HIGHLIGHTS

Synthesis:

- Carbon Nanotube
- Graphene
- Quantum dots
- Nanoparticles
- Conducting Polymers

Fabrication:

- Gas sensors
- Humidity sensors
- Bio sensor
- Piezoelectric sensor
- Food package materials
- Self cleaning fabrics

Research Focus:

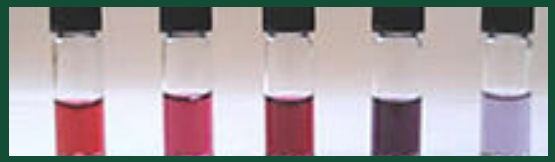
- Fabrication and characterization of Nanostructure materials
- Thin films deposition and characterization
- Thin film based sensors
- Carbon: Nanotubes, Nanospheres
- Solar cells
- Food Quality sensors

CAREERS:

Lab technologist in
R & D sector.
Research positions in
premier institutes of
India and abroad.

Entrepreneurship

Nano Medicine
Materials Science
Nano-Electronics
Nanolithography
Pharmaceuticals
Cosmetics



STATE OF THE ART FACILITIES

- Thermal evaporation
- Flash evaporation
- e-beam evaporation
- Chemical Vapor Deposition
- DC Sputtering
- Ball Milling
- Dip coating
- Spray pyrolysis
- Spin coating
- Electrochemical Work Station
- Auto Clave
- Muffle Furnace

- Atomic Force Microscope (AFM)
- Scanning Tunneling Microscope (STM)
- Gas sensor unit
- Humidity sensor unit
- Micro hardness tester
- Source measuring unit
- Impedance Analyzer

Contact us

Address:
58, Palace Road,
Vasanth Nagar, Bengaluru,
Karnataka 560052
mcc.nanoscience@gmail.com nanosc@mccblr.edu.in
Ph: +91 9341943755

DEPARTMENT OF NANOSCIENCE & TECHNOLOGY
MOUNT CARMEL COLLEGE, AUTONOMOUS

ADMISSIONS OPEN FOR 2019

Year of establishment: 2010

Vision:

The Department envisions to impart a career oriented education to enable and empower women.

Mission:

To impart a firm theoretical foundation together with excellent practical training in the area of synthesis and characterization of nanomaterials and fabrication of nano devices.
The syllabus is oriented to meet the challenges and opportunities that the society demands.

Eligibility
Any Science Graduates

OUR LAB HIGHLIGHTS