

# Dissertation

## Applied Microbiology (A.B: - 2023-2025)

Roll No	Name	Title	Guide	Remark
14754U234001	ANJANEYA PRASAD RAYGURU	Screening of probiotic potential of <i>Lactobacillus</i> strains Isolated from curd.	Dr. Diptipriya Sethi	
14754U234002	ANUSAYA NAYAK	Isolation And Characterization Of Cellulolytic Bacteria From Buddha Park And Evaluation Of Its Cellulase Production Potential	Dr Rashmi Ranjan Mishra	
14754U234003	CHINMAYEE MALLICK	Isolation and Characterization of Halotolerant Plant growth-promoting Bacteria from Mangroves of Bichitrapur	Dr. Mousumi Mishra	
14754U234004	DIBYARANJAN SAHOO	Screening of endophytic bacteria of <i>Sweratia chirayita</i> for antimicrobial activity.	Dr. Mousumi Mishra	
14754U234005	JAGAT JANANI SINGH	Isolation of plant growth Promoting Bacteria from termite mound soil	Dr. Mousumi Mishra	
14754U234006	JANHAVI JHA	Molecular characteristics of ESBL producing <i>Klebsiella pneumonia</i> isolated from hospital, Odisha, India.	Dr. Saubhagini Sahoo	
14754U234007	KIRTI BARDHAN SAMAL	Isolation and characterization of novel bacterial endophytes from <i>Talinum cuneifolium</i>	Dr.Rudraksh Shovan Panda	
14754U234008	MANASIRANI TRIPATHY	A study on microbial load in packaged frozen vegetable available in the market	Dr. Mousumi Mishra	
14754U234009	MRUTYUNJAYA MOHAPATRA	Isolation of a cellulolytic bacterium soil sample and optimization of its cellulase production	Dr Rashmi Ranjan Mishra	
14754U234010	NEETI KUMARI	Production and Characterization of marine-based bioplastics by PHB accumulating microorganisms from Mangrove soil	Dr. Diptipriya Sethi	
14754U234011	PRACHI MOHANTY	Optimization of pretreatment for bioethanol production from corn husk	Miss Barsha samantaray	
14754U234012	PRACHURYA MISHRA	Isolation and characterisation of alkaline protease producing microbes from mangrove sediments	Dr. Diptipriya Sethi	
14754U234013	PRATIKSHYA ROUT	Study the Genetic diversity of <i>Klebsiella pneumoniae</i> collected from a tertiary hospital of Bhubaneswar	Dr. Subrat Kumar Kar	

14754U234014	RITIKA NAYAK	Isolation of cellulase producing bacteria from gastrointestinal tract of fish and evaluation of its probiotic potential	Dr. Rashmi Ranjan Mishra	
14754U234015	RUPASHREE BEHERA	Isolation and molecular identification of lactic acid bacteria from fermented rice and evaluation of its probiotic potential	Dr. Rashmi Ranjan Mishra	
14754U234016	SHIBANEE MISHRA	Molecular characterisation of Escherichia coli by using RAPD and ISSR markers collected from a tertiary hospital , Bhubaneswar	Dr. Subrat kumar kar	
14754U234017	SIKTA SAMANTA	Isolation And Identification Of Laccase Producing Bacteria From Soil And Evaluation Of Its Dye Decolorization Potential	Dr. Rashmi Ranjan Mishra	
14754U234018	SIMRAN BEHERA	Microbial Degradation of Textile Dye by Halotolerant Microbes	Dr. Mousumi Mishra	
14754U234019	SMRUTIRUPA BISOYI	Microbial bioremediation of chromium from contaminated soil using indigenous chromium resistance bacteria	Dr. Diptipriya Sethi	
14754U234020	SOMALI SAHOO	Isolation and identification of spoilage of microorganisms in Milk	Dr. Diptipriya Sethi	
14754U234021	SUBHASMITA MALIK	Characterization and antibacterial activities of copper nanoparticles prepared from <i>Talinum cunelifolium</i> through green synthesis method.	Dr. Rudrakshya Sovan Panda	
14754U234022	SUMAN KUMAR NAYAK	Cultivation, biochemical characterization, and upscaling of Chlorella sp.	Er. Sathish R. , Principal scientist, CSIR-IMMT	
14754U234023	SUSHREE MATRUSUDHA BISWAL	Characterization of amylase enzyme from bacteria isolated from fruit pulp	Dr. Rashmi Ranjan Mishra	
14754U234024	SWAGATIKA PRIYADARSINI	Screening of Endophytic bacteria of <i>Calotropis gigantea</i> for antimicrobial activity	Dr. Mousumi Mishra	

# M.Sc. BT. Sem. 4(2023-25) Review Presentation

## Paper-403

Roll No.	Name	Name of Guide	Topic	Remark
15254U234001	AISWARYA SWAIN	Dr. Diptipriya Sethi	Exploring Bacteriocins from Lactic Acid Bacteria Isolated from Curd Against Food Spoilage microorganisms	
15254U234002	ANSHIKA ANANYA PANIGRAHY	Dr. Mousumi Mishra	Effects of Halotolerant plant growth promoting bacteria isolated from bichitrapur mangrove on vigna mungo	
15254U234003	ARPITA DAS	Dr. Rudraksh Sovan Panda	DEVELOPMENT OF MICROPROPAGATION PROTOCOL FOR PINEAPPLE Ananas comosus	
15254U234004	BANSHITA ROUT	Dr. Saubhagini Sahoo	Tracking the Spread of Carbapenem-Resistant <i>Klebsiella pneumoniae</i> in an Urban River System: A Molecular Epidemiological Study	
15254U234005	BIJAYASHREE NAYAK	Dr. Rudraksh Shovan Panda	Establishment of an efficient micropropagation system for Holy Basil ( <i>Oscimum Sanctum</i> L.)	
15254U234006	CHANDAN UTHAN SINGH	Dr. Mousumi Mishra	Antimicrobial activity of endophytes isolated from calotropis gigantea	
15254U234007	DIPTI RANJAN PANDA	Dr. Rudraksh Shovan Panda	Invitro Micropropagation of Saraca asoca	
15254U234008	GAYATRI KHUNTIA	Dr. Siddharth Parida	Role of TDZ in the quick regeneration of multiple shoots from nodal explants of <i>Bacopa monnieri</i> L	
15254U234009	INDIRA MANASMINI MANASINGH	Dr. Rashmi ranjan Mishra	optimization of chemical pre treatment yeast co culture fermentation for Bioethanol production from corn husk	
15254U234010	IPSITA KABI	Dr. Rashmi ranjan Mishra	Isolation, Screening and Optimisation of Tannase enzyme from bacteria isolated from tannin rich soil	
15254U234011	IPSITA NAYAK	Dr. Saubhagini Sahoo	Molecular Basis of Elucidation of Colistin Resistant Gene(LpxD) In Multidrug Resistant <i>Elizabethkingia anophelis</i>	
15254U234012	JAGAT YADAV	Dr. Rashmi Ranjan Mishra	ISOLATION AND IDENTIFICATION OF LACTIC ACID BACTERIA FROM FERMENTED RICE AND EVALUATION OF	

			ITS PROBIOTIC POTENTIAL	
15254U234013	LAXMIPRIYA MISHRA	Dr. Subrat Kumar Kar	Molecular characterization of saraca asoca of odisha by using RAPD and ISSR markers	
15254U234014	LIPSA SAMANTARAY	Dr. Moushumi Mishra	SCREENING OF ENDOPHYTIC MICROBES OF Swertia chirayita	
15254U234015	LITAN PRADHAN	Dr. Diptipriya Sethi	Photocatalysis-Mediated Antimicrobial Effects of Zinc Oxide Nanoparticles	
15254U234016	MADHUSMITA MALL	Dr. Mousumi Mishra	Assesment of bacterial load and characterization of strains isolated from Frozen Meat and Fish	
15254U234017	MADHUSMITA ROUT	Dr. Subrat Kumar Kar	Molecular characterization of cordia species difference between cordia DICTYOMA and cordia MACLEODII	
15254U234018	NAMRATA PRIYADARSHINI	Dr. Rashmi Ranjan Mishra	Screening and optimization of laccase production by Paenibacillus polymyxa isolated from forest soil and evaluation of its dye decolorization potential.	
15254U234019	NANDITA PATRA	Dr. Mousumi Mishra	Effect of plant growth promoting bacteria isolated from termite mound soil on Vigna radiata	
15254U234020	NITYASHA BIJAYANI	Dr. Subrat Kumar Kar	Detection of influenza disease of the patients from a tertiary hospital by using RTPCR.	
15254U234021	POOJA REDDY	Dr. Rashmi Ranjan Mishra	Screening and optimization of Manganese peroxidase (MnP) production by Bacillus Spp. Isolated from forest soil	
15254U234022	PRACHI PRIYADARSINI	Dr. Saubhagini Sahoo	Molecular characterization and phylogenetic analysis of Hypervirulent klebsiella pneumoniae from clinical isolates	
15254U234023	PRACHI RANJITA NAYAK	Dr. Rudraksh Shovan Panda	Establishment of rapid in vitro micro propagation and regeneration system of Dahlia pinnata	
15254U234024	PRAGNYARANI KHAMARI	Miss Barsha Samantaray	Isolation of cellulolytic bacteria from mangrove soil of Bhitarkanika, Odisha and optimization of its cellulase production	
15254U234025	PRAJNA PARAMITA PANDA	Dr. Mousumi Mishra	screening of marine actinomycetes from Puri coastline for potential antibacterial activities	

15254U234026	PRIYJALINI PALAI	Dr Subrat Kumar Kar	Study the molecular characterization of <i>Litsea glutinosa</i>	
15254U234027	PRIYANKA BISHAI	Dr. Rashmi Ranjan Mishra	Screening and optimization of cellulase Production from bacteria isolated from forest soil.	
15254U234028	PRIYANKA CHOUDHURY	Dr. Saubhagini Sahoo	Isolation and characterization of Novel variants of Carbapenem Resistance Gene (NDM) In MDR <i>Pseudomonas</i> sp. From Kathajodi river	
15254U234029	PUSPANJALI SAHOO	Dr. Subrat Kumar Kar	Assessment of phylogenetic relationship among <i>Bridelia retusa</i> of Odisha, India	
15254U234030	RAEHAH FELLAH	Dr. Rashmi Ranjan Mishra	Screening and optimization of pectinase production from bacteria isolated from soil	
15254U234031	RAMESWARI BHUKTA	Dr. Rashmi Ranjan Mishra	Phenotypic and molecular identification of Cellulase Producing Fungi from saline soil of coastal Odisha	
15254U234032	RITHIK BEHERA	Mr. Siddharth Parida	Production of artificial seeds derived from encapsulated in vitro microshoots of <i>Bacopa Monnieri</i>	
15254U234033	RUTUPARNNA LENKA	Dr. Mousumi Mishra	Microbial Degradation of LDPE by indigenous strains isolated from municipal dumping yard soil	
15254U234034	SAMPURNA DAS	Dr. Sidharth Parida	Induction of Embryogenic Callus from Leaf explants of <i>Aleo Vera</i> L.	
15254U234036	SASIBHUSAN SAHOO	Mr. Sidhartha Parida	An efficient protocol for direct shoot regeneration from nodal explants of <i>Bacopa monnieri</i> L: A potent medicinal herb	
15254U234037	SHRADHA SUMAN BEURIA	Dr. Rashmi Ranjan Mishra	Production of protease using free and immobilized cells of <i>Bacillus megaterium</i> BSB6 and BSB12 strains	
15254U234038	SIDHISIDHASWAR SAHOO	Dr. Saubhagini Sahoo	Induction and Maintenance of Callus from Leaf explants of <i>Bacopa monnieri</i> (L.)	
15254U234039	SMITI KANUNGO	Mr. Sidharth Parida	Callus Induction from Shoot tips of <i>Aleo vera</i> : A Potent Medicinal Herb	
15254U234040	SMRUTILIPI BEHERA	Saubhagini Sahoo	Genetic Diversity and Resistance Determinants of CRAB Isolates from Pediatric Septicemia Cases	

15254U234041	SOUMYAKANTA SENAPATI	Mr. Sidharth Parida	In vitro tissue culture studies and synthetic seed formation from Aloe Vera L.	
15254U234042	SRIMAN BRAJESWAR KHUNTIA	Mr. Sidharth Parida	Efficient invitro multiplication of Aloevera, An important medicinal Plant	
15254U234043	STHITAPRAGYAN ROUT	Dr. Rudraksh Shovan Panda	Micropropagation of <i>Muringa olifera</i> from shoot tip explant	
15254U234044	SUBHASHREE JENA	Mr. Sidharth Parida	Tinospora cordifolia :A literature Review on Therapeutic uses and pharmacological Actions	
15254U234045	SUBHASHMITA NANDA	Dr. Diptipriya sethi	Evaluation of clove essential oli as a natural preservatives in buttermilk	
15254U234046	SUBHASHMITA NAYAK	Dr.Subrar Kumar kar	Genetic diversity of Ocimum sanctum found in bhubaneswar	
15254U234047	SUHANI SABNAM	Dr.V.Aishvarya	Bioleaching of Chalcopryrite tailing by using acidiphilic Bacteria	
15254U234048	SUJATA BARIKI	Dr. Mousumi Mishra	asement of dye decolourization potential of fungi isolated from textile waste water	
15254U234049	SUSHIL BARAL	Dr.Rashmi Ranjan Mishra	CHARACTERIZATION OF AMYLASE ENZYME FROM BACTERIA ISOLATED FROM FRUIT PULP	
15254U234050	SUSHREE SRUJANIKA SUBUDHI	Dr. Rudraksh Shovan Panda	Implication of plant growth regulators and their role on shoot induction from nodal explants of Basella alba	
15254U234051	SWAGATIKA NAYAK	Mr. Sidharth Parida	An efficient & Rapid Regeneration Protocol For Micro propagation of Rosa indica.L From Nodal Explant.	
15254U234052	SWASTIKA S.RAY	Dr. Mousumi mishra	METAL RESISTANCE OF BACTERIA IN TEXTILE WASTE WATER	
15254U234053	SWATI SONALIKA RATH	Dr. Rashmi Ranjan Mishra	Isolation of cellulases producing bacteria from gastro intestinal tract of fish and evalation of its probiotics potential	