

The American College, Madurai
FACULTY PROFILE

Name : Dr. D.DURAI MANOHARADOSS PRABAHARAN

Designation : Assistant Professor & Head(SF)

Satellite Campus

Department : Physics

Date of Joining : 04.07.2017

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Educational Qualification:

CLASS/COURSE	NAME OF THE INSTITUTION	BOARD OF STUDY/ UNIVERSITY	YEAR COMPLETED
Ph.D (Physics)	Anna University Chennai	Anna University Chennai	2018
MSc (Physics)	NMSSVN College, Madurai	Madurai Kamaraj University	1996
BSc (Physics)	The American College, Madurai	Madurai Kamaraj University	1994

Specialisation in Teaching:

- Non linear optics
- Solid State Physics

Specialisation in Research:

- X-ray Crystallography

Research Interests:

Optical and Electrical properties of Metal Oxide nano particles

Any Other Work Experience:

Position held	Institution	Level	From	To	Experience
Lecturer	Jeyaraj Chelladurai college, Periyakulam, Theni	UG	01.10.98	27.03.99	5 months
Lecturer	SSDM college, Kovilpatti, Thotukudi	UG	23.08.99	24.09.2003	4 years
Lecturer	NMSSVN College, Madurai	UG & PG	25.09.2003	22.08.2008	5 years
Assistant Prof.	NPR College of Engg. & Tech., Dindugal	UG	25.08.2008	25.04.2017	8 years 8 months

Membership in Professional Bodies:

Life Member in Indian Society for Technical Education

Publications:

Total : 3 papers

International : 3 papers

List of Research papers published by D.Durai Manoharadoss Prabakaran:

International Journals

1. 'Precipitation method and characterization of cobalt oxide nanoparticles', Applied Physics A, vol. 123, P. 264, IF - 1.694.
DOI: 10.1007/s00339-017-0786-8
EID: 2-s2.0-85015915684
2. 'Structural, optical, morphological and dielectric properties of cerium oxide nanoparticles', Materials Research, vol. 19, no. 2, pp. 478-482, IF - 0.8.
DOI: 10.1590/1980-5373-MR-2015-0698
EID: 2-s2.0-84962776575
3. 'Investigating the effect of Mn-doped CeO₂ nanoparticles by coprecipitation method', Applied Physics A, vol. 124, P. 86, IF - 1.694
DOI: 10.1007/s00339-017-1518-9
EID: 2-s2.0-85040313650

Conferences :

- International Conference : 1
- National: 1

International Conference :

‘Synthesis and Characterization of MnFe_2O_4 Nanoparticles via Co-Precipitation Method’, CSIR sponsored International Conference on Advances in Materials Science and Engineering for Societal Applications (ICAMSE 2018), in association with NANOCAT, University of Malaya and Indian SpectroPhysics Organization (ISPA) at Centre for Nanotechnology, Academy of Maritime Education and Training (AMET) in Chennai, 2 - 3, March 2018

National

‘size effect on melting temperature, Debye temperature and mean square displacements of tungsten nanoparticles’, UGC, DST, BRNS, CSIR and TNSCST sponsored National seminar on new materials research and nano technology, Ooty, September 2012

Workshops/seminars attended:

- 1) Two – days National Level ISTE Workshop on ”Aakash for Education”, organized by NPR College of Engineering & Technology(IIT Remote Center), from 10th – 11th Nov 2012.
- 2) Eleven – days National Level ISTE Workshop on ” Engineering Thermodynamics”, organized by NPR College of Engineering & Technology(IIT Remote Center), from 11th – 21st Dec 2012.
- 3) Eleven – days National Level ISTE Workshop on ” Fluid Mechanics”, organized by NPR College of Engineering & Technology(IIT Remote Center), from 20th – 30th May 2014.

International Webinars attended:

1. International webinar on “Recent trends in advanced material science – RTAMS – 2020”, organized by Post Graduate & Research Department of Physics, The American College, Madurai on 19.06.2020