

Department of Biotechnology

List of final year project details

AY	Title of Project	Name of Students	Name of Supervisor
2022-2023	Precision medicine and rare disease: Opportunities and challenges	Asmita Biswas, Anjali Raj, Subharthi Mitra	Dr. Keya Sau
2022-2023	CodonU: A python package for codon usage a analysis	Souradipto Choudhuri	Dr. Keya Sau
2022-2023	Role of acetylcholinesterase inhibitors in treatment of neurodegenerative disease	Aniruddha Basu, Devleena Biswas, Pathoja Maity	Prof. Suvroma Gupta
2022-2023	Web development	Rana Satjay Pal	Prof. Suvroma Gupta
2022-2023	The new generation algae <i>Desmodesmus intermedius</i>	Swagata Gupta	Dr. Mukesh Singh
2022-2023	A multifaceted strategy for preventing spoilage and preserving fish	Aniket Narayan Rajak, Arif Shahnwaz	Dr. Mukesh Singh
2022-2023	Mutational analysis of CFTR gene	Satyaki Pahari	Dr. Mukesh Singh
2022-2023	Fertilizer: Industrial perspective and its future scenerio	Suniket Bhowmik, Mitasha Dutta, Ushashi Saha Choudhury, Ishika Kumar	Dr. Shamba Chatterjee
2022-2023	Study of antimicrobial resistance in a tertiary health care facility	Krishnanu Chowdhuri, Satarupa Deb Sinha	Dr. Sucheta Das Maji
2022-2023	Isolation and characterization of heavy metal tolerant bacteria for potential bioremediation	Eshika Das, Nabanita Bhowmik	Dr. Sucheta Das Maji
2022-2023	Application of nanotechnology : future generation vaccine	Kousik Das	Dr. Swati Maiti
2022-2023	Biosensor development for detecting heavy metal using microbes	Abhro Das	Dr. Swati Maiti
2022-2023	Application of fungal bioplastic production -A Review	Aryaka Bhunia	Dr. Swati Maiti
2022-2023	Role of matrix metalloproteinases in the regulation s of Rheumatoid arthritis herbal medicine	Anwasha Bhattcharjee	Dr. Sudip Das
2022-2023	Plant based biofuels	Deblina Pahan, Dipannita Biswas, Indrani Roy, Priya Parta	Dr. Tilak Raj Maity
2022-2023	In Silico analysis of L-asparaginase : insights into druggability for acute Lymphoblastic Leukemia	Eshna Dutta	Mrs. Ahana Bhaduri
2022-2023	A role L- asparaginase in acrylamide content moderation in food products	Achintya Choudhury, Oitrika Bhuniya, Sayantan Halder	Mrs. Ahana Bhaduri

2022-2023	Inactivation and removal of HIV from human IVIG	Subhankar Roy	Dr. Sudhansu Sekhar Choudhury
2021-2022	Exahulation of antimicrobial potential of extract of parts Drumstic tree (Moriba Oleifera) a comprtive assment	Asmita Kundu, Bratin Mandal, Jayeeta Ghorai, Sushobhan Dutta	Prof. Suvroma Gupta
2021-2022	Role of matrix metalloproteinases and their inhibitors in cancer.	Mayurakshi Paul, Subhadip Sadhukhan, Umit Samanta, Soham Majumdar	Dr. Sudip Das
2021-2022	In silico identification of the crucial interface residues of Staphylococcus epidermidis encoded RsbW involved in self --association and interaction with cognate proteins : Implication in drug dicoverly	Jayani Bhattacharjee, Rahul Dey, Rituparna Dey, Sangeeta Mandal	Dr. Keya Sau
2021-2022	Parameter optimization for enhanced alginate lyase enzyme production : plausible application in cystic fibrosis	Ishani Jowardar, Pratyakasha	Dr. Mukesh Singh
2021-2022	Utilization and assimilation of inorganic carbon using microalgae and production of Biomass	Santanu Saha, Srijita Das	Dr. Mukesh Singh
2021-2022	Phosphate solubilisation using phosphate solubilizing microorganisms	Aayush Dutta Guin, Kajori Chakraborty, Ankita Biswas	Dr. Sucheta Das Maji
2021-2022	Current Rapid diagnostics tools of COVID -19 Disease management & its market impact	Debangi Chatterjee, Arijit Halder, Anamika Halder	Dr. Shamba Chatterjee
2021-2022	Survey on disposal of pharmaceuticals and personal care products (PPCP)s for research	Tanushree Nath	Dr. Swati Maiti
2021-2022	Toxicological effect of PPD in the presence of metal ions	Ankita Das, Sourin Sikdar	Dr. Swati Maiti
2021-2022	Detoxification and generation of Bioelectricity from hair dye waste water using microbial fuel cell	Ankan Das	Dr. Swati Maiti
2021-2022	Modern day cultivation technique : Hydroponic System	Sutanaya Banerjee, Subarno Kar, Santanu Maity, Bidisha Ganguly	Mr. Tilak Raj Maity
2021-2022	Enzymatic biofuels cells	Pallabi Malakar, Sudipa Paul, Nikunj Kumar, Rohit Kumar	Mrs. Ahana Bhaduri
2021-2022	Identification and partial purification of L- Asparaginase from Pseudomonas aeruginosa	Saitat Pramanik, Sourjadeep Mandal	Mrs. Ahana Bhaduri, Dr. Sudip Das
2021-2022	Exahulation of antimicrobial potential of extract of parts Drumstic tree (Moriba Oleifera) a comprtive assment	Asmita Kundu, Bratin Mandal, Jayeeta Ghorai, Sushobhan Dutta	Prof. Suvroma Gupta, Dr. Mukesh Singh
2021-2022	Antimicrobial resistance	Swapnil Chakraborty, Suchismita Das	Dr. Sucheta Das Maji, Dr. Shamba Chatterjee

2020-2021	Vaccine development against COVID 19: A comparison of details, advantages, and challenges	Sagar Ghatak, Deblina Sinha, Suman Chandra, Anamitra Biswas	Dr. Shamba Chatterjee
2020-2021	In silico drug modelling and selection of potential inhibitors for SARS-COV2 targets	Syan Laha, Pitam Chakraborty	Mrs. Ahana Bhaduri
2020-2021	Virtual Screening of phytochemicals from Indian medical plants against the receptor binding domain of the spike protein of SARS-CoV-2	Dipanjana Dolui	Dr. Mukesh Singh
2020-2021	Production of bioethanol recent advances and its future prospect	Pragati Sharma, Honey Kumari	Mrs. Ahana Bhaduri
2020-2021	Role of Matrix metallo proteinases in Arthritis	Shampurna Pattanayak, Tamraparna Gosh, Taniya Rahman, Mahi Modi, Santanu Chakraborty	Dr. Sudip Das
2020-2021	A comprehensive survey of different pesticides usage in the agricultural fields of East Midnapore, West Bengal, India	Shreya Hazra, Kusul Debnath	Dr. Mukesh Singh, Dr. Suvroma Gupta
2020-2021	Comparative study of binding properties of insecticides and acetylcholinesterase in human and insects	Dhansree Vakharia, Sushmita Sen	Dr. Mukesh Singh
2020-2021	Strategies used to combat with Covid 19 pandemic	Triparna Mukherjee, Shiladitya Khatua, Riya Mukherjee, Asmita Chatterjee	Dr. Sucheta Das Maji
2020-2021	Phytochemical evaluation of Ginger and evaluation of Antismoking herb using molecular docking	Khusbu Saha, Riya Dutta, Sinjini Brahma, Amartya Karmakar	Dr. Siraj Datta, Mr. Tilak Raj Maity
2020-2021	Relation between Type II and other Diseases	Pradipta Ghosh, Riddhi Mazumdar, Sabhrajyoti Dasgupta	Dr. Swati Maiti
2020-2021	Sustainable technology : Foresight to green ecosystem	Akash Manna, Aindrilla Dutta, Ankit Sarkar, Debanko Das	Dr. Subhasish Dutta
2020-2021	Quest for the binding domain of antidiabetic drugs: a bioinformatic based approach	Adrija Bose, Debraj Maji	Prof. Suvroma Gupta
2020-2021	Relation between Diabetes Type II and other Diseases	Monisweta Ghorai	Dr. Swati Maiti
2020-2021	Scientific aspects of common medicinal plants to fight against COVID-19	Debjit Dhar, Arunima Sinha, Divyangana Lahiri, Bhaskar Mahata	Mr. Tilak Raj Maity
2020-2021	Relation between SARS-Cov -2 & Human immune system	Aditi Paladhi, Atisuya Mondal, Monojit Kamilya, Soujanya Ghosh	Dr. Sucheta Das Maji
2020-	synonymous codon usage analysis and gene	Tanmay Shil, Pritam Saha,	Dr. Keya Sau

2021	expression: Staphylococcus aureus	Niladri Pradhan, Indranil Adhikari	
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