



Shiv Chhatrapati Shikshan Sanstha's
RAJARSHI SHAHU MAHAVIDYALAYA , LATUR

(Empowered Autonomous Institution)
DEPARTMENT OF BIOTECHNOLOGY
B.Sc. BT III Yr 2026-27 Project Title List

Sr. No	Roll No	Name of the Student	Project Title
1	1	AGRE SNEHA BASVARAJ	Sustainable paper Production from sugarcane Bagasse : an eco friendly alternative to wood based paper
2	2	AMBEKAR SWAPNALI MOHAN	Isolation of Bromelain from Pineapple Waste and Its Characterization and Applications
3	3	AUTADE ANJALI DHANRAJ	Comparative Analysis of Antioxidant Properties of Peel and Pulp Extracts of Kiwi, Dragon Fruit, Avocado and Litchi Using Different Extraction Methods
4	4	BHANDARE KALYANI KHANDU	Effect of Different Sugar Concentrations on the Fermentation Activity of Yeast
5	5	BHANDARE VIVEK RAMESH	Investigation of bioactive compounds from <i>Solanum virginianum</i> and their therapeutic applications
6	6	BOBADE ROHAN NAGNATH	Isolation, characterization and biotechnology potential of biofilm forming bacteria from industrial waste.
7	7	CHAUDHARI TRUPTI SHANKAR	Optimization for efficient regeneration protocol for pomogranate. (<i>Punica granatum L.</i>)
8	8	CHAVAN NISHA SANTOSH	Recovery and phytochemical profiling Lycopene and Carotenoids from processing byproducts of <i>Solanum lycopersium</i> (Tomato)waste
9	9	CHAVAN PANKAJ SUDHIR	Isolation and characteristics of indigenous bacteria from Manjra sugar factory effluent for wastewater
10	10	CHAVAN ROHAN PRABHAKAR	Green Production of Medical-Grade Dextran from Sugarcane Molasses: Purification, Characterization and Biomedical Applications
11	11	CHAVAN SUMIT RANJITSING	Screening and characterization of thermo tolerate alkaline enzymes from haloalkalophilic bacteria of Lonar lake
12	12	CHIDREWAR RIYA LAXMIKANT	Isolation, characterization and identification of food borne pathogens from different food samples for food safety assessments
13	13	DESHMUKH GAYATRI TUKARAM	Integrated In Silico screening & In vitro Validation of plant Extracts for the Development of a Herbal Cosmeceutical Gel
14	14	DESHMUKH SHRAVANI SATISHRAO	Comparative Analysis of the Nutritional and Microbiological Characteristics of Fresh and Packaged Fruit Juices
15	15	DESHMUKH SHRAVANI VENKATESH	Development and Evaluation of sericine- Based skincare & cosmetic formulations incorporating hibiscus and rice extracts
16	16	DEVANE MANASI SURYAKANT	Isolation, Identification and Assessment of Plastic-Degrading Bacteria from Plastic-Contaminated Environments
17	17	DHAPPADHULE SAKSHI KHANDU	Development and Evaluation of a Liquid Biofertilizer from Water Hyacinth (<i>Eichhornia crassipes</i>) for Sustainable Agriculture
18	18	DHOBAL ANJALI KAKASAHEB	Biofortification of <i>Pleurotus sajor kaju</i> with substrate enrichment by using additional nutrients.
19	19	DONGRE SHRADDHA RAMESH	Isolation, Functional Characterization, and Molecular Identification of Plant Growth-Promoting Rhizobacteria from the Soybean Rhizosphere

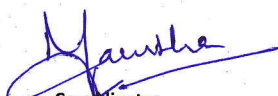
Sr. No	Roll No	Name of the Student	Project Title
20	20	FUTANE RAJESH NETAJI	Biological waste water treatment using activated sludge process
21	21	GADE GAYATRI NANASAHEB	Development and Evaluation of Polyherbal Edible Coatings for Shelf-Life Extension of Fresh Fruits
22	22	GADEKAR TULSIDAS DILIP	Extraction and Evaluation of Natural Food Colorants from Selected Plant Sources and Their Applications
23	23	GAIKWAD HARSHADA BALAJI	Biodegradation of High- density polyethylene (HDPE) using novel microbial consortia isolated from municipal solid waste dumpsites.
24	24	GAIKWAD PRATHMESH GOVIND	Production utilization and characterization of biopolymer from food waste
25	25	GAIKWAD SAMIKSHA RUPESH	Valorization of Agro-Industrial Waste into Fire-Resistant Bio-Composite Bricks for Sustainable Construction
26	26	GAROLE MOHINI SUDHAKAR	Development and Optimization of Cellulose-Reinforced Biodegradable Bioplastic from Sorghum (<i>Sorghum bicolor</i>) Stalk Waste and Corn Starch for Sustainable Packaging Applications
27	27	GAVHANE SOHAN BALAJI	Optimization of Phytohormonal Conditions for In Vitro Callus Induction in Carrot and Nicotiana and Evaluation of Somatic Embryogenesis for Synthetic Seed Production
28	28	GHOGARE SANDHYA SATISHRAO	Isolation, Characterization, and Formulation of Native Rhizospheric Bacteria for Enhancing Crop Growth Under Drought Stress.
29	29	GHORPADE ABHISHEK ANNARAO	Isolation of Novel <i>Calotropis procera</i> Endosymbionts with Probiotic traits and characterization of an alkaline-stable milk-clotting enzyme
30	30	GORE NAMRATA BALAJI	Bioremediation of Textile Dye-Contaminated Wastewater Using <i>Chlorella vulgaris</i> : A Study of Dye Removal Efficiency
31	31	GUNDILE PRATIKSHA HARIDAS	Green Synthesis of Silver Nanoparticles Using Plant Extract and Evaluation of Their Antimicrobial Activity
32	32	GURAV ARTI BHISHMA	Potential use of medicinal plants as breeding booster in ornamental fishes
33	33	INGLE DEEP DAYANAND	Exploration of Bioactive Compound from <i>Biophytum sensitivum</i> and <i>Selenicereus undatus</i> for Phytochemical characterization and therapeutic potential.
34	34	INGLE SHRADHA AJIT	Formulation, Preparation and Evaluation of Oyster Mushroom-based Moisturizing cream
35	35	JADHAV AKSHATA LAXMAN	Development of nutrient enriched cattle feed from <i>Azolla pinnta</i> biomass and evaluation of its nutritional and growth parameters
36	36	JADHAV KOMAL PANDIT	Formulation and In Vitro Evaluation of a Polyherbal Gel Containing <i>Aloe barbadensis</i> , <i>Ocimum tenuiflorum</i> , <i>Curcuma longa</i> and <i>Azadirachta indica</i> for Antifungal Potential
37	37	JADHAV PRERNA BALAJI	Isolation and characterization of endophytic bacteria from <i>Aphanamixis polystachya</i> and <i>Burflower-tree</i>
38	38	JADHAV VISHAL SANTOSH	Role of Rhizospheric Pseudomonas Species in Solubilization of Insoluble Phosphate and Siderophore Production for Sustainable Agriculture.
39	39	JAFARI SANIYA HABIB	Isolation characterization and molecular identification of probiotic bacteria from milk and gut of <i>Osmanabadi Goats</i>
40	40	JAGTAP AKANKSHA DATTATRAY	Evaluation of Bioactive Compounds and Phytochemical Profile of Rama Tulsi (<i>Ocimum tenuiflorum</i>) Essential Oil

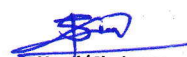
Sr. No	Roll No	Name of the Student	Project Title
41	41	KADAMAPURE ANKITA SANJIV	Development and Evaluation of a Natural Antibiofilm Coating Against <i>Pseudomonas aeruginosa</i> for Food Packaging Applications
42	42	KADARSE SADIYA MAHEBUB	Comparative Phytochemical Profiling, FTIR and GC-MS Characterization of <i>Sesbania sesban</i> and <i>Tectona grandis</i>
43	43	KALAVANT SHIVARAJ VISHWANATH	Production, optimization and characterization of Citrus fruits Waste derived bioenzyme for multipurpose application.
44	44	KALEKAR MANISH VEDBHUSHAN	Development and evolution of <i>Spirulina platensis</i> immobilized alginate hydrogel based for efficient pollution removal from aqueous system
45	45	KALWALE SIDDHANT SANGMESHWAR	Development and Evaluation of a Synbiotic Formulation Using Isolated Prebiotic Sources from <i>Asparagus officinalis</i> and <i>Cichorium intybus</i>
46	46	KAMBLE KRANTI BALBHIM	Development of Biochar from coconut shells, cow dung and dry leaves: A sustainable approach to improve soil health
47	47	KAMBLE PRAGATI LIMBRAJ	Comparative phytochemical profiling and evaluation of antimicrobial activity of <i>Sapindus mukorossi</i> , <i>Cyperus rotundus</i> and <i>Terminalia chebula</i> Extracts.
48	48	KAWDEKAR DASHRATH SHIVAJI	Evaluation of agricultural waste synergies, wheat straw vs. soybean straw on yield and biological efficiency of pink oyster mushrooms production.
49	49	KHAN HUMA LALKHAN	Preparation and Optimization of Kalanchoe pinnata (Pamputti) Leaf Extract-Supplemented Plant Tissue Culture Medium for In Vitro Plant Growth
50	50	KHOMANE DHANANJAY MEGHARAJ	Microbial profiling & Antibiotic resistance bacteria in hospital biomedical waste
51	51	KOCHE SURAJ ASHOK	Screening and Evaluation of Heavy Metal Biosorption and Reduction Capacity of Extremophilic Bacteria Isolated from Lonar Lake
52	52	KULKARNI SANKET ARUN	Bioprocess optimization and Valorization of <i>Azolla pinnata</i> Biomass for Wastewater bioremediation and sustainable energy applications
53	53	KUMBHAR BHAGYASHRI RAJKUMAR	Isolation, screening and characterization of potential Indigenous microorganisms for sustainable municipal sewage wastewater treatment and bioremediation
54	54	LOKARE SANSKAR RAJKUMAR	Optimization of Natural Substrate Supplements for Improving Growth, Yield and Biochemical Composition of Blue Oyster Mushroom (<i>Pleurotus ostreatus</i>)
55	55	LONDHE ASHVINI ASHOK	Isolation, Characterization and Production of Bacteriocin-Producing Bacteria and Evaluation of Their Synergistic Antimicrobial Activity with Pomegranate Peel Extract
56	56	MADKE SUHANI VIDYANAND	Optimization and Evaluation of Aloe vera-Chitosan Edible Coatings for Enhanced Postharvest Quality and Shelf-Life Extension of Apple, Strawberry and Kiwifruit
57	57	MALI DIPIKA RAM	Screening of Local Soil Microflora for Antifungal Potential Against Grapevine Anthracnose Pathogens
58	58	MALI TANMAY GANESH	Isolation & characterization of phosphate solubilizing bacteria from agricultural soils and its applications for crop improvement
59	59	MATHPATI ANISHA VIRBHADRA	Molecular diversity of bacteriocin Producing lactic acid bacteria from Homemade Sauerkraut
60	60	MENDHEKAR RITESH VASANT	Evaluation of the bioremediation potential of spirulina platensis for pollutant removal and biological Oxygen Demand (BOD) reduction in contaminated water
61	61	MENGSHETTE SAKSHI SOHAN	Bioprospecting of Rhizosphere Soil for L-Asparaginase Producing Bacteria and Enzyme Production

Sr. No	Roll No	Name of the Student	Project Title
62	62	METE SANIKA BALAJI	Isolation of Keratinase-Producing Bacteria from Poultry Waste and Optimization of Enzyme Production
63	63	MOMALE SAYALI NAMDEV	Comparative microbial biodegradation of different food waste substrates for the production, nutrient enrichment and characterization of organic compost.
64	64	NADAR ARPITA DAVID	Development and Characterization of Eco-Friendly Biodegradable Biofoam Reinforced with <i>Snake Plant</i> Fibre and <i>Loofah</i> Fibre Using Sweet Potato and Cassava Starch for Sustainable Packaging
65	65	NAIKNAWARE VAISHNAVI SHAHAJI	Isolation, Identification and Dietary application of Indigenous Gut-associated probiotic bacteria from freshwater fishes for improving growth performance, immunity and disease resistance in Guppy (<i>Poecilia reticulata</i>)
66	66	PALKAR JANA YOGESH	Development of Biodegradable Chitosan Films Enriched with <i>Moringa oleifera</i> and Banana Peel Extract for Food Packaging.
67	67	PALLE SHUBHANGI PRALHAD	Comparative isolation and characterization of microbial contaminants from plant tissue culture materials and laboratory environments
68	68	PATIL ADITYA SUNIL	Design and performance analysis of an automated low- cost micro climate system for year round indoor mushroom cultivation
69	69	PATIL AMRUTA DHANRAJ	Optimization, characterization and biodegradability Assessment of microbial bioplastics produced from agricultural waste
70	70	PATIL GODAWARI NAGESH	Phytoremediation of wastewater using aquatic plants.
71	71	PATIL NANDINI NAGNATH	Diversity and functional characterization of beneficial microorganisms associated with black and Red soils collected from wanegaon, Dharashiv .
72	72	PATIL SAKSHI SANJAY	Development and Characterization of Bioplastic Film from Jackfruit Seed Starch Reinforced with Banana Fiber Cellulose for Sustainable Food Packaging
73	73	PATIL TANMAY VIJAY	Screening of Endophytic Fungi from <i>Tinospora cordifolia</i> (Giloy) for Antimicrobial Secondary Metabolites and Formulation into an Antimicrobial Bio-Hydrogel for Topical Wound Healing
74	74	PATOLE RAKHI RAM	A Novel Microbial Bio-Formulation using Nativ Fungi for Accelerated In-Situ Straw Decomposition
75	75	PAWAR NIKITA ACHUTRAO	Preparation of herbarium, taxonomic identification and quality evaluation of traditional medicinal plants used in Rural Healthcare
76	76	PAWAR NIKITA VIKAS	Development of biochar from agricultural residue for soil improvement and quality enhancement
77	77	PAWAR PRATIKSHA CHANDRAKANT	In vitro multiple shoot induction in <i>adenium obesum</i> : A commercially important ornamental plant of india
78	78	RATHOD PRACHI SURESH	Isolation and characterization of Thermostable cellulases from agricultural residues for efficient Lignocellulosic biomass hydrolysis
79	79	RATHOD SANDESH SANTOSH	Isolation, screening and characterization of indigenous PET-degrading bacteria with PETase activity
80	80	RAUT NIRJALA JAIPAL	Biological treatment of domestic sewage using indeginous microorganisms
81	81	SAMUDRE JANHAVI AMOL	Isolation, Evaluation, and Optimization of Chitinase Production from Chitinase-Producing Rhizobacteria as Biocontrol Agents Against Plant Fungal Pathogens.

Sr. No	Roll No	Name of the Student	Project Title
82	82	SANDSE AMEY MAHADEV	Extraction and characterization of essentials oil from medicinal plant using hydrodistillation and evolution of their physiocochemical properties
83	83	SANDSE PANDURANG NETAJI	Isolation, screening and optimization of indegenous mutifunctional enzyme producing bacteria agri & organic waste
84	84	SAVANT ADITI MAHESH	Optimization of keratinase productions enzyme kinetics and its industrial application
85	85	SAWANT YOGESHWARI RAJKUMAR	Comparative Evaluation of the Antimicrobial, Antioxidant, and Innate Immunological Properties of Skin Mucus from <i>Channa gachua</i> and <i>Oreochromis niloticus</i>
86	86	SAYYAD IBRAHIM ALLABAKSH	Isolation, Characterization and Development of Microbial Biofertilizer and Evaluation of Its Plant Growth-Promoting Potential in <i>Solanum lycopersicum</i> , <i>Spinacia oleracea</i> and <i>Capsicum annum</i>
87	87	SAYYED SHAZIYANAAZ SATTAR	Management of red rot in sugarcane by biocontrol agent
88	88	SHAIKH MAHEK MUJAMIL	Synthesis and Mechanical characterization of Biodegradable film (Bioplastic) Derived from Agricultural Byproduct
89	89	SHAIKH MISBAH DADAPIR	Isolation and characterization of biofilm forming bacteria from sewage waste water of chaudhary nagar, latur
90	90	SHAIKH SALIM PASHA	Bioaugmentation of domestic wastewater using beneficial bacteria for improved water quality
91	91	SHAIKH SHAREKH HABIB	Extraction and Spectrophotometric Profiling of Photosynthetic Pigments from <i>Spirogyra</i> and <i>Ulothrix</i> for Potential Industrial Applications
92	92	SHELKE SUPRIYA ASHRAM	Evaluation of agricultural waste-based substrates for enhanced productivity and nutritional quality of <i>Pink Oyster</i> Mushroom
93	93	SHELKE SURAJ PANDIT	Development of smart Coconut shell Biochar for multi-pollutant water purification and carbon sequestration through optimized pyrolysis technology.
94	94	SHINDE AJAY AMOL	Isolation screening and characterization of indrgenous micro grams from dairy from industrial and probiotic application
95	95	SHINDE PRAPTI SURYAKANT	Preparation, Characterization and Antimicrobial Evaluation of a Chitosan-Based Hydrogel Containing Indigenous Medicinal Plant Extracts (<i>Adulsa</i> , <i>Guduchi</i> , <i>Bhringraj</i> and <i>Brahmi</i>) from Wadwal Bet, Chakur, Maharashtra.
96	96	SHINDE ROHAN VYANKATESH	Isolation, characterization and Evaluation of phosphate -solubilizing Bacteria (PSB) as Biofertilizers for Enhancing plant Growth and crop yield
97	97	SHINDE TEJAS SHANKAR	Comparative Study of Vermicompost Production, Using Different Earthworm species and Evaluation of its effect on Plant Growth
98	98	SHINDE YASH SUNIL	Isolation and charactrization indigenous probiotic bacteria from ierbs cow milk and evaluation of their grwoth reponse to selected plant desired probiotics
99	99	SUTAR TANUJA RAJPAL	Optimization of bacterial polyhydroxyalkanoate (PHA) production and it's characterization for bioplastic potential
100	100	SWAMI SNEHA PRAMOD	Development of a low-cost biofilm charcoal biofilter for sustainable wastewater treatment.
101	101	TEKALE TANUJA DHARMARAJ	Fish Mucus-Associated Microbiota as a Source of Industrially Important Hydrolytic Enzymes

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102	102	THOMBRE SURAJ SUJIT	Optimization of <i>In Vitro</i> Micropropagation and Commercial Production Potential of Selected Orchid Species
103	103	TORNEKAR ADITI DILIP	Bioprospecting of cow farmyard manure for bioactive compounds producing microorganisms: Isolation, Characterization, Crude Extraction and Antimicrobial Evaluation.
104	104	TRIBHUWAN RITESH RAMESH	Isolation, screening and characterization of biosurfactant-producing microorganisms for potential environmental applications
105	105	VHANDE PRANJLI DATTATRAY	Microbial Biofertilizer Production and Their Role in Growth Promotion of Legume Crops: A Case Study of Soybean and Chickpea
106	106	ZADKE POOJA LAXMAN	Evaluation of antioxidant activity of <i>Tinospora</i> and <i>Clitoria ternatea</i>
107	107	ZINGRE PADMASHRI LAXMAN	Microbial bioconversion of Kitchen Waste into Biofertilizer: Optimization, Characterization and Evaluation of Its Effect on Plant Growth
108	108	ZINGRE PRATIKSHA HANMANT	Development, Phytochemical Characterization, and Shelf-Life Stability of a Polyherbal Ointment for Fungal Skin Infections.
109	109	ADE KARISHMA SHESHERAO	Isolation of cellulolytic <i>Bacillus spp.</i> from cow dung for rapid bioconversion of waste paper and plant residues into nutrient-enriched organic compost
110	110	PALMPALLE POOJA BAPU	Mycoremediation of waste water treatment using <i>Aspergillus niger</i> : A study of pollutants removal
111	111	KAMBLE ADITYA SAKHARAM	Development of mushroom leather: Enhancement of mycelium growth using novel plant based nutritional supplement
112	112	BULBULE SAKSHI DAGDU	Development and evaluation of herbal gel using turmeric root hibiscus and calendula extract for the treatment of anti fungal and microbial skin infection
113	113	SALUNKE VAISHNAVI MOHAN	Development and optimization of a floating Biofilm-Assisted phytoremediation system using Duckweed, Coconut Coir and Indigenous bacterial consortia for sustainable domestic wastewater treatment"
114	114	LOKHANDE VAISHNAVI RAMA	Development and Evaluation of a Cyanobacterial Biofertilizer for Sustainable Agricultural Applications


Co-ordinator


Head/Chairman
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