



## Introduction

The National Center for Catalysis Research (NCCR) at the Indian Institute of Technology, Madras is established by the **Department of Science and Technology, Government of India** in July, 2006 with a view to promote research and Teaching in this area. The Centre in the four years of existence has grown into a centre of excellence in both Research and teaching. The centre has evolved a unique M Tech programme in Catalysis Technology.

## Faculty

**The centre has on its faculty three senior persons who have had over thirty years of research experience and has more than 10 faculty members drawn from the departments of Chemistry, Chemical Engineering and Biotechnology of the Indian Institute of Technology, Madras.**

## Research

**The centre conducts research in chosen frontier areas of catalysis like energy conversion, new Materials as Catalysts Surface Science and Theoretical studies. There are over 30 research scholars and Research Associates on the roll in the centre in all the four years of existence. The centre has evolved a unique M Tech programme in Catalysis Technology.**

## Curricular Activities of the Centre

**The centre has been active in developing various curricular activities. One of the programmes is the Orientation programme for the Research scholars of this country which has been continuously done and has gained national recognition. In addition, the centre conducts various short term courses specially meant for chosen audiences like research scholars of different areas, Masters students and also to school Children. The centre has conducted many such programmes in the four years of its existence.**

## National and International Collaboration

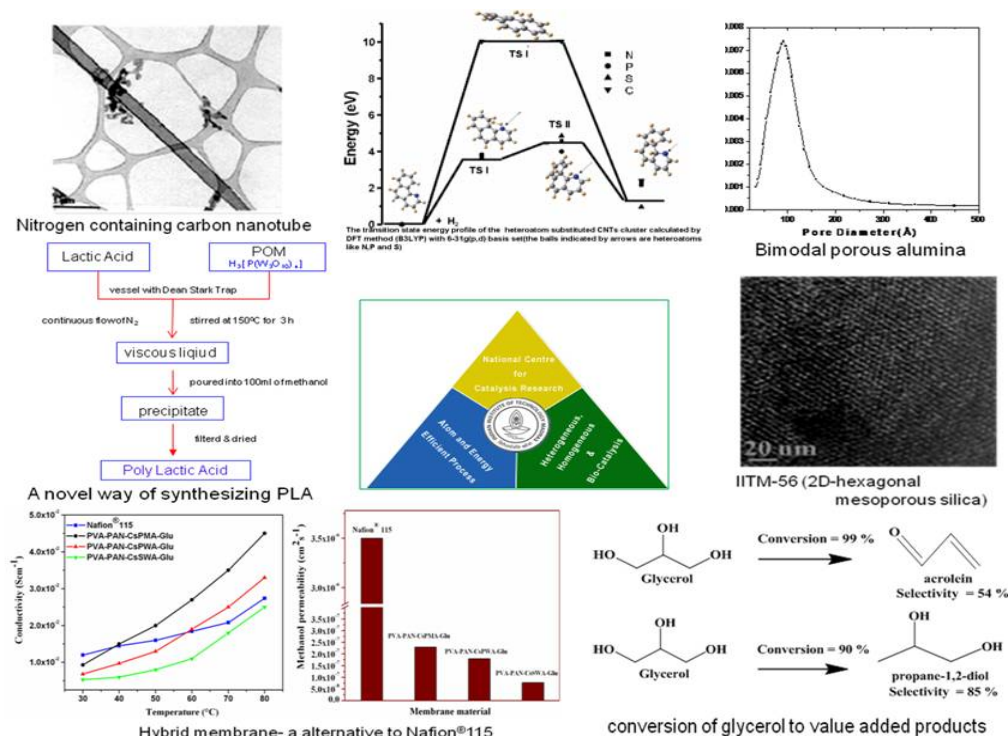
The centre has many bilateral collaborations with other academic institutions like the Department of Chemistry, Anna University, Departments of Chemical Sciences and Energy, Tezpur University, Department of Chemistry, Sir Thiagarajar College, Madurai and also with Kalasalingam University, Krishnan Koil.

The centre has also collaborative research programmes with the Institute of Isotopes, Budapest, Hungary and other Research laboratories in Korea, Taiwan, Australia. The centre has an MOU with the Centre of Catalysis in the Technical University of Munchen. Other international collaborations are in pipeline.

## Indicative output of the Centre

The centre has brought out over 10 books in the areas of catalysis, Materials Science and Fuel cells in these four Years. The faculty and students of this centre have been publishing research papers (over 200 in number in these four years in various international journals like Journal of Physical Chemistry, Journal of Catalysis, Applied Catalysis, Journal of Molecular Catalysis and many other high impact Journals. The centre has also obtained ~5 patents during this period. The centre has been maintaining a database and also published 8 e-books which are freely available on the web. The database address is

<http://www.eprints.iitm.ac.in>



Some typical pictorial representation of the activities of the National Centre for catalysis Research

