

# Department of Biotechnology

## Faculty Publication (Research / Review)

**Faculty publication (Research / Review) details:**

AY	Bibliography	UGC Care / SCI / Scopus	Faculty Name	DOI
2023-2024	Samanta S, Panchadhyaee P, Maity TR, Nanda K, Samanta A (2023) Development of a growth chamber for cryptogams: a step toward ex situ conservation. Brazilian Journal of Botany, <a href="https://doi.org/10.1007/s40415-023-00913-9">https://doi.org/10.1007/s40415-023-00913-9</a> .	UGC CARE Web of Science	Dr. Tilak Raj Maity	<a href="https://doi.org/10.1007/s40415-023-00913-9">https://doi.org/10.1007/s40415-023-00913-9</a>
2023-2024	Samanta A, Maity TR, Dey S, Gupta S, Datta S (2023) The Effect of Pro-oxidant, Anti-oxidant and AntiCancerous Drug on Colchicine Induced Polyploidy Cells of Grass Pea Seedling. Advances in Zoology and Botany, 11(5): 399-407.	UGC CARE Status: Discontinued from Jan 2023	Dr. Tilak Raj Maity	10.13189/azb.2023.110508
2023-2024	Seal S, Chakraborty T, Polley S, Paul D, Banerjee N, Sinha D, Dutta A, Chatterjee S, Sau K, Ghosh Dastidar S, Sau S (2023) Modeling and monitoring the effects of three partly conserved Ile residues in the dimerization domain of a Mip-like virulence factor from Escherichia coli. Journal of Biomolecular Structure and Dynamics, DOI: 10.1080/07391102.2023.2274978.	UGC CARE Scopus	Dr. Keya Sau	<a href="https://doi.org/10.1080/07391102.2023.2274978">https://doi.org/10.1080/07391102.2023.2274978</a>
2023-2024	Choudhuri S, Sau K (2023) CodonU: A Python Package for Codon Usage Analysis. IEEE/ACM Transactions on Computational Biology and Bioinformatics. DOI: 10.1109/TCBB.2023.3335823.	UGC CARE Scopus	Dr. Keya Sau	DOI: <a href="https://doi.org/10.1109/TCBB.2023.3335823">10.1109/TCBB.2023.3335823</a>
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2022-2023	Das S (2022) Regulation of Matrix Metalloproteinases in Colorectal Cancer. International Journal of Scientific & Engineering Research, 13(11): 7-31.		Dr. Sudip Das	
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2022-2023	Thakur RK, Singh M, Patra S, Biswas PK, Bhowmik A (2023) Phytochemicals Identification Using GC-MS in Four Extracts of Fruit Peels and Enactment of Extracts Against Pseudomonas Aeruginosa	UGC CARE Scopus Web of Science (SCIE)	Dr. Mukesh Singh	<a href="https://doi.org/10.1007/s12649-023-02062-2">https://doi.org/10.1007/s12649-023-02062-2</a>

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2022-2023	Maiti S, Sinha SS, Suchowski H, Singh M (2023) Process parameter optimization for the detoxification of emerging environmental pollutant, PPD. Journal of Hazardous Materials Advances, 10:100290.		Dr. Mukesh Singh Dr. Swati Maiti	<a href="https://doi.org/10.1016/j.hazadv.2023.100290">https://doi.org/10.1016/j.hazadv.2023.100290</a>
2022-2023	Das GC, Das AK, Das D, Maity TR, Samanta A, Alasmay FA, Almalki AS, Iqbal A, Dolai M (2023) Ortho-Vanillin based multifunctional scaffold for selective detection of Al <sup>3+</sup> and Zn <sup>2+</sup> employing molecular logic with DFT study and cell imaging with live Grass pea. Journal of Photochemistry and Photobiology A: Chemistry, 7:114663.	UGC CARE Scopus	Dr. Tilak Raj Maity	<a href="https://doi.org/10.1016/j.jphotochem.2023.114663">https://doi.org/10.1016/j.jphotochem.2023.114663</a>
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2021-2022	Samanta A, Banerjee S, Maity TR, Datta S (2021) Assessment of Oxaliplatin and Carboplatin on some attributes of cell division in Lathyrus sativus L. Cytologia, 86(3):215–219.	UGC CARE Scopus Web of Science (SCIE)	Mr. Tilak Raj Maity	<a href="https://doi.org/10.1508/cytologia.86.215">https://doi.org/10.1508/cytologia.86.215</a>
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