

## DOCTORAL EDUCATION

2005	PhD in Materials Science, Indian Institute of Science, Bangalore, India
Title	Charge-transfer associated photoluminescence of rare-earth doped oxide phosphor
Advisor	T R N Kutty

## POSITIONS HELD SINCE PHD, INCLUDING POST-DOCTORAL FELLOWSHIPS

2005-2006	Post-doctoral Fellow, University of Munich, Germany
2007-2009	Post-doctoral Fellow, Indian Institute of Science, Bangalore, India
2010-2012	Quick-Hire Scientist, CSIR – National Aerospace Laboratories, Bangalore, India
2012-2016	Senior Scientist, CSIR – National Aerospace Laboratories, Bangalore, India
2016-2021	Principal Scientist, CSIR – National Aerospace Laboratories, Bangalore, India
2021-	Senior Principal Scientist, CSIR – National Aerospace Laboratories, Bangalore, India

## PROPOSED AREAS OF RESEARCH

Oxide Thermoelectric Materials and Devices – bulk and thin-film – Structure-property relationship – crystal structure and microstructural analyses

High Entropy Functional Materials – DFT analyses – Experimental validation

## AWARDS AND FELLOWSHIPS

1999	National Fellowship for doctoral studies from Council of Scientific and Industrial Research (CSIR), New Delhi, Govt. of India
2005	Prof. K. P. Abraham Medal for best thesis in the area of Materials Chemistry from Indian Institute of Science, Bangalore, India
2007	Prof. D. S. Kothari Post-doctoral Fellowship, University Grant Commission, India
2012	Fast Track Young Scientist Grant, Science and Engineering Research Board, India

## RESEARCH MENTORSHIP

2014-2015	M Tech Thesis of Apoorva M A Synthesis and characterization of zinc oxide based thermoelectric oxide materials
2015-2019	PhD Thesis of Rapaka S C Bose Development of oxide based thermoelectric materials for high temperature power harvesting application
2019-2020	M Tech Thesis of Tejashini P Fabrication and testing of thermoelectric module in simulated environment
2022-2023	M Tech Thesis of Chirantan Sagar Fabrication and characterization on zinc oxide based thin film thermocouple by dip coating



## MANUSCRIPT PUBLISHED

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<https://scholar.google.co.in/citations?user=J9zZ-FAAAAAJ&hl=en>