

Research center information:

Started in the year 2011, recognised center under VTU

Eligible Guides:

- i) Dr. Bharati S Meti
- ii) Dr. Virupakshaiah DBM
- iii) Dr. Sharada P

Major Research areas in the department:

1. Biofuels
2. Food processing & Technology
3. Protein biochemistry
4. Bioinformatics and Computational Biology
5. Molecular Physiology

Ph.D student details registered in the department:

Sl. No.	Name of the Research Scholar	University Seat Number	Name of the Guide	Name of the CoGuide	Year of Registered	Registered for		Status of Completion of		
						Ph.D.	M.Sc. (Engg.) by Research	Course work [Y/N]	Comprehensive Viva-Voce [Y/No]	Submitted Final Thesis [Y/N]
1	UdayMorbhad	2BA11MGN01	Dr. Bharati S Meti	-	2011	-	✓	Y	-	Awarded
2	Madhumala Y.	2BA11PGM02	Dr. Veena Soraganvi	Dr. Bharati S Meti	2011	✓	-	Y	Y	N
3	K. Bhat	2BA11PGM03	Dr. Bharati S Meti	Dr. K Chandrashekar	2011	✓	-	Y	Y	Y

4	G. B. Megeri	2BA11PGM04	Dr.G.M. Madhu	Dr Bharati S Meti	2011	✓	-	Y	Y	N
5	Premjyoti C. Patil	2BA11PGM05	Dr. Bharati S Meti	-	2011	✓	-	Y	Y	N
6	Shilpa K. Jigajinni	2BA12PGN01	Dr. MSRC Murthy	Dr Bharati S Meti	2012	✓	-	Y	N	N
7	Preeti S. Kumarmath	2BA13PGN03	Dr. Sharada P.	-	2013	✓	-	Y	N	N
8	SushmaHallad	2BA13PGN04	Dr. Bharati S Meti	Dr Virupakshaih DBM	2013	✓	-	N	N	N
9	Hemalata V.B.	2BA13PGN05	Dr. Virupakshaih DBM	-	2013	✓	-	Y	Y	
10	Shivaleela V.B.	2BA13PGN06	Dr. MSRC Murthy	Dr Sharada P	2013	✓	-	Y	Y	N
11	Vikas C Gattaragi	2BA15PGJ02	Dr. Bharati S Meti	-	2014	✓	-	Y	Y	N
12	Asiya M Rozindar	2BA16PGJ02	Dr. Virupakshaih DBM	-	2015	✓	-	Y	N	N
13	Mahananda B Math	2BA16PGJ01	Dr. Virupakshaih D.B.M	-	2015	✓	-	N	N	N
14	Pavanakumar	2BA16PGJ03	Dr. Bharati S Meti	Dr Manjunath G	2015	✓	-	Y	Y	N
15	SujataJagadish	2BA17PGS02	Dr. Virupakshaih D.B.M	-	2015	✓	-	N	N	N
16	Mallikarjun Goni	2BA17PGS01	Dr. Virupakshaih D.B.M	-	2017	✓	-	N	N	N

Ph. D Research Topics

- 1) Adsorption of lead and cadmium using synthesized nanometal oxides
- 2) Biofilm induced reduction of hexavalent chromium by indigenous microbes.
- 3) Studies on biomass, lipid enhancement and molecular characterization of *Cholerella* spp. for Biofuel production
- 4) Design and development of a sensor for real time monitoring of transesterification progress in reaction chamber for Biodiesel production
- 5) Biochemical and Molecular Studies on antioxidant properties of *Bryophyllum pinnatum*
- 6) Enzymatic production of biodiesel from *Pongamia pinnata* seed oil
- 7) Study on the production of Ethanol from Cellulosic material by Biochemical process
- 8) Bacteriophage are alternative biocontrol agents to prevent the food born *Pseudomonas* spp.
- 9) Biochemical properties for recombinant tly-A protein *Mycobacterium tuberculosis*
- 10) Evaluation of human gut isolates as potential probiotics
- 11) Development of phages from dairy products to control pathogens-*Listeria monocytogenes*
- 12) Production of human chymase from yeast to treat chronic disorders like asthma
- 13) Bio- formulations for enhanced resistance against bacterial blight of Pomegranate
- 14) A potential targets for controlling cancer growth and metastasis through sialyltransferase
- 15) Bacteriophage therapy for food born *Klebsiella* species