

# DR ABANTI NAG



## DOCTORAL EDUCATION

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

## 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

## AWARDS, FELLOWSHIPS, RECOGNITIONS

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

## AREAS OF RESEARCH EXPERTISE

Advanced Functional Ceramics for electromagnetic window applications

- High entropy ceramics
- Graded porous ceramics
- CMC based ceramics

## SPECIALIZATION

Materials Science / Chemistry / Physics

## MANUSCRIPT PUBLISHED

Refer to Google Scholar (<https://scholar.google.co.in/citations?user=J9zZ-FAAAAAAJ&hl=en>)