



PRATHYUSHA ENGINEERING COLLEGE
(An Autonomous Institution)
DEPARTMENT OF BIOTECHNOLOGY

Faculty Publication 2024 – 2025 till date

<u>S.No.</u>	Name of the Faculty	Title of the Paper	Journal Title	ISSN/ISBN number	Volume Number	Issue Number	Date/ Month of Publication	Impact Factor/S NIP
1	Dr. A. Sai Ramesh	Exploiting the synergistic biological properties of <i>Linum usitatissimum</i> and Cucurbita maxima seeds ethanolic extract in combating anticancer activity against THP-1 cell line	Medicinal Plants: An International Journal of Phytomedicines and Related Industries	Print ISSN : 0975-4261. Online ISSN : 0975-6892.	16	2	August 2024	0.239
2	Dr. A. Sai Ramesh	Marine Actinomycetes' Hydrolytic Enzymes: A Structural Characterization	Book - Protocols of Actinomycetes	9781003398400	Online issue Published	Online	November 2024	
3	Dr. A. Sai Ramesh	Traditional Screening of Actinomycetes for Antibacterial, Antifungal, and Antiviral Properties	Book - Protocols of Actinomycetes	9781003398400	Online issue Published	Online	November 2024	

4	Dr. A. Sai Ramesh	RSM-Based Media Optimization for Enzyme Production by Streptomyces	Book - Protocols of Actinomycetes	9781003398400	Online issue Published	Online	November 2024	
5	Dr. A. Sai Ramesh	Evaluating the Synergistic Antioxidant, Anti-microbial and Adsorbent Potential of Andrographis Paniculata Extract and Gold Nanoparticles	Cell Biochem Biophys.	Print ISSN : 1085-9195 Online ISSN :1559-0283	Online issue Published	Online	December 2024	1.8
6	Dr. R. Balachandar	Eco-friendly synthesis of zinc oxide nanoparticles (ZnOnps) from Piper betel leaf extract: spectral characterization and its application on plant growth parameters in maize, fenugreek and red gram	Materials Technology	ISSN / eISSN: 1066-7857 / 1753-5557	Published	1	30-Dec-23	2.9
7	Dr. R. Balachandar	Biodegradation of polyvinyl chloride using vermibacteria under variable physicochemical conditions	Journal of Hazardous Materials Advances	ISSN / eISSN: 2772-4166	Online issue Published	Online	February 2025,	4.8
8	Dr. A. Praveena	Rapid and Simultaneous Detection of Salmonella Sp. and Staphylococcus aureus in Seafood by Multiplex PCR (mPCR)	Current Analytical Chemistry	ISSN (Print): 1573-4110 ISSN (Online): 1875-6727	Online issue Published	Online	July 2024	1.7