

Haldia Institute of Technology
Department of Biotechnology

A.Y. 2025-26

Name of the Supervisor	Roll No.	Name	Project title	SDGs	POs	PSOs
Prof. Subrata Trivedi	10300422004	ANISHA SARKAR	Study on genetic diversity of Indian cattle using mitochondrial DNA sequences	4, 9, 17	2, 4, 5, 7, 8	1, 2
	10300422013	DISHA BISWAS				
	10300422017	MEGHANANDA GAYEN				
	10300422049	SUPRIYA				
	10300422035	SAYAN JANA	The global dynamics of non-conventional food: innovation, trends and regulatory framework	3, 4, 17	1, 2, 3, 7, 8	1, 2
Prof. Sugata Manna	10300422051	TRISROTA DHAR	RT-q PCR based profile of circulating in neuroendocrine tumor patients undergoing part	3, 4	1, 2, 4, 7, 8	1, 2
Dr. Sudip Das	10300422015	JAHANVI CHHAJER	Evaluating a possible non-canonical oncogenic cancer behaviour of Aridib in cancer types	3, 4, 11, 12	2, 4, 6, 7, 8	1, 2
	10300422018	NABAGATA SAHA	Insight into the role of matrix metalloproteinases in cancer and the therapeutic strategies therein	3, 4, 11, 12	2, 4, 6, 7, 8	1, 2
	10300422041	SOUMALYA KARMAKAR	The role of matrix metalloproteinase in periodontitis with or without hyperglycaemia	3, 4, 12	2, 4, 6, 7, 8	1, 2
	10300422045	SREEJANI BOSE				
	10300422048	SUHITA SARANGI				
Dr. Sucheta Das Maji	10300422010	AYAN DAS	Synergistic effect of selected herbal extracts with sub-inhibitory antibiotic concentration against clinical bacterial isolates.	3, 9, 11, 12	1, 2, 3, 6, 8	1, 2, 3
	10300422040	SOUMAJIT MAITY				
	10300422052	ZEUS DAS				

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	10300422011	BIVASHA DEY	Study of probiotic formulation and characterization	3, 9, 11, 12	1, 2, 3, 6, 8	1, 2
	10300422032	SAPTARSHI MUKHERJEE				
	10300422037	SHREYA MITRA	Non refrigerated shelf-life enhancement of fruits and vegetables using natural edible composite coating	7, 9, 11	2, 3, 6, 8	1, 2, 3
	10300422050	SURITI MANNA				
Dr. Shamba Chatterjee	10300422006	ANKAN NASKAR	Developing an obesity prediction ML Model based on lifestyle data	4, 9, 11	2, 4, 5, 6, 7, 8	2, 3
	10300422009	ARKAJYOTI MAHANTA				
	10300422021	POULAMI SEN				
	10300422028	SAMPOORNA SAHA				
Dr. Swati Maiti	10300422007	ANWIKSHA SUPAKAR	Sustainable detoxification and energy recovery from wastewater through microbial fuel cell	6, 7, 9, 11, 15, 17	1, 2, 4, 5, 6, 8	2, 3
	10300422008	ARANYA HAZARI				
	10300422012	DEBANJANA BARDHAN				
	10300422022	PRATYASHA DAS				
	10300422033	SARANNYA DAS				
Dr. Tilak Raj Maity	10300422003	ALAPAN DAS	Vertical farming and hydroponics: solution for urban food security	3, 7, 11, 15	1, 2, 3, 6, 8	1, 2
	10300422014	HARI OM KUMAR				
	10300422016	JAYASMITA JANA				
	10300422023	PRIYAJIT DAS				
	10300422024	PRIYAJIT DAS				
	10300422031	SANTRIPTI				
Mrs. Ahana Bhaduri	10300422025	RAJDEEP BOSE	Development of chitosan-starch hydrogel for therapeutic delivery	4, 9, 11, 12, 17	1, 2, 4, 6, 8	1, 2, 3
	10300422036	SAYANTAN GHOSH				
	10300422029	SANJUKTA SAHA	Advancements in protein purification from traditional to modern techniques	4, 9, 17	1, 2, 3, 8	
	10300422047	SUBHASHREE PATRA				

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	10300422038	SHREYASEE KAR	Artificial intelligence in protein purification: recent advances, applications, challenges and future perspective.	4, 9	2, 4, 8	2
Dr. Chetan	10300422002	ADRIKA SARKAR	Umbilical cord derived hematopoietic stem cells for the treatment of leukemia	3, 4, 11	2, 4, 6, 7, 8	1, 2
	10300422005	ANKAN DAS	Cellular and vascular dynamics in tissue engineering: Principles, challenges, and advance	3, 4, 9	1, 2, 3, 8	1
	10300422026	RAMIZUDDIN MONDAL	Evaluating cerium oxide nanoparticles bioactivity in bone tissue regeneration	3, 8, 9, 12, 17	2, 3, 6, 7, 8	1, 2, 3
	10300422046	SUBHANKAR ROY	The role of cerium -based compounds in enhancing wound healing: mechanisms, applications, and limitation	3, 9, 17	2, 4, 8	2, 3
Mr. Kamallesh Roy	10300422020	PARTHA SAMANTA	Interaction study of wild & mutated p53 with MDM2-A bioinformatic approach	3, 4, 9, 17	1, 2, 4, 5, 7, 8	1, 2
Dr. Prithwi Chayan Chatterjee	10300422030	SANNIDHYA BANERJEE	Microbial communities in environmental wastes and their functional roles.	7, 11, 13, 15	1, 2, 6, 8	1, 3
Ms. Deepa Goswami	10300422044	SOUMYADIP MISHRA	Textile dye decolorization using a bacterial strain isolated from the environment	6, 9, 11, 13, 15, 17	1, 2, 8	1
Joint supervision (Prof. Sugata Manna & Dr. Shamba Chatterjee)	10300422019	NEHA PRIYA	Quantitative analysis of aflatoxin in spices, antioxidant in oils using HPLC & heavy metal contamination in oils and spices using ICP-MS	3, 9, 11, 12	2, 4, 5, 8	1, 2, 3
	10300422027	RANI SINGH				

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Name of the Supervisor	Roll No.	Name	Project title	SDGs	POs	PSOs
Prof. Susobhan Das	10300421026	SHALINI CHOWDHURY	Bridging the gaps in Indians COVID-19 response landscape	3, 4, 12	2, 6, 7, 8	1, 2
	10300421030	SOUMILI GHOSH				
	10300422001	SAGARIKA DOLUI				
Prof. Subrata Trivedi	10300421008	ARNAB CHATTOPADHYAY	Decoding the complete chloroplast genome of <i>Carissa carandus</i>	4, 17	1, 2, 4, 5, 6, 8	1, 2
	10300421025	SAYAN MANNA				
	10300421033	TISTA CHAKRABORTY				
Dr. Sudip Das	10300421004	ANANYA GHOSAL	Matrix metalloproteinase in periodontitis with type 2 diabetes	3, 4, 11, 12	1, 2, 3, 6, 8	1, 2
	10300421015	DEBJEET CHAKRABORTY				
	10300421020	NISHA NATH				
Dr. Sucheta Das Maji	10300421009	ARPAN DAS	Development and evaluation of probiotic enriched chocolate	3, 9, 11, 17	1, 2, 4, 6, 7, 8	1, 2, 3
	10300421010	ARPITA SEN				
	10300421016	DOROTHY GHOSH				
Dr. Shamba Chatterjee	10300421003	ADITYA CHATTOPADHYAY	Pioneering generative AI digital twins for precision insights into autoimmune disease trajectories	3, 9, 17	2, 4, 5, 7, 8	2, 3
	10300421011	ASHMITA BARDHAN				
Dr. Swati Maiti	10300421002	ADHIRAJ NANDI	Liquid glucose production from corn	7, 8, 9, 11, 13, 17	1, 2, 6, 8	2, 3

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	10300421022	SANDIPAN NAG	Design of sustainable carbon nanoparticles for keratin binding	4, 8, 9, 17	1, 2, 4, 5, 6, 8	1, 2
	10300421024	SANWAY MANDAL	Enhanced heart fatality failure fatality risk prediction using advanced machine learning ensemble models	3, 4, 9, 11, 13, 17	1, 2, 4, 5, 6, 8	2, 3
	10300421032	TANVEER	Terahertz Time -Domain Spectroscopy for Quantitative Analysis of Glucose in Polystyrene Matrices	4, 9, 17	2, 4, 5, 8	1
Dr. Tilak Raj Maity	10300421014	DEBANKANA BOSE	Next generation green technology for sustainable agriculture.	7, 8, 9, 11, 13, 17	1, 2, 6, 8	1,2
	10300421018	MAINAK DAS				
	10300421031	SURAVI PAL				
Mrs. Ahana Bhaduri	10300421017	KOUSTAV KUSHARY	Chitosan based gentamycin hydrogel patch: A novel approach for targeted drug delivery and enhanced wound healing	8, 9, 11, 12, 17	2, 4, 6, 8	3
	10300421023	SANGRAM MUKHERJEE				
	10300421027	SHREYAS KUNDU				
Dr. Chetan	10300421006	ANKIT MAJUMDAR	Dissolving Microneedles for Transdermal Drug Delivery	4, 9, 11, 17	2, 6, 7, 8	2, 3
	10300421012	ASMITA PAUL	Hydrogels in Scar Tissue Mitigation	4, 7, 9, 11, 17	2, 4, 6, 7, 8	2, 3
	10300421019	NILOTPAL MAITY	Nanotechnology for angiogenesis in vascular tissue engineering	4, 7, 17	2, 6, 8	1, 2
Dr. Nabanita Roy Chattopadhyay	10300421005	ANKAN ROY	Effects of carbonated beverages on chromosomal integrity	3, 4, 12	2, 7, 8	1, 2
	10300421013	CHAYANI MUKHERJEE				
	10300421028	SHRISTEELATA JANA				

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Name of the Supervisor	Roll No.	Name	Project title	SDGs	POs	PSOs
Dr. Sudip Das	10300420010	KAUSTAV DEY	Production of Biodiesel using ethanol fermentation	7, 8, 9, 11, 13, 15	1, 2, 3, 6, 7, 9	2, 3
	10300420011	MD. SAMMI HUSSAIN				
	10300420022	SOUGATA SARKAR				
Dr. Keya Sau	10300420003	ANIK MUKHERJEE	Statistical correlation between heart and dietary habits among adults	3, 4, 9, 11, 13, 17	2, 4, 5, 8, 9	3
	10300420009	HOIMANTI GUPTA BHAYA				
	10300420016	RANIT KUMAR NASKAR				
	10300420027	SUNANDITA MAITY				
Dr. Sucheta Das Maji	10300420008	FAIJAN ALI MONDAL	Effect of plant extract on food preservation	3, 7, 9, 11, 15	1, 2, 3, 6, 9	2, 3
	10300420012	OISHANI BHATTACHARYA				
	10300420017	RITASHREE BANDYOPADHYAY	Study of microplastic induced antibiotic resistance in <i>Escherichia coli</i>	3, 6, 12	2, 3, 6, 7, 9	2
	10300420019	SANCHARI RANA	Modulation of the gut brain axis: The therapeutic potential of probiotics and prebiotics in psychological and neurological disorders	3, 9, 11, 17	1, 2, 3, 9	2
	10300420026	SUKANYA BANERJEE				
Dr. Shamba Chatterjee	10300420006	ARITRA KARMAKAR	Dengue management in India	3, 6, 11, 15	2, 6, 7, 9	1
	10300420021	SHUBHAM SHRI				
	10300420029	VISHAL KUMAR				
	10300620082	SAUMASHREE DE				
Dr. Swati Maiti	10300420004	ANSHIKA BASAK	Recent advancement in hair dyeing	8, 9	1, 2, 9	1
	10300420024	SOURENDU DE				
	10300420013	PRAMITA SAHA	Toxicological assessment of carbon dots: implication s for cell imaging	3, 8, 9	2, 4, 8, 9	2, 3

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Dr. Tilak Raj Maity	10300420005	ARITRA BISWAS	Evaluation of antioxidant activity of Ethanolic root peel extract of <i>Potentilla fulgens</i>	3, 11, 15, 17	1, 2, 3, 6, 7, 9	2, 3
	10300420020	SAYAK GHOSH				
	10300420023	SOUMYA KANTA HATI				
	10300420028	TANNY SAHA	Medicinal and anti-inflammatory activities of <i>Piper nigrum L</i>	3, 9, 11, 15	1, 2, 3, 6, 7, 9	2, 3
Mrs. Ahana Bhaduri	10300420001	AHELI DAS	Biocatalytic breakdown: Unveiling the potential of enzymes in plastic degradation	4, 7, 9, 15	2, 6, 7, 9	1, 2
	10300420007	DISHA SINHA MAHAPATRA				
	10300420018	ROHIT DOLAI				
	10300420025	SREEJITA PANDA	Isolation and biochemical characterization of proteases producing bacteria from soil isolate	4, 7, 11	2, 3, 9	1, 2
	10300420014	PRIYADARSHI MUKHERJEE				
	10300420015	RADHA SANKAR MAL				