



PRAVARA INSTITUTE OF MEDICAL SCIENCES

(Deemed to be University)

University Established Under Section (3) of UGC Act
NAAC Re-accredited with "A" Grade (CGPA 3.17)

COLLEGE OF BIOSCIENCES AND TECHNOLOGY



Completed Projects Summary

STUDENTS COMPLETED RESEARCH PROJECTS: 2017-2024

No.	Title	Investigator	Level
2023-24			
1.	Isolation and Characterization of Cholesterol Degrading Bacteria from Soil.	Ms. Khandare Vaishnavi Shahaji	PG
2.	<i>In Silico</i> Exploration of Bioflavonoids Interactions with Snake Venom Enzymes: Molecular Docking Study.	Ms. Khamat Prajakta Balu	PG
3.	Protein Profile and Biological Activity Evaluation of <i>Terminalia chebula</i> Retz. and <i>Terminalia bellirica</i> (Gaertn.) Roxb. Fruits.	Ms. Sathe Priyanka Sharad	PG
4.	Qualitative Phytochemical Analysis and Biological Activities of <i>Falconeria insignis</i> Royle Seed Extract.	Ms. Rokade Sumedha Minanath	PG
5.	Identification and Characterization of Calcium Oxalate Degrading Bacteria from Spinach Growing Soil.	Mr. Varpe Pravin Sonyabapu	PG
6.	Evaluation of Phytochemicals, Anti-inflammatory and Anti-diarrheal Activity of Latex of <i>Jatropha gossypifolia</i> L.	Mr. Wadekar Om Nandkishor	PG
7.	Isolation and Characterization of Gluten Degrading Bacteria from Soil Sample.	Ms. Nanavare Rutuja Vijay	PG
8.	Isolation and Characterization of Lipase Inhibitor from Chia Seeds (<i>Salvia hispanica</i> L.).	Ms. Punjabi Sakshi Umesh	PG
9.	Evaluation of Gluten Degrading Enzymes from Germinated Wheat (<i>Triticum aestivum</i> L.) and Maize (<i>Zea mays</i> L.).	Ms. Jadhav Dhanshree Nandkishor	PG
10.	Exploring Amylase Inhibition by Phytochemicals in <i>Balanites aegyptiaca</i> (L.) Delile Fruit Extract.	Ms. Maniyar Aayesha Firoj	PG
11.	Exploration of the Phytochemicals and Arginase Inhibition Activity from the Shell of Walnut (<i>Juglans regia</i> L.).	Mr. Rajesh Mundhe	PG
12.	Isolation and Characterization of Plant Based Milk Coagulating Enzyme for Cheese Making.	Ms. Nirmal Gaytri Ramnath	PG
13.	Qualitative Phytochemical Analysis, GC-MS Phytochemical Screening and Biological Activities of <i>Medicago sativa</i> Flower Extract.	Mr. Aryan Sahay and Mr. Lokhande Yash Vinod	UG
14.	Identification of Phytochemicals and Evaluation of Biological activities of <i>Musa Paradisiaca</i> Stem Juice.	Mr. Bhosale Abhay Dinkar and	UG

		Mr. Shelke Pranit Chandrakant	
15.	Qualitative Phytochemical Analysis and Evaluation of Biological Activities of Ripe and Unripe Fruit of <i>Cascabela thevetia</i> : A Comparative Study.	Ms. Singh Divya Ranjeet and Ms. Supekar Sadhana Suresh	UG
2022-23			
16.	Detection and Biochemical Characterization of Alpha-Amylase Inhibitory Compounds from <i>Withania coagulans</i> Fruit Extract.	Ahire Ankush Gopal	PG
17.	GC-MS Phytochemical Profiling, Antioxidant and Antidiabetic Activity of Methanolic Extract of Ripe Seed and Fruit Coat of <i>Pithecellobium dulce</i> .	Amman Shafeen	PG
18.	Isolation, Purification and Characterization of Nattokinase and Assessment of its Biological Activities from <i>Bacillus subtilis</i> Fermented Soybean.	Sivashish Kashyap	PG
19.	Study of Black Cardamon (<i>Amomum subulatum</i>) polyphenols as Natural Inhibitors of Protease and Amylase.	Tattu Lalit Dasharath	PG
20.	Isolation and Evaluation of Saponin Rich Extract from <i>Portulaca quadrifida</i> L. and its Biological Activities.	Antre Madhuri Haribhau	PG
21.	Method Development and Evaluation of Wine Production from Cracked Pomegranate.	Jagtap Kashmira Sanjay	PG
22.	GC-MS Analysis of Bioactive Compounds and Biological Activities from Different Extracts of <i>Epiphyllum oxypetalum</i> .	Mali Gauravi Ravindra	PG
23.	GC-MS Fingerprinting and Bio-evaluation of Phytoconstituents from Methanol and Petroleum Ether Extract of <i>Permotrema perlatum</i>	Piske Apurva Ashok	PG
24.	GC-MS Phytochemical Profiling, Antioxidant and Antidiabetic Activity of Methanolic Extract of Unripe Seed and Fruit Coat of <i>Pithecellobium dulce</i> .	Thakur Prachi Yogesh	PG
25.	Selective Screening of Soil Samples for Isolation and Characterization of Carotenoid Producing Bacteria.	Thete Pranjal Uttam	PG
26.	GC-MS Phytoconstituent Profiling, Antioxidant and Antidiabetic Activity of Methanolic and Petroleum Ether Extract of Seed of <i>Cascabela thevetia</i> .	Wabale Durgesh Ashokrao	PG
27.	Comparative Analysis of Whey Proteins of Cow, Buffalo and Sheep Milk Samples Collected from Loni (BK) Locality of Ahmednagar District.	Tupake Aditya Digamber & Patel Sadhana Nandkumar	UG
28.	Isolation and Characterization of Proteinaceous α -amylase Inhibitor from Moth Bean (<i>Vigna aconitifolia</i>).	Sonkamble Atharva Malhari & Argade Dhiraj Machhindra	UG

29.	Qualitative Phytochemical Screening Antioxidant and Antimicrobial Activities of <i>Mallotus phillippensis</i> L., leaves: An Endangered Medicinal Plant.	Hatte Madhusudhan Sacchidanand & Taware Tanuja Anil	UG
2021-22			
30.	Synthesis of Carbon Dots from Natural Sources.	Anushka Sahay	PG
31.	Detection of Proteinaceous Amylase Inhibitors from <i>Myristica fragrans</i> and <i>Cassia fistula</i> .	Dibare Ganesh Trimbak	PG
32.	GC-MS Fingerprint Analysis of Bioactive Compounds & Evaluation of Biological Activities of <i>Acrocalamus</i> .	Gadekar Mahesh Gangadhar	PG
33.	Identification of Bioactive Metabolites from <i>Malachra capitata</i> (L.) L. and its evaluation of Pharmacological potential.	Jadhav Sourabh Yashwant	PG
34.	Formulation and Standardization of Deodorized Proteinaceous Spirulina Juice.	Lambu Saloni Aaditijay	PG
35.	Biochemical Characterization of Actinidin Like Protease from Peel and Pulp of <i>Carica papaya</i> L. Fruit.	Madhwai Pratiksha Pandit	PG
36.	Evaluation of Antiuro lithiatic Activity of <i>Dolichandrone falcata</i> & <i>Cordia diachotoma</i> .	Pachore Prashant Babasaheb	PG
37.	Isolation, Identification & Characterization of Oxalate Degrading Bacteria from Spoiled Vegetables.	Shinde Shrutkirti Shahaji	PG
38.	GC-MS Fingerprint Analysis, <i>In vitro</i> Antioxidant & Antiuro lithiatic Activity of Different Varieties of <i>Citrus medica</i> Fruit Juice and Peel Extract.	Chauhan Anupa Harishchandra	PG
39.	Isolation and Characterization of Bacteria from Pesticide Contaminated Agriculture Soil.	Kale Aaditi Sambhaji	PG
40.	Characterization & Electrophoretic Profiling of Protein from <i>Macrotyloma unitflorum</i> .	Kale Sanket Babasaheb	PG
41.	GC-MS Analysis of Bioactive Compounds & Biological Activities from Methanolic Leaf Extract of <i>Dentella repens</i> .	Talole Shamal Dattatray	PG
42.	Identification of Protease Inhibitors with Antimicrobial Activity from Protein Extracts of <i>Albizia lebbeck</i> .	Thete Rutwika Sandeep	PG
43.	Milk Clotting Activity from Germinated Seed of Moth Bean (<i>Vigna aconitifoli</i>) and Rajma (<i>Phaseolus vulgaris</i>).	Shelke Sonali Ashok	PG
44.	Measurement of phytochemical constituents, antimicrobial, Anti-inflammatory activity of aerial parts of <i>Geranium lawianum</i> .	Ajinkya Chavare, Tejus Korhale, Sumedha Rokade, Aayesha Maniyar	UG
45.	Phytochemical analysis and biological activities of <i>Adhatoda vesica</i> Nees leaf extracts.	Argade Shubham, Rutuja Nanaware, Sakshi Punjabi, Pravin Varpe	UG

46.	Study of Phytochemical screening and antidiabetic activity of <i>Ficus racemosa</i> .	Deshmukh Aditya, Rajesh Munde, Dhanshree Jadhav	UG
2020-21			
47.	Phytochemical Analysis, Protein Estimation and Proteolytic Activity of Some Medical Plant and Showing Its Antibiotic Activity.	Jadhav Sourabh Yashwant, Gadekar Mahesh Gangadhar & Ganesh Dibare Trimbak	PG
48.	Synergistic Effect on Antimicrobial and Anti-Inflammation Of <i>Solanum Nirum</i> and <i>Physalis Peruviana</i> And Phytochemical Analysis, Antiarthritic Activity.	Chauhan Anupa Harishchand, Kale Aditi Sambhaji & Saloni Vijay Lambu	PG
49.	Isolation And Identification of Food Borne Pathogens from Spoiled Food Samples.	Akshada Doifode	PG
2019-20			
50.	Phytochemical & Pharmacological Properties of Medicinal Plants Occurring in Local Area of Loni, Ahmednagar District, Maharashtra.	Dynaneshwar Satpute	PG
51.	Isolation, Purification & Characterization of Cellulase from Digestive Tract of Snails (<i>Pomacea Caniculata</i>).	Lucky Priya	PG
52.	Extraction And Characterization of Gelatin from Fish Scales (<i>Labeo Catla</i>) And Its Antiarthritic Activity.	Lucky Priya	PG
2018-19			
53.	Antibiotic Activity of Plants / Herbal Extracts Against Oral Pathogens.	Dhatrak Aishwarya Shivaji	PG
54.	<i>In Vitro</i> Evaluation of Antidandruff / Antifungal Activity of Plant Extract Against <i>Malassezia Furfur</i> .	Joshi Yash Prakash	PG
55.	Antioxidant, Anti-Hemolytic And In Vitro DNA Scavenging Activity of <i>Piper Betel</i> .	Nikam Nikhilkumar Anil	PG
56.	Antioxidant And In Vitro DNA Scavenging Activity of <i>Cymbopogon Citratuas</i> Leave Extract.	Pavangadkar Mrunmai Avdhut	PG
57.	Isolation And Screening of Keratinase Degrading Micro-Organism.	Rai Pooja Keshav	PG
58.	To Assess the Antibacterial & Caffeine Content of Tea Powder Brands.	Sonar Rasika Pravin	PG
59.	Extraction, Purification & Biochemical Characterization of peroxides enzyme from Cabbage & French beans.	Aishwarya Dhatrak	PG

60.	In Vitro Evaluation of Anticancer and Anti-Diabetic Activity of Various Medicinal Plants.	Yash Joshi	PG
61.	Synthesis Of Silver Nanoparticles from Biological Sources and Their Bio Medical Applications.	Nikhil kumar Nikam	PG
62.	Extraction, Isolation & Purification of Protease Inhibitor from Plant Seeds.	Mrunmai Pavangadkar	PG
63.	Phytochemical Screening and Pharmacological Evaluation Of Some Medicinal Plant.	Pooja Rai	PG
64.	Isolation, Partial Purification, Characterization and Anti-Proliferative Activity Of L- Asperginase of Fugal and Bacterial Spp.	Rasika Sonar	PG
2017-18			
65.	Plasmid Profiling of <i>Pseudomonas Aeruginosa</i> and Its Curing Activity by Spices.	Pandure Madhuri Devidas	PG
66.	Extraction of Plasmid DNA From <i>E. Coli</i> by Using Laundry Detergents.	Ms. Pooja Rai	PG
67.	Species Distribution of Virulence Factor of <i>Candida</i> Isolated from Cancer Patient.	Mr. Yash Joshi	PG
68.	Antimicrobial Activity of Honey Against Enteric Bacterial Pathogen.	Ms. Aishwarya Dhatrak	PG
69.	Biofilm Forming Ability and Antibiotic Profiling of Gram Negative and Gram-Positive Bacteria.	Ms. Sonar Rasika	PG
70.	Isolation & Biochemical Characterization of <i>Lactobacillus</i> Sps. From Different Curd Sample and Antagonistic Activity Against <i>Streptococcus Mutants</i> .	Ms. Komal Navare	PG
71.	Screening, Isolation, Identification, Characterization of Amylase Producing Bacteria from Soil Sample.	Ms. Madhuri Pandure	PG
72.	Assessing The Osteogenic Potential of Curcumin Using Stem Cell Differentiation Assays.	Mr. Rokade Rahul Popat	PG
73.	<i>In-Vitro</i> Evaluation of Antibiofilm Activity of Crude Plant Extracts Against Multi- Drug Resistant.	Ms. Shewalkar Mugdha Shirish	PG
74.	Pharmacological Plants from Ahmednagar District.	Ms. Bhalake Shital Babanrao	PG
75.	Assessing The Effect of Donor Variability on The Quality and Efficiency of Umbilical Cord Derived Mesenchymal Stem Cells Used For Therapeutic Application.	Ms. Priyanka Laxman Dhole	PG