



## Institute of Biosciences & Technology, Aurangabad

Ph.D. Student Details 2021-22

Sr. No.	Faculty of Basic & Applied Science	Name of Ph.D. Scholar	Name of Guide	Research Topic
1	Ph.D. Biotechnology	Aishwarya D. Jagtap	Dr. Sanjay Harke	Designing and engineering of CO <sub>2</sub> -Fixation Pathway by synthetic biology in cyanobacteria
2	Ph.D. Biotechnology	Shazia Shadab Mazhar	Dr. Sanjay Harke	Exploring the association of fungal-host interaction with the help of CRISPR Cas9 in Model Organism.
3	Ph.D. Biotechnology	Manasi Dhawlekar	Dr. Sanjay Harke	Production and purification of p53 protein and modification of p53 protein with the help of promoter engineering.
4	Ph.D. Biotechnology	Patel Ruhina Afroz	Dr. Sanjay Harke	Mining Human Gut Microbiome & its Correlation with Brain-Gut axis in Clinically Depressed Patients
5	Ph.D. Biotechnology	Komal Kadam	Dr Sanjay Harke	Production purification and characterization of recombinant glycosyltransferase enzyme
6	Ph.D. Biotechnology	Trupti Digambarrao Kadam	Dr. Ashok Kharde	In-vitro studies on Cordyceps militaris for optimization and elicitation of metabolites Application of ceramic membrane Filter
7	Ph.D. Biotechnology	Anurag Sunil Chavan	Dr Sanjay Harke	Application ceramic membrane filter in Industrial west water treatment
8	Ph.D. Biotechnology	Sobiya Khanam	Dr Sanjay Harke	To Study different factors affecting on Drosophila aging with the help of genotypic and phenotypic traits
9	Ph.D. Microbiology	Priyanka S. Patil	Dr. Nileema Gore	Production of antifungal agent for control of Rhizoctonia and Fusarium by rhizospheric bacteria of medicinal plants.
10	Ph.D. Microbiology	Shaikh firdous isaq	Dr. Nileema Gore	Effect of transgenic cotton endophytic bacteria on plant growth promotion
11	Ph.D. Plant Biotechnology	Kiran Pawar	Dr Ashwin Kishrsagar	Secondary metabolite production of bhilwanol in semecarpus anacardium L. using hairy root culture
12	Ph.D. Bioinformatics	Krutanjali patil	Dr. Archana Panche	Database Development and analysis of Brain MRI Images of Dementia Patients using Machine learning Techniques.

13	Ph.D. Plant Biotechnology	Rahul Jitendra Janephalkar	Dr. Ashwin Kshirsagar	Micropropagation and validation of genetic and biochemical fidelity of plant
14	Ph.D. Plant Breeding & Molecular genetics	Krutika Shriram Dhondge	Dr. Madhukar Chavan	To Improve the Breeding for Enhancement of Lycopene in Tomato. Field: Plant Breeding & Mol. Genetics
15	Ph.D. Food Technology	Shaikh Saboor	Dr. Rahul Salve	Studies on Preparation of Functional Beverage
16	Ph.D. Food Technology	Vitthal Ram Chavhan	Dr. Rahul Salve	studies on Utilisation of fruit pomace as functional ingredient in Development of Bakery and Confectionery Products
17	Ph.D. Food Technology	Syed Ayesha	Dr. Rahul Salve	Studies on Utilization of Nutraceuticals of Linseed, Kalonji and Cinnamon in Food Products
18	Ph.D. Food Technology	Bhushan Aware	Dr. Rahul Salve	Development of Process for Multigrain Flour (Atta) and Study of Its Nutritional, Rheological and Product Making Characteristics
19	Ph.D. Food Technology	Supriya Kamble	Dr. Manmath Sontakke	Development of Biosensor for the detection of food freshness.
20	Ph.D. Food Technology	Mohsin Shabbir	Dr. Manmath Sontakke	Development & Formulation of Chocolate Fortified with Dates Seeds powder & Jamun Seeds powder.
21	Ph.D. Food Technology	Nilesh Kelapure	Dr. Manmath Sontakke	Studies on Extraction & Utilization of Protein Concentration from oilseed meal in food products.
22	Ph.D. Food Technology	Mahesh Kumar	Dr. Rahul Salve	Extraction and Encapsulation of Betel leaves Essential oil and Product Formulation
23	Ph.D. Food Technology	Pooja Wandhekar	Dr. Manmath Sontakke	Extraction of Exopolysaccharide from lactic acid bacteria and its utilization as a novel food additive in food products.