

DEVI AHILYA VISHWAVIDYALAYA, INDORE
SCHOOL OF BIOTECHNOLOGY
Dissertation List

M.Sc. Biotechnology 2023

S.No.	Student Name	Course	Supervisor Name	Place and Address of the Institute, where you have completed your dissertation.	Title of the dissertation thesis
1	Anuradha Jadon	M.Sc. Biotechnology IV SEM	Prof. Ravi Manjithaya	Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru, Karnataka-560064	Elucidating the modulation of autophagy by septins
2	Arpna toppo	M.Sc. Biotechnology IV SEM	Dr. Payal puri	IILR academy indore 1750, near Khalsa Chowk Road, Part I, Scheme No 114, Indore, Madhya Pradesh 452010	Protease extraction, purification and application from papaya fruit
3	Disha Chouhan	M.Sc. Biotechnology IV SEM	Dr. Debasis nayak	Indian Institute of science education and research, Bhopal	"ELISA-based Detection of Rabies Virus Antibodies in Mouse Models: A Developmental Study"
4	Jagrati Baghel	M.Sc. Biotechnology IV SEM	Dr Payal puri mam	IILR Academy Indore	Protease extraction, purification, application from pineapple fruit
5	Megha Modi	M.Sc. Biotechnology IV SEM	Dr. Yash Pal	National Institute of Animal Biotechnology, Gachibowli, Hyderabad, Telangana	To elucidate the structure of rumen microbial community using culture independent and advanced bioinformatic tools
6	Muskan Chandel	M.Sc. Biotechnology IV SEM	Prof. Sheeba Vasu	Jawaharlal Nehru Centre For Advanced Scientific Research, Rachenahalli Lake Rd, Jakkur, Bengaluru, Karnataka 560064	Role of Innexin 1 in Glial cells in modulation of Circadian rhythm of Drosophila melanogaster
7	Nitisha Shrivastava	M.Sc. Biotechnology IV SEM	Dr Siddik Sarkar	CSIR IICB (TRUE) ,Kolkata ,West Bengal	Cloning and expression of programmed cell death ligand 1 in ovarian cancer cell line
8	Pranjal Mishra	M.Sc. Biotechnology IV SEM	Dr. Paresch Sharma, Scientist E	National Institute Of Animal Biotechnology Hyderabad	Comparison of Biofilm formation and Antimicrobial resistance efficiency of Staphylococcus aureus strains isolated from Bovine mastitis infected animals

9	Priyanshee Modi	M.Sc. Biotechnology IV SEM	Dr. Vinay Kumar Tyagi (Scientist D)	National Institute of Hydrology, Roorkee, District Haridwar, Uttarakhand.	Effect of thermal pre-treatment on sewage sludge for enhancing biogas generation.
10	Rohan Deshmukh	M.Sc. Biotechnology IV SEM	Dr. Vidisha Tripathi	National Center for Cell Science, Pune University road, Ganeshkhid, Pune, Maharashtra 411007	Understanding the role of a novel long non-coding RNA, LncCDK12 in cell cycle progression
11	Shreya Verma	M.Sc. Biotechnology IV SEM	Dr. Giriraj kumawat	Icar-iisr indore	Characterization of GmSOR1 genes in soybean
12	Swati bankariya	M.Sc. Biotechnology IV SEM	Dr. Anirban roy choudhury	CSIR IMTECH, CHANDIGARH	Physicochemical characterizations of microbial exopolysachharides
13	Unnati gupta	M.Sc. Biotechnology IV SEM	Dr. Devojit kumar sarma	ICMR NIREH (BHOPAL)	Detection of wolbachia in aedes aegypti and aedes albopictus
14	Unnati Singh Tuteja	M.Sc. Biotechnology IV SEM	Dr. Khageswar Sahu	Raja Ramanna Centre for Advanced Technology (RRCAT) Parmanu Nagar, Sahkar Nagar Extension, 1, CAT Rd, Rajendra Nagar, Indore, Madhya Pradesh 452013	Isolation, Characterization of Exosomes and it's application in Drug Delivery
15	Vanshita Rawal	M.Sc. Biotechnology IV SEM	Dr. Sheeba Vasu	Jawaharlal Nehru Centre for Advance Scientific Research	"Elucidating the spatial and temporal pattern of INNEXIN 1 in adult Drosophila melanogaster brain"

DEVI AHILYA VISHWAVIDYALAYA, INDORE

SCHOOL OF BIOTECHNOLOGY

Dissertation List

M.Sc. Genetic Engineering 2023

S.No.	Student Name	Course	Supervisor Name	Place and Address of the Institute, where you have completed your dissertation.	Title of the dissertation thesis
1	Aayushi chaturvedi	M.Sc. Genetic Engineering IV SEM	Dr. Avinash Mishra (senior principal scientist)	Central salt and marine chemicals research institute (CSIR -CSMCRI) Bhavnagar Gujarat	Transformation In Groundnut (Arachis hypogaea) and production of Transgenic lines
2	Akhil singh karchuli	M.Sc. Genetic Engineering IV SEM	Mrs. Kiran Bala and Dr. Hamendra parmar	IIT Indore, department of Biosciences and biomedical engineering Madhya pradesh	Drug Repurposing of a cardioprotective drug for the treatment of diabetes
3	Gargi A. Deshkar	M.Sc. Genetic Engineering IV SEM	Dr. Manisha Ghate	ICMR-NARI, clinical care and research institute, Model Colony, Pune.	An overview of clinical research studies going on at NARI-ART center
4	Kanchan namdeo	M.Sc. Genetic Engineering IV SEM	Dr.Naheed Perveen sheikh	Institute of Animal health and veterinary biological, MHOW, Indore.	Detection and validation of fix Pasteur strain of Rabies virus by direct fluorescent antibody test with comparison to old method.
5	Mansi Sharma	M.Sc. Genetic Engineering IV SEM	Dr. Kailash Chandra Naga	ICAR-CPRI, Shimla, Himachal Pradesh	Molecular identification of entomopathogenic fungi infecting green peach aphid, myzus persicae
6	Mohd Yunus khan	M.Sc. Genetic Engineering IV SEM	Dr. Abdur Rub	JAMIA Millia Islamia, New Delhi.	Evaluation of Antileishmanial Activity of the given Medicinal Plant Extract PE-PA-A
7	Mrunal Ghare	M.Sc. Genetic Engineering IV SEM	Dr. K.R.Soren	ICAR-IIPR, Indian Institute of Pulses Research, Plant Biotechnology Division, Kalyanpur, Kanpur, U.P., 208019	Metabolite analysis of chickpea contrasting varieties for Bruchid resistance
8	Nikita Barde	M.Sc. Genetic Engineering IV SEM	Dr. Rashmi Shrivastava	Laser Biomedical Applications Division, RRCAT, Indore (MP)	Effect of calcium channel Blockers on voltage gated and light gated calcium ion channels.

9	Pratibha Das	M.Sc. Genetic Engineering IV SEM	Dr. Siddharth Tiwari	National Agri-Food Biotechnology Institute, Sector-81, Mohali, Punjab - 140308	Characterization of transgenic lines of Musa acuminata cv. Grand Naine using Molecular biology techniques
10	Puranjaya Pancholi	M.Sc. Genetic Engineering IV SEM	Dr. Pushkar Sharma	National Institute of Immunology, Aruna Asaf Ali Marg, Jawaharlal Nehru University, New Delhi, Delhi 110067	Cloning, Expression and Purification of Plasmodium falciparum Protein Kinase 2 and its mutant
11	Ram patel	M.Sc. Genetic Engineering IV SEM	Dr. Bappaditya Dey	National Institute Animal Biotechnology (NIAB) Hyderabad	Cloning and expression of PepA -an immunodominant antigen of Mycobacterium avium subsp. Paratuberculosis
12	Rohit rajput	M.Sc. Genetic Engineering IV SEM	Dr. Damodar Gupta "Sci-F"	Institute of Nuclear medicine and allied sciences DRDO, New Delhi	Assessment of the effects of radiation on Biological system: invitro and invivo studies
13	Sapna Mishra	M.Sc. Genetic Engineering IV SEM	Dr. Naheed Perveen Sheikh	Institute Of Animal Health And Veterinary Biological Mhow Indore	Exploring alternative growth media for Enterotoxaemia vaccine
14	Satya Tamrakar	M.Sc. Genetic Engineering IV SEM	Dr. Pushpendra Singh , Scientist E, ICMR-NIRTH	Indian Council of Medical Research- National Institute of Research in Tribal Health (ICMR- NIRTH) Jabalpur, M.P.	Molecular drug susceptibility testing of Rifampicin in Mycobacterium leprae from leprosy patients in Jabalpur, Madhya Pradesh.
15	SEJAL DANGOLIA	M.Sc. Genetic Engineering IV SEM	Dr. Sourish Bhattacharya	CSIR-CSMCRI, bhavnagar, Gujarat	Optimization of upstream condition in selected microalgae for improving biomass for high value products
16	Shivam Jaiswal	M.Sc. Genetic Engineering IV SEM	Dr. Meera Purushottam	Molecular Genetics Lab, Department of Psychiatry, National Institute of Mental Health and Neuroscience, Bengaluru	Investigating the Relationship between Stress and Methylation levels in the 5-HTTLPR region
17	Tanuja Nadiwal	M.Sc. Genetic Engineering IV SEM	Dr. Doongar Ram Chaudhary	CSIR - Central Salt and Marine research institute (CSIR - CSMCRI), Bhavnagar, Gujarat 463002	Characterization of Halotolerant Plant Growth Promoting Rhizobacteria Isolated from Halophytes of Gujarat coast
18	Vaidehi Sisodiya	M.Sc. Genetic Engineering IV SEM	Dr. Sweta singh scientist E	Institute of Nuclear Medicine & Allied Sciences (INMAS-DRDO), New Delhi	Optimization of calvarial bone defect SD rat model and evaluation of scaffold for bone regeneration.
19	Vedna Porpant	M.Sc. Genetic Engineering IV SEM	Dr. Mangal Singh rathore	CSIR-CSMCRI BHAVNAGAR GUJARAT	Physio- biochemical responses of Kappaphycus alvarezii under varied temperature stress.

DEVI AHILYA VISHWAVIDYALAYA, INDORE**SCHOOL OF BIOTECHNOLOGY****Dissertation List****M.Sc. Bioinformatics 2023**

S.No.	Student Name	Course	Supervisor Name	Place and Address of the Institute, where you have completed your dissertation.	Title of the dissertation thesis
1	Niskarsh Vikram Singh	M.Sc. Bioinformatics IV SEM	Dr. B. Jayaram	Indian institute of Technology Delhi	Bioactivity of Indian Medicinal Plants: Accumulation of Structural information's for naturally occurring organic compounds and their potential target prediction
2	YOGESH SARBARIYA	M.Sc. Bioinformatics IV SEM	Dr. Kinshuk Raj Srivastava	CSIR- Central Drug Research Institute, Lucknow, 226031	Generative reinforcement learning based discovery of Lead molecules for neuropsychiatric
3	Anupam Goswami	M.Sc. Bioinformatics IV SEM	Dr. Kinshuk Raj Srivastava	CSIR-Central Drug Research Institute, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow-226031 Uttar Pradesh, INDIA	GPCR targeting, AI driven in-silico molecule discovery and design for neurological disorders
4	Damini Wadhekar	M.Sc. Bioinformatics IV SEM	Dr. Shuchi Nagar	DR. D. Y. PATIL BIOTECHNOLOGY & BIOINFORMATICS INSTITUTE, PUNE	Target selection of miRNA and drug repurposing for lymph node cancer metastasis
5	Pranav Kendurkar	M.Sc. Bioinformatics IV SEM	Dr. Nagarjun Vijay	Indian Institute of Science Education and Research, Bhopal	Evolutionary consequences of gene loss: Literature Review
6	Shweta Hiralkar	M.Sc. Bioinformatics IV SEM	Dr Senthil Kumar Muthappa	National Institute of Plant Genome Research	WEBPAGE DEVELOPMENT FOR INTEGRATION OF PLANT COMBINED STRESS PHENOMIC DATA INTO A DATABASE
7	Kritika Joshi	M.Sc. Bioinformatics IV SEM	Mr. Sanyam Sharma	Algreen limited, unit 950, 9/F, Building 19W, Science Park West Avenue, Hong Kong	Machine Learning using Alzheimer Data

8	Rachana mandloi	M.Sc. Bioinformatics IV SEM	Nisha chouhan	Itrainu institute indore	Aws networking
9	Vishruti Solanki	M.Sc. Bioinformatics IV SEM	Dr mohammad Imran Siddiqi	CSIR-CDRI Research Institute lucknow, Sitapur Rd, Sector 10, Jankipuram Extension, Lucknow, Uttar Pradesh 226031	Targeting metabolic pathways of filarial parasites using computational modelling and structure- based strategies
10	Shivangi Saxena	M.Sc. Bioinformatics IV SEM	Dr. B. Jayarama	Indian Institute of Technology Delhi, Hauz Khas, New Delhi	Bioactivity of Indian Medicinal plants: Exploration of known and Experimental Drug Targets and physicochemical properties based druglikeness prediction for organic compounds
11	Dhananjay sharma	M.Sc. Bioinformatics IV SEM	Dr. Gitanjali yadav	National institute of plant genome research, New delhi, india	Creation of gold standard for phytochemical data science
12	Shivangi Dwivedi	M.Sc. Bioinformatics IV SEM	Dr. Mohd Imran Siddiqi	CSIR-CDRI research institute sector 10 jankipuram extension lucknow (U.P)	Structure based approaches for targeting plasmodium falciparum enzymes with small molecules.
13	Rajeshwari Sharma	M.Sc. Bioinformatics IV SEM	Mr.Deepesh Goud	Nict technologies Pvt Ltd	Design and development of a Comprehensive iOS School App to Boost Communication and Learning
14	Ananya Rai	M.Sc. Bioinformatics IV SEM	Dr. Mohammad Imran Siddiqi	CSIR- CENTRAL DRUG RESEARCH INSTITUTE, Lucknow , Uttar Pradesh, 226031	In-silico studies on ACS and GlcN6P isomerase of Leishmania donovani in search of anti- Leishmanial compounds.
15	Sheetal Gaikwad	M.Sc. Bioinformatics IV SEM	B. Jayaram	SCFBio, Indian Institute of technology, delhi	Design of an Ancestral Sequence Reconstruction Pipeline: Computational Analysis of Ancient enzymes
16	Pavan Singh	M.Sc. Bioinformatics IV SEM	Dr. Mohammad Imran Siddiqi (Senior principal scientist - Biochemistry and structural biology division)	CSIR-Central Drug Research Institute, sector 10, Jankipuram extension sitapur road, Lucknow (UP)	Computational identification of potential inhibitors against Acetyl CoA Synthetase and Phosphoglucosamine Mutase in Mycobacterium tuberculosis.

17	Aashu Paraswani	M.Sc. Bioinformatics IV SEM	Prof. Sandeep Tiwari	Institute of Biology (Microbiology) & Institute of Health Sciences (Immunology) Federal University of Bahia,Salvador, BA,Brazil	In Silico Discovery of Therapeutic Targets and Immunogenic Candidates against Yersinia pestis
18	Kiran Vishwakarma	M.Sc. Bioinformatics IV SEM	Prof. Sandeep Tiwari	Institute of Biology (Microbiology) & Institute of Health Sciences (Immunology) Federal University of Bahia,Salvador, BA,Brazil	Bioinformatics-driven Identification of Drug Targets and Vaccine Candidates in Enterococcus faecium
19	Anuradha Yadav	M.Sc. Bioinformatics IV SEM	Prof. B. Jayaram	Supercomputing Facility for Bioinformatics & Computational Biology, Indian Institute of Technology, Delhi	â€œBioactivity of Indian Medicinal Plants:Physicochemical Properties Prediction for Organic Compounds and Investigating