

## Publication Report

Dr. Ria Mukhopadhyay

Assistant Professor,

Department of Agriculture

### Research Articles:

#### I. Publications

Sl. No.	Title	Author(s)	Journal, year, volume, page details with ISSN No.	Impact factor (I.F.) / NAAS rating
1.	Synthesis and characterization of copper nanoparticles stabilized with <i>Quisqualis indica</i> extract: Evaluation of its cytotoxicity and apoptosis in B16F10 melanoma cells.	<b>Ria Mukhopadhyay</b> , Jul ekha Kazi, Mita Chatterjee Debnath	Biomedicine and Pharmacotherapy (2018), 97, 1373-1385, 0753-3322	6.9 (I.F.)
2.	Identification of genes associated to $\beta$ -N oxalyl-L- $\alpha$ , $\beta$ -diaminopropionic acid and their role in mitigating salt stress in a low-neurotoxin cultivar of <i>Lathyrus sativus</i>	Deepak Kumar, Riman Saha Chaudhury, Kajal Mandal, Prajjwal Pradhan, Sampurna Bhattacharya, Bimal Das, <b>Ria Mukhopadhyay</b> , Victor Phani, Kantamraju Prudveesh, Sahanob Nath, Rupsanatan Mandal, Priyanka Boro	Plant Physiology and Biochemistry (2024), 207, 0981-9428	6.1 (I.F.)
3.	Turmeric ( <i>Curcuma longa</i> L.) rhizome extract mediated silver nanoformulation exhibits enhanced antifungal property against <i>Rhizoctonia solani</i> and boosts innate immunity of rice	Swathi Chintala, Rosalin Laishram, Prithusayak Mondal, Kumaresh Pal, Prudveesh Kantamraju, Srinjoy Ghosh, Kapudeep Karmakar, Hillol Chakdar, <b>Ria Mukhopadhyay</b> , Ramkrishna Sen, Ashok Choudhury, Somnath Mandal, , Nandita Sahana	Industrial Crops and Products (2023), 207, 0926-6690	5.6 (I.F.)
4.	Advances in the understanding of heat shock proteins	<b>Ria Mukhopadhyay</b> , Priyanka Boro, Kapudeep Karmakar,	Journal of Plant Biochemistry and Biotechnology	1.6 (I.F.)

	and their functions in reducing abiotic stress in plants	Prajwal Pradhan, Riman Saha Chowdhury, Bimal Das, Rupsanatan Mandal, Deepak Kumar	(2024), 0971-7811	
5.	<i>Trichoderma</i> : a beneficial antifungal agent and insights into its mechanism of biocontrol potential	<b>Ria Mukhopadhyay</b> and Deepak Kumar	Egyptian Journal of Biological Pest Control (2020), 30, 1110-1768	2.1 (I.F.)
6.	Gemcitabine co-encapsulated with Curcumin in folate decorated PLGA nanoparticles; a novel approach to treat breast adenocarcinoma.	<b>Ria Mukhopadhyay</b> , Ramkrishna Sen, Brahamacharry Paul, Julekha Kazi, Shantanu Ganguly & Mita Chatterjee Debnath	Pharmaceutical Research (2020), 37, 0724-8741	3.5 (I.F.)
7.	Garcinol encapsulated novel cationic nanoliposomal formulations: In vitro and in vivo study against B16F10 melanoma tumor model	Brahamacharry Paul, Raghuvir H Gaonkar, <b>Ria Mukhopadhyay</b> , Shantanu Ganguly, Mita Chatterjee Debnath, Biswajit Mukherjee	Nanomedicine (Lond.) (2019), 14, 2045-2065, 1743-5889	5.7 (I.F.)
8.	Transcriptomic profiling of Arabidopsis thaliana mutant pad2.1 in response to combined cold and drought stress.	Deepak Kumar, Riddhi Datta, Saptarshi Hazra, Asma Sultana, <b>Ria Mukhopadhyay</b> , Sharmila Chattopadhyay	PLoS ONE (2015), 10, 1932-6203	2.9 (I.F.)
9.	Integrated transcriptomic and proteomic analysis of Arabidopsis thaliana exposed to glutathione unravels its role in plant defense.	Ragini Sinha, Deepak Kumar, Riddhi Datta, Saptarshi Hazra, Dipto Bhattacharyya, Aparupa Bose Mazumdar, <b>Ria Mukhopadhyay</b> , Asma Sultana, Sharmila Chattopadhyay	Plant Cell, Tissue and Organ Culture (PCTOC) (2014), 120, 975-988, 0167-6857	2.3 (I.F.)
10.	Design of folate conjugated peptide linked nanoparticles loaded with 5- fluorouracil (5-FU), a potential new drug carrier for selective targeting of tumor cells	Julekha Kazi, <b>Ria Mukhopadhyay</b> , Ramkrishna, Tarun Jha, Shantanu Ganguly and Mita Chatterjee Debnath	MedChemComm (2019), 10, 2040-2503	

11.	Biocontrol potential of <i>Trichoderma</i> and <i>Pseudomonas</i> : A review	Bratati Mahapatra, Dipendu Ghosh and <b>Ria Mukhopadhyay</b>	International Journal of Advanced Biochemistry Research, (2024) 8(4S): 129-132, 2617-4707	5.29 (NAAS rating)
12.	<i>Azadirachta indica</i> : A source of potential antibacterial activity against various bacterial strains	Dipendu Ghosh, Bratati Mahapatra and <b>Ria Mukhopadhyay</b>	International Journal of Advanced Biochemistry Research, (2024) 8(4S): 48-50, 2617-4707	5.29 (NAAS rating)
13.	The warming world and it's impact on phytopathogens and insects	Tamalika Kumari, Milan Ghosh and <b>Ria Mukhopadhyay</b>	International journal of Research in Agronomy (2024), 7:101-104, 2618-0618	5.20 (NAAS rating)
14.	A review on important diseases of rice in West Bengal	Dipanjnan Mondal, Sheikh Rameez Akhtar and <b>Ria Mukhopadhyay</b>	International journal of Research in Agronomy (2024), 7:67-70, 2618-0618	5.20 (NAAS rating)
15.	Zebra chip and purple top: An overview on two emerging diseases of potato	Milan Ghosh, Tamalika Kumari and <b>Ria Mukhopadhyay</b>	International journal of Research in Agronomy (2024), 7: 63-66, 2618-0618	5.20 (NAAS rating)
16.	Isolation and selection of some antagonistic <i>Trichoderma</i> species from different new alluvial zones of Nadia district, West Bengal	<b>Ria Mukhopadhyay</b> , and Sitansu Kumar Pan	Journal of Botanical Society of Bengal (2012), 66(2); 149-152	
17.	Effect of biopriming of radish ( <i>Raphanus sativus</i> ) seeds with some antagonistic isolates of <i>Trichoderma</i>	<b>Ria Mukhopadhyay</b> , and Sitansu Kumar Pan	Journal of Botanical Society of Bengal (2012). 66(2); 157-160	

Title	Author(s)	Year of Publication	Pages	Publisher	ISBN No.
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A Concept Note On Bio-Pesticides and Bio-Fertilizers	Praveen Boddana, <b>Ria Mukhopadhyay,</b> and Abhinandita Sahoo	2020	26	Notion Press	978-1636691398
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## II. Book

## III. Book chapters

Name of the Book	Name of the Chapter	Publisher	Year
Microplastic Pollution	Reports of Actinomycetes to Degrade Microplastic, <b>Ria Mukhopadhyay</b> and Koushik Biswas	Springer Nature Singapore	2024
Genomics Data Analysis for Crop Improvement	Basics of the Molecular Biology: From Genes to Its Function, <b>Ria Mukhopadhyay</b> , Sahanob Nath, Deepak Kumar, Nandita Sahana, and Somnath Mandal	Springer Protocols Handbooks	2024
Nanozymes in Medicine. Environmental Chemistry for a Sustainable World	Nanozymes for improving anticancer therapy, Prithusayak Mondal, Somnath Mandal, Nandita Sahana, Victor Phani, Kapudeep Karmakar, Deepak Kumar, <b>Ria Mukhopadhyay</b> & Goutam Kumar Pandit	Springer, Cham	2023

## IV. Patents

Category of achievement	Title	Year	Status
Patent Publication	An anti-fungal formulation with a synergistic mixture of extracts rich in ethyl gallate and propyl gallate	2023	Patent published