



Centre for Biotechnology

B] Completed Projects (F07 +PG 64=71)

S.N	Title	Investigator	Year
Faculty (07)			
1.	To study in vitro inhibitory effect of <i>G. glabra</i> & <i>T. cordifolia</i> plant extracts on infectious pathogenic organism.	Mr. Ganesh Vikhe	2017-18
2.	Isolation and analysis of the MMP's (Gelatinase) in Bamboo and spinach by gelatin Zymography.	Dr. Suresh Kamble	2017-18
3.	Extraction and purification of phycoerythrin a natural coloring agent from spirulina	Dr. Suresh Kamble	2017-18
4.	Plasmid Profile Analysis of Multidrug Resistant <i>Pseudomonas aeruginosa</i> isolated from rural tertiary care hospitals of Western Maharashtra	Ms. Meghna R.Choudhari	2017-18
5.	Evaluation of in-vitro anticancer potential of some medicinal plants against various cancerous cell lines.	Ms. Namita A. Raytekar	2018-19
6.	Antioxidant potential and prevention of DNA damage activity of natural and marketed Honey samples.	Dr. Suresh Kamble	2018-19
7.	Assessment of model of TGF- B1 mediated auto-regulatory loop among E-box binding factors (Snail; Slug, SIP1) and its role in acquisition of stem cell like properties by cancer cell through oncogenic- EMT	Rahuldev P. Malage	2019-20
Students (64)			
8.	Isolation, purification and characterization of protease from <i>Tribolium</i> sps. Associated microbial flora	Navare Komal Ravindra	2017-2018
9.	Plasmid profiling of <i>Pseudomonas aeruginosa</i> and its curing activity by spices.	Pandure Madhuri Devidas	2017-2018
10.	Phytochemical analysis and antimicrobial, antioxidant activity of <i>Coleus forskohli</i> leaf and root extract	Nawale Rahul Dharma	2017-2018
11.	Genetic diversity analysis of sugarcane cultivar through RAPD	Pund Vaibhav Radhakisan	2017-2018
12.	Extraction, Purification, activity & Molecular Characterization of peroxidase Enzyme from Tomato Peels	Gaikwad Amol Ashok	2017-2018
13.	Phytochemical evaluation, Antioxidant activity & Antibacterial activity of <i>Bacopa monniere</i>	Kurhade Nilesh Baban	2017-2018
14.	Phytochemical evaluation Antioxidant activity & Antibacterial activity of Kiwi fruit	Vikhe Harshal Ashokrao	2017-2018
15.	Production and optimization of gluconic acid from fungal soil isolated (<i>Aspergillus Nigar</i>)	Akshay Pradip Shinde	2017-2018
16.	Genetic diversity analysis of pearl millet cultivar through RAPD	Labade Amol Dadaram	2017-2018



Directorate of Research, PIMS-DU

PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED UNIVERSITY)

17.	Antibacterial activity of boney against enteropathogenic bacteria.	Dhatrak Aishwarya Shivaji	2017-2018
18.	Species distribution and virulence factor of Candida isolated from cancer patients	Joshi Yash Prakash	2017-2018
19.	Extraction of plasmid DNA from E.coil using laundry detergent	Rai Pooja Keshav	2017-2018
20.	Antibiotic activity of plants / herbal extracts against oral pathogens.	Dhatrak Aishwarya Shivaji	2018-2019
21.	In vitro evaluation of antiodandruff/ antifungal activity of plant extract against malassezia furfur.	Joshi Yash Prakash	2018-2019
22.	Antioxidant , anti hemolytic and in vitro DNA scavenging activity of Piper betel	Nikam Nikhilkumar Anil	2018-2019
23.	Antioxidant and in vitro DNA scavenging activity of Cymbopogan citratuas leave extract	Pavangadkar Mrunmai Avdhut	2018-2019
24.	Isolation and screening of keratinase degrading micro organism	Rai Pooja Keshav	2018-2019
25.	To assess the antibacterial & caffin content of tea powder brands.	Sonar Rasika Pravin	2018-2019
26.	Biofilm forming obility and antibiotic profiling of Gram negative and Gram positive bacteria.	Sonar Rasika Pravin	2018-2019
27.	Isolation, Purification and Characterization of Cellulase from Snail (Pomacea Canliculata)	Ms. Lucky Priya	2019-2020
28.	In vitro evaluation of phytochemical screening antioxidant and antiarthritic activity of various medicinal plant	Mr. Dnyaneshwar Satpute	2019-2020
29.	Extraction and characterization of gelatin from fish scales (Labio catla) and its anti-arthritis activity	Ms. Lucky Priya	2019-2020
30.	Extraction, Purification & Biochemical Characterization of peroxides enzyme from Cabbage & French beans	Dhatrak Aishwarya Shivaji	2019-2020
31.	In vitro evaluation of anticancer and anti diabetic activity of various medicinal plants	Joshi Yash Prakash	2019-2020
32.	Synthesis of silver nanoparticles from biological sources and their bio medical applications	Nikam Nikhilkumar Anil	2019-2020
33.	Extraction, isolation & purification of protease inhibitor from plant seeds	Pavangadkar Mrunmai Avdhut	2019-2020
34.	Phytochemical screening and pharmacological evaluation of some medicinal plant	Rai Pooja Keshav	2019-2020
35.	Isolation, partial purification and in-vitro anti-inflammatory activity of L- asperginase of fugal and bacterial spp.	Rasika Sonar	2019-2020
36.	To study antimicrobial, in vitro antioxidant & antidiabetic activity of costus igneus	Manoj Lawande	2019-2020
37.	To study the Phytochemical analysis, antimicrobial & antioxidant activity of tulsi.	Rohit M. Ghuge	2019-2020



38.	Isolation and Identification of food borne pathogens from Spoiled food samples	Ms. Akshada Doifode	2020-2021
39.	Synthesis of carbon dots from natural sources.	Anushka Sahay	2021-2022
40.	Detection of Proteinaceous Amylase Inhibitors from Myristica Fragnans cassia fistula	Dibare Ganesh Trimbak	2021-2022
41.	GC-MS fingerprint Analysis of Bioactive Compounds & Evaluation of Biological Activities of Acorus Calamus plant	Gadekar Mahesh Gangadhar	2021-2022
42.	Identification of Bioactive Metabolites from Malachra Capitata plant and evaluation of its Pharmacological potential	Jadhav Sourabh Yashwant	2021-2022
43.	Formulation and standardization of Deodorized Proteinaceous Spirulina juice	Lambu Saloni Aaditi Ijay	2021-2022
44.	Biochemical Characterization of Actinidin Like Protease from Peel and Pulp of Carica papaya L. Fruit	Madhwai Pratiksha Pandit	2021-2022
45.	Evolution of antiurolithiatic activity of Dolichandrone Falcata & Cordia Diachotoma	Pachore Prashant Babasaheb	2021-2022
46.	Isolation, Identification & Characterisation of Oxalate degrading bacteria from Spoiled vegetables	Shinde Shrutkirti Shahaji	2021-2022
47.	GC-MS Fingerprint, Analysis In vitro antioxidant & antiurolithiatic activity of Different Varieties of Citrus medica fruit Juice and Peel Extract	Chauhan Anupa Harishchandra	2021-2022
48.	GC-MS Fingerprint, In vitro antioxidant & antiurolithiatic activity of pomegranate juice & peels.	Chauhan Anupa Harishchandra	2021-2022
49.	Isolation & Characterisation of various microbes from pesticide contaminated agriculture soil.	Kale Aaditi Sambhaji	2021-2022
50.	Characterisation & electrophoretic profiling of protein from Macrotyloma uniflorum	Kale Sanket Babasaheb	2021-2022
51.	GC-MS activity & Biological activity of Dentella repens leaf extract	Talole Shamal Dattatray	2021-2022
52.	Identification of protease inhibitors with antimicrobial activity from protein extracts of Albizia lebeck	Thete Rutwika Sandeep	2021-2022
53.	Milk clotting activity from germinated seed of Moth Bean (Vigna Aconitifolia) and Rajma (Phaseolus Vulgaris)	Shelke Sonali Ashok	2021-2022
54.	Phytochemical analysis & biological activity of Adhatoda vasica leaves extract	Argade Shubham & Research Team	2021-2022
55.	Study of phytochemical Screening and antidiabetic activity of ficus racemosa	Jadhv Dhanshree & Research Team	2021-2022
56.	Measurement of phytoconstituents antimicrobial & anti-inflammatory activity of aerial parts of Geranium lavianum	Chavare Ajinkya & Research Team	2021-2022
57.	GC-MS Phytochemical Profiling, Anti-oxidative and Anti-Diabetic Activity of Methanolic Extract of Unripe Seed and Fruit Coat of <i>Pithecellobium Dulce</i>	Ms. Thakur Prachi Yogesh	2022-2023



Directorate of Research, PIMS-DU

PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED UNIVERSITY)

58.	GC--MS Phytochemical Profiling, Anti Anti oxidative and diabetic Activity of Methanolic Extract of Ripe Seed and Fruit Coat of <i>Pithecellobium dulce</i>	Mr. Amman Shafeen	2022-2023
59.	Method Development and Evaluation of Wine Production from Cracked pomegranate	Ms. Jagtap Kashmira Sanjay	2022-2023
60.	Isolation and Evaluation of Saponin Rich Extract from <i>Portulaca quadrifida</i> L. And its biological activities	Ms. Antre Madhuri Haribhau	2022-2023
61.	GC-MS Phytoconstituent profiling, Antioxident and antidiabetic activity of methanolic and petroleum ether extract of seed of <i>cascabela thevetia</i>	Mr. Wabale Drugesh Ashokrao	2022-2023
62.	GC-MS Analysis of Bioactive compounds and Biological Activities from Different Extract of <i>Epiphyllum oxypetalum</i>	Ms. Mali Gauravi Ravindra	2022-2023
63.	Isolation, Purification and Characterization of Nattokinase and Assessment of its Biological Activity from <i>Bacillus subtilis</i> Fermented Soybean	Mr. Sivashish Kashyap	2022-2023
64.	GC-MS Fingerprinting and Bio-evaluation from Methanol and petroleum ether extract of <i>Permotrema perlatum</i>	Ms. Piske Apurva Ashok	2022-2023
65.	Detection and Biochemical Characterization of Alpha-Amylase Inhibitory compounds from <i>Withania coagulans</i> fruit extract	Mr. Ahire Ankush Gopal	2022-2023
66.	Selective screening of soil samples for Isolation and Characterization of Carotenoid producing Bacteria	Ms. Thete Pranjal Uttam	2022-2023
67.	Study of black cardamom (<i>Amomum subulatum</i>) polyphenols as natural inhibitors of protease and amylase	Mr. Tattu lalit Dasharath	2022-2023
68.	Isolation and characterization of proteineious alpha amylase inhibitor from Moth Bean (<i>Vigna Aconitifolia</i>)	Mr. Athrva Sonkamble Mr. Dhiraj	2022-2023
69.	Comparative Analysis of Whey Proteins of Cow, Buffalo and Sheep Milk Samples Collected from Loni (BK) Locality of Ahmednagar District”	Ms. Sadhana Patel Mr. Aditya Tupake	2022-2023
70.	Antioxidant and antimicrobial activity of leaves of Mallotus phillippensis: An endangered medicinal plant	Mr. Madhusudan Ms. Tanuja Taware	2022-2023
71.	In vitro comparison of phytochemical screening, antioxidant and antimicrobial activity of different varieties of pumpkin seed extract	Ms. Amrapali Suradkar Mr. Om Davane	2022-2023