

Department of Chemistry Research Centre

Research Centre Details:

Number of Guides:

Sl. No	Name of the Guide	Area of Research	No. of Ph.D's Guided	No. of Ph.D's Guiding
1	Dr. B E Basavarajappa	Organic Chemistry. Bio chemistry Environmental Chemistry Medicinal Chemistry	06	01
2	Dr. H R Mallikarjuna	Coordination Chemistry	00	02

Research Students:

Sl. No.	Name of the Research Student	Name of the Guide	Area of Research	Present Status
1	J K Prasannakumar	Dr. B E Basavarajappa	Wood chemistry	Completed the pre-Ph.D Comprehensive
2	Sri.Arunkumar N. S	Dr. H R Mallikarjuna	Coordination Chemistry	Course work in Progress
3	Smt. Veena K P	Dr. H R Mallikarjuna	Coordination Chemistry	Course work in Progress

Ph.D Degree Awarded

Sl. No	Name of the Student	Name of the Guide	Area of Research	Year of Award
1	Dr. B M Kulkarni	Dr.S.Shanmukhappa	Organic Chemistry	2008
2	Dr C M Kalleshappa	Dr.S.Shanmukhappa	Environmental Chemistry	2010
3	Dr. Mangesh Mantri	Dr.S.Shanmukhappa	Pharmaceutical Chemistry	2013
4	Dr. Anilkumar M R	Dr.S.Shanmukhappa	Pharmaceutical Chemistry	2018
5	Shamala T	Dr.S.Shanmukhappa Dr. B E Basavarajappa	Medicinal Chemistry	2019

Publication Details : Representative publications : Last Three years:

Sl.No	Name of the faculty	Title of the paper with page no	Journal	Year of Publication	Peer reviewed /impact factor/citations/index	No of co-authors
1	Dr. B E Basavarajappa Shamala T	Antimicrobial Activity of Bauhinia Purpurea (L) by Minimum Inhibitory Concentration (MIC) Method	IOSR Journal of Pharmacy and Biological	2017	Peer reviewed / NA	03
2	Dr. B E Basavarajappa Shamala T	Study on muscle relaxing potential of ethanolic extract of bark of Bauhinia Purpurea (L)p	IOSR Journal of Pharmacy and Biological	2018.	Peer reviewed / NA	03
3	S.Shanmukhappa Anilkumar M R	Synthesis, Characterization, and Antimicrobial Activity of Some Transition metal complexes with Schiff Base	Journal of Applicable Chemistry	2018	Peer reviewed / NA	03
4	S.Shanmukhappa Anilkumar M R	Synthesis, spectral characterization and some biological studies of transition metal complexes with Schiff base ligand containing N,O and S as donor atoms	Journal of Advances in Chemistry	2019	Peer reviewed / NA	04

5	J K Prasannakumar	Novel Chemical modification of cellulose using reactive dyes	Journal of Applicable chemistry	2020	Peer reviewed / NA	04
6	J K Prasannakumar	Efficient synthesis and characterization of novel 2H-[1,4]oxaselenepino[5,6-b]quinolin-3(5H)-ones derivatives .	Chemical Data Collections 000 (2020) 100446, https://doi.org/10.1016/j.cdc.2020.100446 2405-8300/© 2020 Elsevier.	2020	Peer reviewed	10

Patent Details: NA

Grant Details : Departmental projects funded by DST-FIST, VGST, KSCST, etc.

Sl.No.	Year	Funding Agency	Amount Sanctioned in Rs	Title of the Project	Name of Principal Investigator
1	2012	DST-women Scientist India	19,40,000.00.	Optimization of Biomethanation process for High TDS spent wash form Distilleries	Dr. Manjappa S
	2008-2012	VTU-VGST	39,10,000.00	Optimization of Cellulosic Ethanol Production From Feed Stocks.	
	2013	KSCST	98,000.00	Study on the Environmental Emission Monitoring Status of Rice Mills at Davangere District	
2	2013	KSCST, Karnataka	25,000.00	Aquifer mapping and location of sustainable sites for ground water recharging in Jagalur taluk of Davangere District	Dr. B.E.Basavarajappa
3	2014	KSCST, Karnataka	25,000.00	Impact of recharge on aquifers system and underground water quality in parts of Jagalur District	Dr. B.E.Basavarajappa
4	2015	KSCST, Karnataka	5,000.00	An experimental investigation on removal of dyes and COD from Textile waste water using functionalised lingo cellulosic materials.	Dr.G.K.Prakash
Total			60,03,000.00	Sixty Lakh Three Thousand Only	

Name of the Laboratory

Chemistry Research Chemistry

Research Centre Coordinator

Dr. H.R. Mallikarjuna

This laboratory was started functioning from the year 2004, it is utilized to carry out research activities and to carry out various interdisciplinary student research projects.

Name of the Laboratory

List of Major Instruments

Chemistry Research Centre

1. Electronic balance
 2. Magnetic stirrer
 3. Hot Plate
 4. Centrifuger
 5. Digital Water bath
 6. BOD incubator
 7. Sox let extraction unit
 8. Hot air oven
 9. COD Digester
 10. RO Unit
- Ion Exchange Unit

