

The American College, Madurai
FACULTY PROFILE



Name : Dr. N. Kavitha

Date of Joining : 3.1.2020

Designation : Assitant Professor

Department : Physics

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I. Education Qualification:

Degree	Subject	College/University & Place	Year Completed
B.Sc.,	Physics	Sermathai Vasan College for Women, M.K. University, Madurai.	1998
M.Sc.,	Physics	The Madura College, M.K University, Madurai	2003
M.Phil.,	Physics	Manonmaaniem Sundaranar University, Trinelvei	2005
Ph.D	Physics	Alagappa University, Karaikudi	2019

Specialization in Research:

Thin film
Material Science

Research Interests:

Nano Technology
Condensed matter physics
solarcell

Administrative / Academic Position/s (held / currently holding):

Positions held / currently holding	Year – From (month/year) To (month/year)
The American college – Assistant Professor	Jan 2020 to till date
Vickram college of Engineering – Assistant Professor/HOD	August 2007 to Dec 2019
SLS.MAVMM college of arts and science- Assistant Professor/Head In charge	July 2004 to July 2007
SP college of arts and science – Assistant Professor	June 2003 to June 2004

Membership in Professional Bodies:

Positions held / currently holding in Professional Body	Year – From (month/year) To (month/year)
Magnetic Society of India- MSI – Member	Life time Member

Publications:**Articles Published in International Journals:**

- **N. Kavitha**, R. Chandramohan, S. Valanarasu, T. A. Vijayan, S. Rex Rosario, A. Kathalingam, Effect of film thickness on the solarcell performance of CBD grown CdS/PbSheterostructure, J Mater Sci: Mater Electron, 27 (2016) 2574-2580, peer

reviewed, Impact factor-2.195

- **N. Kavitha**, R. Chandramohan, R.Swaminathan, S.Saravanakumar, “The Structural, Optical Properties Of Neodymium doped CdS thinfilms by CBD Method”. IJAEMA, ISSN NO. 0886-9367, Volume XI, Issue X,October 2019, peer reviewed
- **N.Kavitha**, R. Chandramohan, A. MohamedHaroon Basha, K.K. Sivakumar and R. Swaminathan, Low Cost Fabrication Of EU: Cds/Pbs Heterostructures, International Journal Of Scientific & Technology Research, ISSN 2277-8616, Volume 9, Issue 01, January 2020, peer reviewed
- Mohamed Haroon Basha, K.K. Sivakumar, R. Chandramohan, **N.Kavitha** and R. Swaminathan “Enhancement of Photovoltaic properties of CBD grown Pr: CdS/PbS solarcells” International Journal Of Scientific & Technology Research, ISSN 2277-8616, Volume 9, Issue 01, January 2020, peer reviewed

Conference / workshop/ Seminar Presentations:

Name of the Seminar/Conference/Symposia Workshop etc.,	Name of the Sponsoring Agency	Title of paper	Institution, Place and Date
ICMAT-SPA – 2018 International Conference	UGC sponsored	Investigating the structural, optical properties of Eu:CdS/PbS heterostructures by CBD technique	SRI S.Ramasamy naidu memorial College, Sattur,20 - 21 Feb 2018
RTNMTR-2015 National Conference	UGC sponsored	Influence of Bath Temperature on the CdS Thin films Prepared by Chemical Bath Deposition	AVVM SRI PUSHPAM College, Thanjavur, 3 rd - 4th March 2015
MAGMA-2010 National Conference	MSI-Magnetic society of India	Magnetic Materials and Applications	Thiagarajar College of Engineering, Madurai- 625 015, 20 – 21January 2010

Workshops attended in International/National Conferences

- Attended DST sponsored one –day National Seminar on “Recent Advances in Nano Science and Technology” - (RANST 08) at Velammal College of Engineering and Technology for ,Madurai on 15-02-2008
- Attended one –day National Seminar on “Emerging Trends in Advanced Materials” at Ultra College of Engineering and Technology for women, Madurai on 20-11-2009
- Attended two–days National conference on “Recent Advancement and Development in Material Science” (RAADIMS 09) at Mepco Schlenk College of Engineering , Sivakasi during february 20-21,2009
- Attended one–day Workshop titled “Recent Trends in Nano Scale Science and Technology” on 23 rd November 2011 at Anna University of Technology, Madurai
- Attended one–day Workshop on “Nano And Thin Film Materials”on 28 th October 2012 at Rajah Serfoji Government College, Thanjavur – 613 005
- Attended two–days Conference on “Emerging Trends in Material Synthesis and Characterization”at National College, Trichy during 19-20 January 2013
- Attended one–day Workshop titled “ Scientific Writing” at Sree Sevugan Annamali College, Devakottai – 630 003 on 10 – 11-2013
- Attended one day International Seminar on “Recent Challenges in Materials Science (RCMs – 17)” on 15thjuly 2017 at sree sevugn annamalai college, Devakottai

Webinar Participations

- Two days international webinar on “prospective of interdisciplinary Research in Science and Technology in the present scenario”, organized by Chaudhary Charan Singh University, Meerut, Uttar Pradesh between May 15-16, 2020.
- One day webinar on “Solar energy and its applications”, organized by Kalasalingam academy of research and Education, Virudhunagar on 20.05.2020.
- One day international weninar on “ Recent trends in advanced Material science RTAMS-2020”, organized by The American college, Madurai on 19.06.2020.
- One day weninar on “ Women at Risk Blossom”, organized by The Americn College, Madurai on 9.06.2020.

- Five day FDP on Innovative Teaching Learning Methodologies conducted by Coimbatore Institute of Technology, Coimbatore from 6 to 10 July 2020,
- One day webinar on “Biomedical application of Raman Spectroscopy”, organized by University of Lucknow, V on 11.05.2020.

Project:

Title	Funding agency	Year of Award/ Period	Amount Awarded Rs.	Status of the project- Completed/ Ongoing/ Submitted	Amount Recieved Rs.
INSPIRE SCIENCE camp	DST	22-26 July,2013 5 days	Rs.9.75 Lakh	Completed	Rs.9,55,481 Lakh

Invited Talks

- Introduction to LASER and fiber optics at sree sevugan annamalai college of arts and science on March 9, 2018
- Role of chemical bath deposition in thinfilm solarcell technology at Shree Vidhyagiri college of arts and science, Puduvayal on August 26, 2019