

Department of Biotechnology

Faculty Publication (Book, Book Chapter, Patent)

Faculty publication (Book / Book Chapter) details:

AY	Name of the Teacher	ISBN Number	Bibliography
2023-2024	Dr. Sucheta Das Maji Dr. Shamba Chatterjee	978-981-99-2710-4	Chakrabarti P, Das S, Chatterjee S (2023) Current Exploration in Microfluidics-Based Point-Of-Care Biosensor Applications: A Review. In International Conference on Communication, Devices and Computing (pp. 139-148). Singapore: Springer Nature Singapore.
2022-2023	Dr. Shamba Chatterjee	978-93-91355-15-9	Chatterjee D, Das S, Haldar A, Haldar A, Chatterjee S (2022) Rapid Diagnostics Tools of COVID-19 Disease Management: A Systematic Review. Business Perspectives in Reviving Workforce Productivity in the Current Volatile and Uncertain Times. Excel India Publishers.
2022-2023	Dr. Subhasish Dutta	978-981-16-9001-3	Joardar I, Dutta S (2022) Bioremediation Approaches and the Role of Microbes in the Bio-sustainable Rehabilitation of Polluted Sites. Biotechnological Innovations for Environmental Bioremediation (pp. 189-202). Springer, Singapore.
2022-2023	Dr. Shamba Chatterjee Dr. Sucheta Das Maji	978-967-2819-07-3	Chatterjee S, Das S (2022) Role of Probiotics on skin health. Modern Approaches in Chemical and Biological Sciences (pp. 33-40). Lincoln University College, Malaysia.
2022-2023	Dr. Suvroma Gupta	978-967-2819-07-3	Bhattacharjee A, Maity P, Choudhuri S, Gupta S (2022) Treatment for COVID-19: Current Therapy and Challenges. Modern Approaches in Chemical and Biological Sciences (pp. 74-86). Lincoln University College, Malaysia.
2022-2023	Dr. Subhasish Dutta	978-3-11-078837-2	Dutta S, Bhattacharjee J, Chakraborty S (2022) Exploring the potential extremophilic microbes for bioremediation. Extremophiles: A Paradox of Nature with Biotechnological Implications (pp. 383). Walter-de Gruyter GmbH, Berlin, Germany.
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2022-2023	Dr. Sucheta Das Maji Dr. Swati Maiti	978-81-958341-2-9	Kumar V, Das Maji S, Maiti S (2023) Production of Biodiesel and Hydrogen storage material from Chicken Feathers. Education in Chemical Science and Technology: Emerging Trends & Application of Green Technology for Sustainable Development (Volume 12, pp. 143-149). Indian Chemical Society.
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2021-2022	Dr. Subhasish Dutta	978-0-323-85657-7	Dutta S, Chakrabarti P (2022) An approach toward developing clean green techniques to deal with heavy metal toxicity using the microbiome. Development in Wastewater Treatment Research and Processes (pp. 23-40). Elsevier.
2021-2022	Dr. Subhasish Dutta	978-0-323-85657-7	Dutta S, Bhattacharjee J (2022) A comparative study between physicochemical and biological methods for effective removal of textile dye from wastewater. Development in Wastewater Treatment Research and Processes (pp. 1-21). Elsevier.
2021-2022	Dr. Subhasish Dutta	978-0-323-90697-5	Joardar I, Kundu A, Gorai J, Dutta S (2022) Impacts of bioenergy for the diminution of an ascending global variability and change in the climate. Microbiome Under Changing Climate (pp. 187-202). Woodhead Publishing.
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2021-2022	Dr. Subhasish Dutta	978-0-323-85839-7	Dutta S, Laha S (2022) An approach toward the biodegradation of PAHs by microbial consortia. Development in Wastewater Treatment Research and Processes (pp. 383-406). Elsevier.
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2021-2022	Dr. Suvroma Gupta	978-620-4-95722-7	Gupta S (2022) Cellulose and Biofuels: An intertwined story. Lambert Academic Publishing.
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2020-2021	Dr. Shamba Chatterjee Dr. Sucheta Das Maji	978-0-6488798-2-4	Chatterjee S, Das S (2021) Interdisciplinary Education Trends in School and Higher Education: A Review. Advances in Science Education:12. Lincoln Research and Publications Limited, Australia
2020-2021	Dr. Suvroma Gupta Dr. Mukesh Singh Mrs. Ahana Bhaduri	978-0-6488798-0-0	Bose A, Bhaduri A, Gupta S, Singh M (2021) L-Asparaginase: Challenges and Development of Next Generation ASNase Therapeutic Molecule. Emerging Concepts in Chemical and Biological Sciences. (pp. 1-8). Lincoln Research and Publishing Limited, Australia in collaboration with Lincoln University College, Malaysia.
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Patents:

Invention Title	Inventor(s)	Application Number	Publication Date
Portable Plant Tissue Culture Box	Dr. Aweek Samanta, Mr. Subir Samanta, Mr. Sanjib Kumar Samanta, Dr. Tilak Raj Maity, Dr. Siraj Datta	202331042470	1 December, 2023
A cost effective LED modulated in vitro mass production system for plants	Dr. Tilak Raj Maity, Dr. Siraj Datta	202331062482	6 October, 2023

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Plant based Bioassay system for Screening Anti-Cancer Lead Molecules	Dr. Aweek Samanta, Dr. Siraj Datta, Dr. Tilak Raj Maity	L-138894/2023	19 December, 2023