



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

School of Electrical and Communication

Department of Biotechnology

Calendar year -2021

SI. No	Faculty Name	Title	Journal Name	Impact Factor	Quartile Category
1	Dr. K. Jagajjanani Rao	Optimization of the One-Step Green synthesis	Bio nanoscience	3.1	Q3
2	Dr.S. Mugesh	Production of 3-hydroxypropionic acid from acetate using metabolically-engineered and glucose-grown Escherichia coli	Bioresource Technology	7.7	Q1
3	Dr.S. Mugesh	Development of Pseudomonas asiatica as a host for the production of 3-hydroxypropionic acid from glycerol	Bioresource Technology	7.7	Q1
4	Dr.S. Mugesh	Green synthesis of graphene gold nanocomposites for optical sensing of ferritin biosensor	Materials letters	2.7	Q2
5	Dr. R. Sai Nandhini	GC-MS analysis of phytochemical compounds in different extracts of <i>Curculigo orchiodes</i>	Research Journal of Pharmacy and Technology	Scopus	Q2
6	Dr.R. Sai Nandhini	Anti COVID-19 Drug - Potential Bioactive Compounds from Sprout Shoots of Curcuma longa Rhizome and Molecular Interaction Studies	Biointerface Research in Applied Chemistry	2.9	Q3
7	Dr. Jeyanthi Palanivelu	Seminal exosomes – An important biological marker for various disorders and syndrome in human reproduction	Saudi Journal of Biological Sciences	4.6	Q1
8	Dr. Jeyanthi Palanivelu	Efficacy of encapsulated biogenic silver nanoparticles and its disease resistance against <i>Vibrio harveyi</i> through oral administration in <i>Macrobrachium rosenbergii</i>	Saudi Journal of Biological Sciences	4.6	Q1
9	Dr. Jeyanthi Palanivelu	Identification and Structure Prediction of Human Septin-4 as a Biomarker for Diagnosis of Asthenozoospermic Infertile Patients—Critical Finding Toward Personalized Medicine	Frontiers in Medicine	3.1	Q1

10	Dr. Jeyanthi Palanivelu	Role of Zinc (Zn) in Human Reproduction: A Journey from Initial Spermatogenesis to Childbirth	International Journal of Molecular Sciences	5.6	Q1
11	Dr. Jeyanthi Palanivelu	Role of nanomaterials in deactivating multiple drug resistance efflux pumps - A review	Environmental Research	7.7	Q1
12	Dr.V.R. Manoj	Molecular Docking Analysis of Azadirachta indica constituents as Inhibitors of Aflatoxin Polyketide Synthase (APKS)	Rasayan Journal of Chemistry	-	-
13	Dr.U.Koushi Kumar	Protein Immobilization on Heterogeneous (SiO ₂ /ZnO) Hollow-Mesoporous Nanocapsules Prepared by Imprinting CPMV: Drug Delivery and Possibility of Immunological Applications	ACS Biomaterials Science & Engineering	5.5	Q1