

Study of Some Doped and Co-doped Ceria and Ceria/Carbonate Nanocomposite Solid Electrolytes for Solid Oxide Fuel Cells (SOFCs)



THESIS SUBMITTED FOR THE DEGREE OF

Doctor of Philosophy
in
Ceramic Engineering

By

Nandini Jaiswal

(Prof. Om Parkash)
Supervisor

(Prof. Devendra Kumar)
Co-supervisor

(Dr. Shail Upadhyay)
Co-supervisor

DEPARTMENT OF CERAMIC ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
VARANASI - 221005
INDIA

Enrolment No. 311519

2015