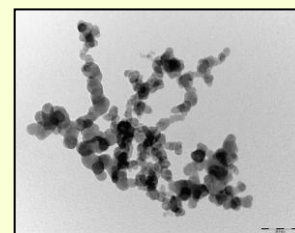
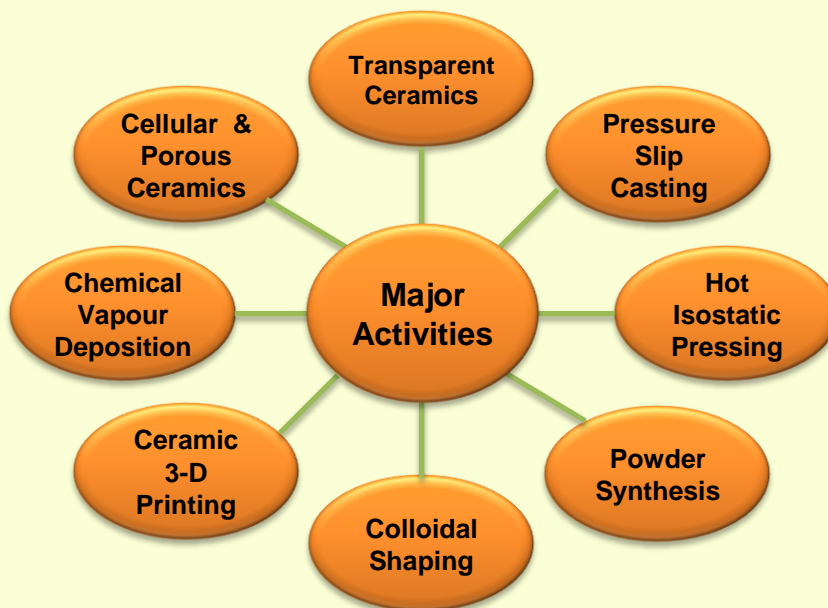
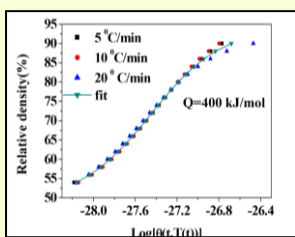
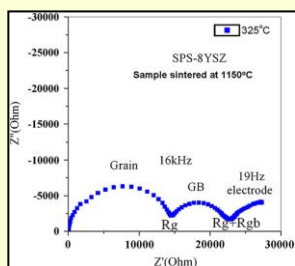
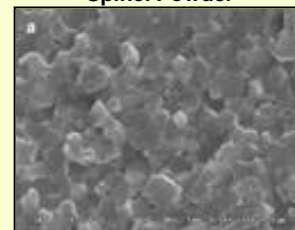


CENTRE FOR CERAMIC PROCESSING (CCP)



Nano structured Spinel Powder



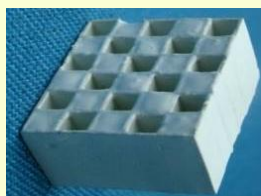
Fractographs of CNT-Alumina Composite

- ◆ Developing Innovative Processing Techniques for Technology Oriented Product Development
- ◆ Material Synthesis and Fabrication

- ◆ Characterization and Testing
- ◆ Prototype Development
- ◆ Technology Transfer

MAJOR PROCESSING CAPABILITIES

- Compaction Processing
- Extrusion Processing
- Thermal Gel Casting
- Gel Casting
- Slip Casting
- Pressure Slip Casting
- Spray Drying
- Sol-gel Processing
- Microwave Processing
- Combustion synthesis
- Spray Pyrolysis
- Isostatic Pressing
- Sol-gel/Slurry coatings
- Screen Printing
- Rate Controlled Sintering



Wall Flow Filter



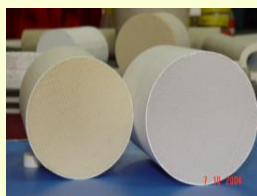
Transparent Ceramics



Ceramic Foams



Radiant Porous Burner



Ceramic Honeycomb



Extruded Products



Alumina Balls



Alumina Spools



CVD Facility



Pressure Slip Casting Machine



Screw Extruder



Hot MOR



Impedance Analyser



Hot Isostatic Press

MAJOR FACILITIES

- Hot Isostatic Press
- Chem. Vap Deposition
- HT Vac/Air Furnaces
- High Shear Mixer
- Compaction Presses
- Ram-Screw Extruders
- Ceramography

CHARACTERIZATION

- Impedance Analyzer
- Hot MOR
- Microwave NDT
- Rheometer
- STA/Dilatometer
- Mercury Porosimeter
- Nano-Zeta sizer
- Powder flow analyzer
- FT IR Spectrometer