

## PROFILE

Name	Dr. PREETHA S
Position & Affiliation	Associate Professor, Department of BS
Areas of Interest	Teaching and Research
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Professional Webpage (if any)	NIL

### **Educational Qualifications:**

Ph.D	VTU, Belgaum, Karnataka	India	2023
SET	Govt. of Kerala	India	2002
M.Sc	Cochin University of Science and Technology (CUSAT), Kerala	India	2002
B.Ed	University of Kerala	India	1998
B.Sc	University of Kerala	India	1996

### **Areas of Research:**

Synthesis and characterization of nanomaterials

### **Brief Profile: (write about yourself)**

Working as Associate Professor in the Department of Chemistry, Cambridge Institute of Technology, Bangalore. Completed Ph.D in Chemistry from VTU, Belgaum, Karnataka. Teaching experience-21 years. The areas of interest are Teaching and research. Worked as Lecturer in SVCE, Bangalore from 2007-2010. Associated with CiTech from September 2010 onwards.

### **Awards/Achievements/Others: NIL**

### **Courses Taught:**

Applied Chemistry Theory and Lab For B.E I/II Semester students

### **Publications/Patents:**

Publications	<ol style="list-style-type: none"> <li>1. S. Preetha, R. Pillai, S. Ramamoorthy, A. Mayeen, K. M. Archana, N. Kalarikkal, B. Narasimhamurthy, TiO<sub>2</sub> –rGO nanocomposites with high rGO content and Luminescence Quenching through Green Redox Synthesis. Surf. Interfaces. Elsevier, Volume 30, June 2022, 101812, ISSN:2468-0230. <a href="https://doi.org/10.1016/j.surfin.2022.101812">https://doi.org/10.1016/j.surfin.2022.101812</a></li> <li>2. Preetha S, S. Ramamoorthy, R. Pillai, B. Narasimhamurthy, I. C. Lekshmi, Influence of Lanthanum-doping on Photocatalytic Activity of Magnetic BiFeO<sub>3</sub> Nanocrystals for Sunlight driven Degradation of Metachrome Yellow. Mater. Today: Proc. Elsevier, Volume 62, Part 8, 2022, Pages 5396-5401,ISSN:2214-7853. <a href="https://doi.org/10.1016/j.matpr.2022.03.608">https://doi.org/10.1016/j.matpr.2022.03.608</a></li> <li>3. Preetha S, S. Ramamoorthy, R. Pillai, B. Narasimhamurthy, I. C. Lekshmi. Synthesis of rGO-nanoTiO<sub>2</sub> Composite Mixture via Ultrasonication Assisted Mechanical Mixing Method and their Photocatalytic Studies. Mater. Today: Proc. Elsevier, Volume 62, Part 8, 2022, Pages 5605-5612, ISSN: 2214-7853. <a href="https://doi.org/10.1016/j.matpr.2022.04.816">https://doi.org/10.1016/j.matpr.2022.04.816</a></li> <li>4. Preetha S, I. C. Lekshmi, Bandgap Variations and Photodegradation Efficiency on Inclusion of SiO<sub>2</sub> in TiO<sub>2</sub>-rGO Nanocomposite for High Performance Photocatalysis, Journal of Physics: Conference Series, IOP publishing, 2332 (2022) 012016, ISSN: 1742-6596. <a href="https://doi.org/10.1088/1742-6596/2332/1/012016">https://doi.org/10.1088/1742-6596/2332/1/012016</a></li> <li>5. R. Pillai, Preetha S, B. Narasimhamurthy, I. C. Lekshmi, Biosensing of catechol via amperometry using laccase immobilized nickel oxide/graphite modified screen-printed electrodes. Mater. Today: Proc. Elsevier. Volume 62, Part 8, 2022, Pages 5434-5438, ISSN: 2214-7853. <a href="https://doi.org/10.1016/j.matpr.2022.03.708">https://doi.org/10.1016/j.matpr.2022.03.708</a></li> <li>6. M Mahadevaswamy, N Padmavathy, S Preetha, KH Hemakumar, Adsorption of hazardous azo dye from aqueous solution onto Parthenium flower activated carbon: approach to the batch and regeneration studies, Int. J. Eng.2016. <a href="https://doi.org/10.17950/ijer/v5i4/040">https://doi.org/10.17950/ijer/v5i4/040</a></li> </ol>
Patents	<b>NIL</b>
Book/Book Chapters	Published a book for Engineering students according to the syllabus prescribed by VTU Title: Applied Chemistry For B.E I/II Semester-CSE (Stream) and allied branches (CS/IS/AI/BT). Sunstar Publishers, ISBN: 978-93-86550-61-3
<b>Research and Consultancy: NIL</b>	