeophyceae as potential therapeutic agent	Journal of Applied Biology & Biotechnology	1.59	Q3
5	Dr. K. Jagajjanani Rao	Biosynthesis and photocatalytic evaluation of ZnO nanoparticles using banana flower perianth	Journal of Cleaner Production	9.7	Q1
6	Dr. K. Jagajjanani Rao	A review on label free biosensors	Biosensors and Bioelectronics: X	4.6	Q2
7	Dr. R. Ravi Kumar	Maximization of growth and lipid production of a toxic isolate of <i>Anabaena circinalis</i> by optimization of various parameters with mathematical modeling and computational validation	Journal of Biotechnology	4.1	Q2
8	Dr. R. Ravi Kumar	Extraction of lutein/zeaxanthin from <i>Arthrospira Platensis</i> and optimisation of the saponification	Indian Chemical Engineer	1.2	Q3

		process using the response surface methodology			
9	Dr. R. Ravi Kumar	Investigation on future perspectives of ex-situ biogenic methane generation from solid waste coal and coal washery-rejects	Fuel	6.7	Q1
10	Dr. R. Ravi Kumar	Statistical Optimization and Downstream Processing of C-Phycocyanin from <i>Phormidium valderianum</i>	Chemical Engineering & Technology	1.8	Q2
11	Dr. R. Ravi Kumar	Insight into the effective utilization of cotton spinning wastes from textile mills for the production of bioethanol	Sustainable Energy Technologies and Assessments	7.1	Q1
12	Ms.R. Sai Nandhini	Anti COVID-19 Drug - Potential Bioactive Compounds from Sprout Shoots of <i>Curcuma longa</i> Rhizome and Molecular Interaction Studies	Biointerface Research in Applied Chemistry	2.74	Q3
13	Dr. Tarangini Korumilli	<i>Aegle marmelos</i> Leaf Extract Based Synthesis of Nano iron and Nanoiron+Au Particles for Degradation of Methylene Blue	Ecological Chemistry and Engineering S	2.5	Q3
14	Dr. Tarangini Korumilli	Application of sericin-based edible coating material for postharvest shelf-life extension and preservation of tomatoes	eFood	4	Q1
15	Dr. S. Chandramohan	Biological synthesis of zinc oxide nanoparticles from the plant extract, <i>Wattakaka volubilis</i> showed anti-microbial and anti-hyperglycemic effects	Journal of King Saud University – Science	3.7	Q1
16	Ms. Sugumari Vallinayagam	Novel electrochemical biosensor key significance of smart intelligence (IoMT & IoHT) of COVID-19 virus control management	Process biochemistry	3.7	Q2
17	Ms. Sugumari Vallinayagam	Multifunctional biosensor activities in food technology, microbes and toxins – A systematic mini review	Process biochemistry	3.7	Q2
18	Dr. Jeyanthi Palanivelu	Semenogelin, a coagulum macromolecule monitoring factor involved in the first step of fertilization: A prospective	International Journal of Biological Macromolecules	7.7	Q1

		review			
<b>19</b>	Dr. Jeyanthi Palanivelu	Role of nanomaterials in deactivating multiple drug resistance efflux pumps – A review	Environmental Research	7.7	Q1
<b>20</b>	Dr. Jeyanthi Palanivelu	Ecological disturbances and abundance of anthropogenic pollutants in the aquatic ecosystem: Critical review of impact assessment on the aquatic animals	Chemosphere	8.1	Q1
<b>21</b>	Dr. Jeyanthi Palanivelu	Probiotics in Functional Foods: Survival Assessment and Approaches for Improved Viability	Applied Sciences	2.7	Q2
<b>22</b>	Dr. S. N. Nisha	Trichoderma spp. of west bengal tea cropping system	International Journal of Agricultural and Environmental Biotechnology	-	-
<b>23</b>	Dr. S. N. Nisha	Agricultural Pest Management	Journal of Applied Nanotechnology	-	-