

## Eligibility & Regulations:

1. <http://research.vtu.ac.in/>,
2. <https://vtu.ac.in/en/ph-d/#>
3. <https://vtu.ac.in/en/msc/>
4. <https://vtu.ac.in/en/ph-d-syllabus/>

## Research Supervisors:

Sl No.	Name	Designation	Specialisation
1.	Dr. Chandrakumar K	Professor & HOD	Crystallography
2.	Dr. Balasaraswathy S	Assistant Professor	Applied Spectroscopy

## Publications:

SL. No	Year	Name of the Author	Title of the Paper	Type	Citation Index
1	2018	<b>Balasaraswathy S,</b> Ramamurthy N, Sivasakthivelan P	Decolorization And Biodegradation Studies Of The Textile Effluent Treated By Trametes Versicolor	International Journal	Vol-8, Issue 1, p. 44-48, ISSN: 2231-4490
2	2018	<b>V. Pant, Ajanta Datta,</b> D.Banerjee, K. Chandrashekhar, S.Krishna Prasad	Ray Twisting/Swirling Motions during a Prominence Eruption as Seen from SDO/AIA	International Journal	Vol860:80 (11pp) ISSN: 1538-4357
3	2017	<b>K.ChandraKumar,</b> S.Balasaraswathy,B. M.Rajesh, Chandra	2-Amino-N-(furan-2-ylmethyl)-5, 6-dihydro-4H-cyclopenta[b]thiophene-3-carboxamide	International Journal	IUCr Data (2017).Vol2 , x171211, ISSN: 2414-314
4	2015	<b>V. Pant, Ajanta Datta,</b> D. Banerjee	Flows And Waves In Braided Solar Coronal Magnetic Structures	International Journal	Vol. 801:L2 ISSN: 20418205
5	2015	<b>Ajanta Datta,</b> S. Krishna Prasad,Dipankar Banerjee	Propagating disturbances along a coronal loop from simultaneous EUV imaging and spectroscopic	International Journal	Vol. 15 No. 7, 1027–1035, ISSN : 2397-6209

			observations		
6	2012	N. Ramamurthy, S. <b>Balasaraswathy</b> , P. Sivasakthivelan	Spectroscopic Studies on the Biodegradation of Textile Effluent By White Rot Fungus <i>Trametes hirsute</i>	International Journal	Vol 11, No. 2, P. 225-228, ISSN: 0972-6268
7	2011	N.Ramamurthy, S. <b>B alasaraswathy</b> , P.Sivasakthivela	Biodegradation And Physico-Chemical Changes Of Textile Effluent By Various Fungal Species	International Journal	Vol. 21, No. 2, P. 113–123. ISSN: 1220-515X
8	2005	<b>K. Chandra Kumar</b> , V. Umesh, T. K. Madhura, B. M. Rajesh, Chandra	Crystal structure of 2-amino-N-(2-fluorophenyl)-4, 5, 6, 7-tetrahydro-1-benzothiophene-3-carboxamide	International Journal	VolE71 , o807-o808, ISSN: 2056-9890
9	2008	<b>K. Chandra Kumar</b> , M. K. Kokila, Puttaraja, J. Saravanan, Manohar V. Kulkarni	2-Amino-N-(2-methoxyphenyl)-4,5-dimethylthiophene-3-carboxamide	International Journal	Vol. E64, o1311, ISSN: 1600-5368
10	2007	<b>K. Chandra Kumar</b> , M. K. Kokila, Puttaraja, S. Mohan and J. Saravanan	2-Amino-N-(2-methoxyphenyl)-4, 5, 6, 7-tetrahydro-1-benzothiophene-3-carboxamide	International Journal	Vol.E63, o3009, ISSN 1600-5368
11	2006	<b>K.Chandrakumar</b> , M. K. Kokila, Puttaraja, S. Mohan, J. Saravanan, M. V. Kulkarni	Ethyl 2-amino-6-methyl-4, 5, 6, 7-tetrahydrothieno [2, 3-c] pyridine-3- carboxylate monohydrate	International Journal	Vol.E62, o2457–o2459, ISSN N 1600-5368
12	2005	<b>K.Chandrakumar</b> , M. K.Kokila, Puttaraja, S. Mohan, K. S. Manjunath Shetty	2-(Acetylamido)-N-(4-chlorophenyl)- 4, 5, 6, 7-tetrahydro-1-benzothiophene-3-carboxamide	International Journal	Vol.E61, o2444–o2446, ISSN N 1600-5368
13	2005	<b>K. Chandra Kumar</b> , M. K. Kokila, Puttaraja, S.Mohan, K. S. Manjunath Shetty, Manohar V. Kulkarni	2-Acetamido-N-(2-chlorophenyl)-4,5,6,7-tetrahydrobenzothiophene-3- carboxamide	International Journal	Vol.E61, o304–o306, ISSN: 1600-5368

## **Research Projects:**

### **Ongoing Research 1:**

<b>Research Supervisor: Dr. Chandra Kumar K</b>			
<b>Title: Structure and Molecular docking studies of some medicinally important heterocyclic compounds</b>			
<b>Research Scholar</b>	<b>USN</b>	<b>Full time/ Part time</b>	<b>Status of Progress</b>
Madhura T K	1HK16PGJ02	Part time	Completed Course Work Waiting for Comprehensive Viva

### **Ongoing Research 2:**

<b>Research supervisor: Dr.Balasaraswathy S</b>			
<b>Title: Optical and magnetic studies of few group II-VI semiconductor nanoparticles and core shells</b>			
<b>Research Scholar</b>	<b>USN</b>	<b>Full time/ Part time</b>	<b>Status of Progress</b>
Uma Praveen	1HK19PPY01	Part time	Course Work under progress Literature survey in progress.