

Department of Chemistry

The Department of Chemistry at DSATM is actively engaged in **cutting-edge interdisciplinary research**, integrating traditional chemical sciences with emerging technologies. The research culture emphasizes **sustainability, innovation, and societal impact**, aligning with national and global scientific priorities.

Faculty members are involved in diverse domains such as:

1. Nanotechnology and Functional Materials
2. Green Chemistry and Sustainable Processes
3. Energy and Environmental Applications
4. Biomaterials and Tissue Engineering

The department encourages **student participation, collaborative research, and translational outcomes**, fostering a strong academic ecosystem.

Research Supervisors



Dr. Sunilkumar Y C

Number of PhD awarded= Nil

Number of candidates registered for PhD = Nil

Focused Research Areas :

- **Small molecules for OLED Applications**
- **Organic molecules for medicinal Applications**
- **Synthesis of Natural products**



Dr. Shivakumar B S

Number of PhD awarded= Nil

Number of candidates registered for PhD = Nil

Focused Research Areas :

- **Synthesis of Biologically important organic molecules**
- **Isolation of organic molecules from plant extracts**



Dr. Ananda A

Number of PhD awarded= Nil

Number of candidates registered for PhD = Nil

Focused Research Areas:

- **Electrochemical systems for sensing and environmental applications**
- **Nanomaterials and Nanocomposites**
- **Green Synthesis of Metal Oxide Nanoparticles**



Dr. Nandini A Pattanashetti

Number of PhD awarded= Nil

Number of candidates registered for PhD = Nil

Focused Research Areas :

- **Bone Tissue Engineering (BTE)**
- **Electrospun Polymeric Nanofibrous Scaffolds**
- **3D Printed Polymeric Scaffolds**
- **Wound Healing**
- **Bioactive Membranes for Medical and Packaging Applications**
- **Natural Extract-Based Functional Materials**