

Department of Chemical Engineering

Research Center

The Department of Chemical Engineering is recognized as research center by VTU, Belagavi (Ref No: VTU/Aca-Res-Cen/2014-15/2960) to pursue Doctoral Research and MSc. (Engg.) course from 2014-15. The department has increased its research facilities through external and internal funding. Three students have registered for doctoral research in the research center of the department.

List of Research Guides

Sl. No	Name of Guide	Designation	University affiliated
1.	Dr. Shivanand. Y. A	Associate Prof.	Visvesvaraya Technological University
2.	Dr. Keshava Joshi	Asst Prof.	Visvesvaraya Technological University
3.	Dr. Lokeshwari Navalgund	Asst Prof.	Visvesvaraya Technological University

Department of Chemical Engineering
PhD students Registered at Research Centre

Sl. No	Name of the Faculty	Details of PhD Guidance		
		Project title	Details of the students	Year of Registration And awarded
1	Dr. Sreekanth. B	Study on the use of Iron oxide Nanoparticles for the adsorption of Textile Dyeing Industrial Effluents	Mr. Krishna H Gurlhosur, Asst. Prof. Dept. of Chemical Engg., REC, Hulkoti, Gadag, Karnataka	Registered in 2014-15 Awarded in 2018-19
2	Dr. Keshava Joshi	Studies on simultaneous removal of nitrate and carbon using spouted bed reactor	Mr. Kiran Rathod Asst Prof, Department of Chemical Engineering, SDMCET-Dharwad	Registered in 2016-17
3	Dr. Keshava Joshi	Intensification of Heat Transfer & Pressure Drop Adopting Inserts in Laminar Region of Tube Side Viscous Fluid in Double Pipe Heat Exchanger	Mr. Prashant B. Dehankar Asst. Prof, Department of Chemical Engineering. TKIET, Warnangar	Registered in 2017-18

Research Infrastructure Facilities

SL. No.	Facilities
1.	Online Nitrate/TOC/COD analyzer
2.	UV – VIS Spectrophotometer
3.	Dissolved Oxygen meter
4.	Laminar Air Flow
5.	Micro Centrifuge
6.	Cooling Centrifuge
7.	Peristaltic Pump
8.	Air Compressor
9.	Auto Clave – Digital
10.	Incubator shaker
11.	Ball mill
12.	Jaw crusher
13.	Boiler
14.	Furnace
15.	Oven
16.	Flame photometer
17.	pH meter
18.	Respirable dust sampler
19.	Fine particulate sampler
20.	Gaseous pollutant sampler

**Department of Chemical Engineering
Faculty/Student Research Grant**

Sl. No.	Name of the Faculty	Project Title	Funding agency	Amount	Principle Investigator/ Team Members	Sanctioned Year/ Completed
1.	Dr. Keshava Joshi	FDP Titled: Recent advances in waste treatment and recycle	VGST Bangalore	2 Lakh	PI: Dr. Keshava Joshi	2019-20
2.	Dr. Shivanand Y. A	Production Characterization and Utilization of Fuel Oil Derived from Waste Windshield.	VGST Bangalore	20 Lakhs	PI: Dr. Shivanand Y. A	2019-20 Ongoing
3.	Dr. Lokeshwari. N	Emission inventory and source apportionment studies of air pollution at Hubli-Dharwad city and implementation of management strategies	VGST Bangalore	20 Lakhs	PI: Dr. Lokeshwari. N	2018-19 Ongoing
4.	Dr. Keshava Joshi and Dr. Lokeshwari N	Studies on air quality assessment and source apportionment studies in Hubli-Dharwad City	KSCST-SPP, Bangalore	7000.00	Mentor	2018-19 Completed
5.	Prof. S.S. Inamdar	Morphological analysis and Biodiesel from Microalgae (MA & BM)	KSCST-SPP, Bangalore	7500.00	Mentor	2018-19 Completed
6.	Dr. Rashmi S. H and Dr. A. A. Kittur	Electrical and Gas Sensing Studies of Polymer Nanocomposites	KSCST-SPP, Bangalore	7000.00	Mentor	2018-19 Completed
7.	Dr. Lokeshwari. N	Studies on denitrification using spouted bed draft tube reactor and scale up.	KSCST-SPP, Bangalore	5000.00	Mentor	2017-18 Completed
8.	Prof. Rashmi. S.H	Conducting polymer doped with metal oxide for sensing applications.	KSCST-SPP, Bangalore	7000.00	Mentor	2017-18 Completed

9.	Dr. Lokeshwari. N	Isolation, identification and characterization of nitrifying bacteria	KSCST-SPP, Bangalore	6000.00	Mentor	2016-17 Completed
10.	Prof. Rashmi. S.H	Extraction of chitin from prawn shell, preparation of chitosan by biological method and applications.	KSCST-SPP, Bangalore	6500.00	Mentor	2016-17 Completed
11.	Dr. Keshava Joshi	Denitrification of Industrial / Municipal Waste Water using Spouted Bed Bioreactor	VGST, Bangalore	20 Lakhs Two years	PI- Dr. Keshava Joshi	2015-16 Completed
12.	Dr. Lokeshwari. N	Characterization and comparison of fly ash core and honeycomb core sandwiched composite material	KSCST-SPP Bangalore	5000.00	Mentor	2015-16 Completed