

**Department of Chemical Engineering  
Indian Institute of Science  
Bangalore**

**DST – Fund for Improvement in S&T Infrastructure**

**Brief Outline Department**

The Department of Chemical Engineering was started in 1943 as a wing of the Division of Pure and Applied Chemistry. The Chemical Engineering wing earned the full status of a department in 1947. Subsequently, in 1961, it was affiliated to the Engineering Faculty and renamed the Department of Chemical Engineering. The Department of Chemical Engineering is committed to providing a high quality and modern education at the Masters and doctorate levels, on par with international standards. It now has 10 teaching staff and 2 scientific officers. The high faculty to student ratio provides for close interaction and an informal atmosphere, which is cherished by everyone in the department. Since 1961, more than 600 degrees have been awarded in the ME, MSc (Engg), and PhD programmes. During this period, research carried out in this Department has resulted in more than 800 publications.

**Teaching & Research Activities**

The Department of Chemical Engineering offers post graduate education leading to the ME and MSc (Engg) and PhD degrees. The Department has a ceiling strength of 15 ME students (per year) and 25 research students. The ME program is of two year duration, requiring 32 credits by course work and 32 credits by project work. The two research programs, MSc (Engg) and PhD, are aimed at in-depth investigations on original problems. The faculty of the department is involved in cutting edge research in various fields, including Biochemical Engineering, Colloids, Complex Fluids, Environmental Engineering, Modeling and Simulation, Nanotechnology, Reaction Engineering, Theoretical Biology and Transfer Processes.

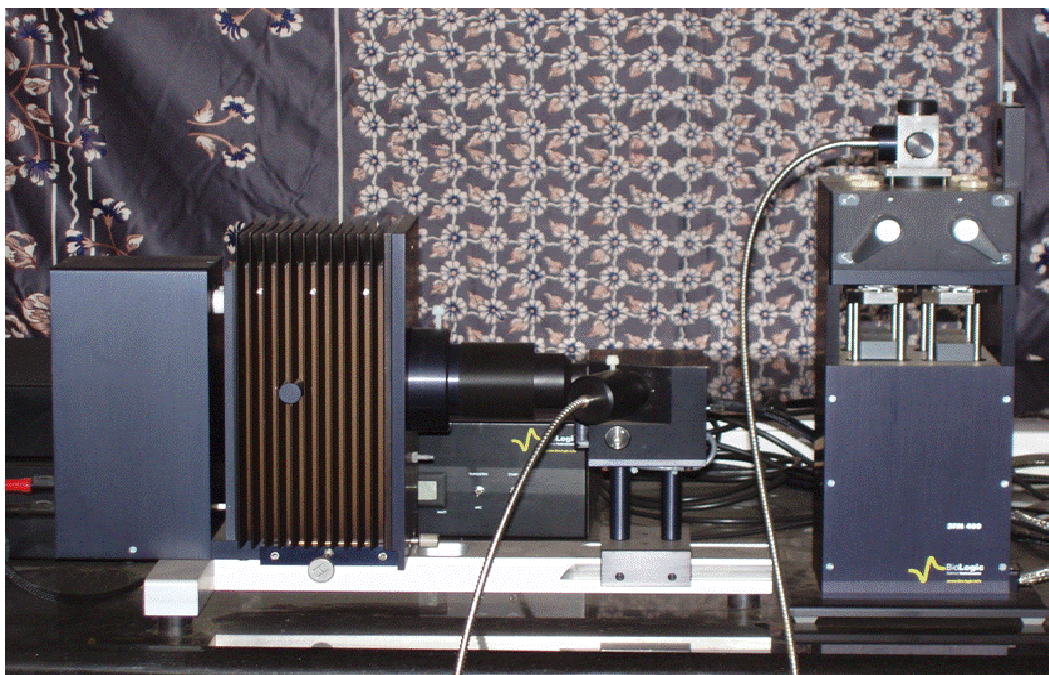
## **Facilities Created**

<i>Name</i>	<i>Order date</i>	<i>Status</i>
Particle imaging velocity meter	September 17, 2002	In operation
Confocal microscope	January 23, 2003	In operation
Laser light scattering system	March 2, 2003	In operation
Atomic Absorption Spectrophotometer	August 30, 2005	In operation
Stop-flow reaction analyser	October 11, 2006	In operation
Supercritical fluid processing unit	September 9, 2005	In operation

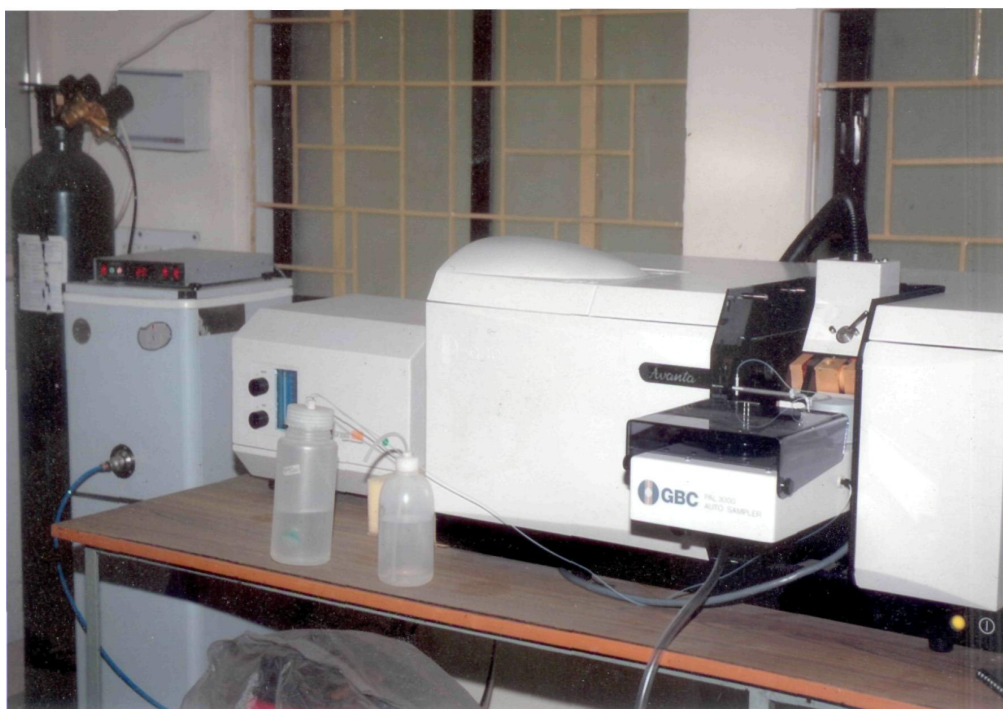
Laser light scattering system



Stop flow reaction analyser



Atomic Absorption Spectrophotometer



Confocal microscope



Particle imaging velocity meter



## Supercritical Extraction Unit



### For further details contact:

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