

## BIO-DATA

Dr. Nerle Umadevi Veerbhadrapa  
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Educational Qualification : M.Sc., M.Phil., Ph.D

Ph.D. Thesis Title: Optoelectronic Properties of Photovoltaic Active Semiconductors and their Devices

## PUBLICATIONS

SI No	PUBLICATIONS TITLE	Author	JOURNAL	Doi
1	Thermal Oxidation Of Copper For Favourable Formation Of Cupric Oxide (CuO) Semiconductor	Uma Nerle & M. K. Rabinal	IOSR JOURNAL OF PHYSICS ( IOSP – JAP )	E- Issn: 2278-4861 Volume – 5, Issue -1 Nove- Dec 2013 Pp 1-7
2	Solution Based Cation Exchange Process To Control Optoelectronic Properties Of Cadmium Sulphide Thin Films	Uma Nerle M K Rabinal	AMERICAN CHEMICAL SCIENCE JOURNAL	4(2) : 151- 165, 2014
3	A Sharp And Visible Range Plasmonic In Heavily Doped Metal Oxide Films	Uma Nerle R. M. Hodlur M. K.Rabinal	MATERIAL RESEARCH EXPRESS	10.1088/2053-159, 1/1/015910

### Conferences/ Workshop/Attended/ Paper Presented

Sl No	Date	Conference/ Workshop / Seminar/ Symposia	Attended/ Participated	Title	Venue
1	25 – 27 Nov. 2004	National Seminar	Participated	Condensed Matter Physics	St. Stephon's College, Uzhavoor, Kottayam Kerala -686634
2	27 & 28 August 2005	Two Day National Workshop	Participated	Intellectual Property Rights	,KLE's GK Law College, Hubballi
3	2 <sup>nd</sup> September 2006	One Day Seminar	Participated	Atomic Energy For Development Of The Nation	Karnataka University's Karnatak Science College, Dharwad In Association With The Indian Nuclear Society
4	30 <sup>th</sup> Sept. & 1 <sup>st</sup> Oct. 2005	Two Days Symposium	Participated	Intellectual Property Creation In Institutions & Industries	BVBCET, Dept. Of Mechanical & Electronics Communications Engg. In Association With SISI, Hubballi
5	27 <sup>th</sup> , 28 <sup>th</sup> Dec. 2005	National Workshop	Participated	Strengthening Of Physics Teaching At Under Graduate Level	Kles SK A & H.S.Kotambri Science Institute, Hubballi
6	13-22 May 2006	Training Programme	Participated	Ten Days Training Programme Of Facilitator Certification In HRD	College For Leadership & Human Resource Development, Mangalore
7	2 <sup>nd</sup> Sept. 2006	One Day Seminar	Participated	Atomic Energy For Development Of Nation	Karnataka University's Karnatak Science College, Dharwad In Association With The Indian Nuclear Society

8	4 <sup>th</sup> November 2007	National Conference	Participated	National Knowledge Commissions Report	AIFUCTO, FUCTAK, KUCTA Karnataka University, College Teachers Associations , Hubballi
9	19 – 20 March 2008	Seminar Sponsored By UGC	Participated	Nano Science & Nano Technology	Dept. Of Physics Karnataka University, Dharwad
10	17 – 19 2006	Dharwad Utsav 2006	Participated	In , Dance, Music, Seminar Poetry Folk Exhibition	Dharwad
11	8-9 July 2008	Two Days International Colloquium	Participated	“Nanotechnology Gateway To A Promising Future” Sponsored By TEQIP”	Organised By SDM College Of Engineering & Technology, Dharwad
12	9-10 Feb/ 2009	UGC Sponsored Two Days National Seminar	Participated	Emerging Multidisciplinary Trends In Nano Science & Technology	KLE P.C.Jabin Science College, Hubballi
13	9 <sup>-10</sup> Oct. 2010	Workshop	Participated	Öpto Electronics & Photonics	IEEE Photonics Society, Bengalooru Chapter Karnatak University, Dharwad
14	22-25 Feb. 2011	Symposium	Attended	“2 <sup>nd</sup> DAE-BRNS Symposium On Atomic, Molecular & Optical Physics (Samop-2011)	Dept. Of Physics Karnatak University, Dharwad
15	5 – 7 Dec.2012	International Conference	Participated	5 <sup>th</sup> Bangalore Nano	Dept. Of IT,BT,ST Govt. Of Karnataka, The Lalit Ashok Bangalore

16	9 <sup>th</sup> Oct. 2010	State Level Astronomy Programme	Participated	Occasion Of International Year Of Astronomy 2009	Catalysed & Supported By Rashtriya Vigyan Evan Prodyogiki Sanchar Parishad , Dept Of Science & Technology, Govt Of India, New Delhi Organised By Karnataka State Council For Science & Technology. Indian Institute Of Science , Bangalore New Delhi
17	21-22 April. 2012	Presented	Participated	National Workshop On "Polymer Solar Cell's	IISER, PUNE
18	30 <sup>th</sup> -31 <sup>th</sup> Jan. 2015	Presented National Level Seminar	Presented	Climate Change & Its Impact On Biodiversity	Kles RLS Science Institute, Autonus, Belagavi
19	13-14 Feb. 2015	Presented Paper	Presented	National Level Lecture Workshop On Novel Materials	KLE SKA College & HSK Science Institute, Hubballi
20	20-21 Feb. 2015	Awarded First & Best Paper Presentation Presented	Presented	UGC Sponsored Two Day National Seminar Advance In Soft Matter & Low Dimensional Materials	KLE P.C.Jabin Science College, Hubballi
21	10 March 2015	One Day Workshop Attended	Participated	B.Sc V & VI Semester Experiments In Physics	Dept of Physics., Kittle Science College,Dharwad
22	3,4- 8 2015	Inspire Award DLEPC -5	Attended	Inspire Award DLEPC - 5	DIET , Dharwad
23	15 Sept. 2015	One Day Seminar UGC Sponsored	Participated	UGC Sponsored Value & Ethics "Relevance Of Value Education Conflicts	Department Of Biotechnology & Microbiology, Kles P C Jabin Science College,Hubballi

24	2 <sup>nd</sup> Oct. 2015	Self Financed One Day National Level Seminar	Presented	“Recent Advances In Battery Technology”	KLE G.H. College Haveri
25	10 <sup>th</sup> Oct. 2015	UGC Sponsored One Day National Level Symposium	Presented	Soft Matter Science And Nano Technology	KLE G.H. College Haveri
26	15 – 16 Oct. 2016	Two Day National Seminar Sponsored	Presented	Recent Trends In Environmental Waste Management	Organised By Zoology Dept. In Collboration With Environment & Consumed Forum Haveri
27	3 <sup>th</sup> March 2016	UGC Sponsored One Day National Level Seminar	Participated	Impact Of Nanotechnology On Society	KSS Arts Commerce, Science College & P.G Centre Dept. Of Physics
28	10 – 11 Feb. 2016	UGC Sponsored National Conference Presented A Paper	Participated	Nanoscience A Multidisciplinary Approach	Dept. Of Electronics Mount Carmel College, Autonomous Bengaluru
29	16 – 17 Sept. 2016	National Level Seminar	Participated	Photonics Of Its Applications	JSS Banashakari Arts, Commerce & Shantikumar Gubbi Science College, Dharwad
30	11-13 Aug. 2017	First National Workshop , NWSPMT 16	Presented	Scanning Probe Microscopy Techniques 2016	CSIR National Chemical Laboratory, Pune India
31	2 - 3 March 2017	NAAC Sponsored Two Day National Seminar	Attended	Innovative Curriculum For Student Employability & Global Competency	P.C.Jabin Science College, Hubballi
32	7 <sup>th</sup> March 2017	One Day National Conference UGC-CPE Sponsored	Presented	Emerging Trends In Material Science ETMS - 2017	KLE S. Nijalingappa College, Dept. Of Physics, Bengaluru

33	8-10 March 2017	International Conference	Presented Poster	Advanced Rechargeable Batteries & Allied Materials	Organised By Centre For Electronics Technology (C-MET) Pune India
34	20 March 2017	One Day National Level Seminar	Attended	A System Devising And Implanting Quality Assurance	KLE GH College, Haveri
35	20 <sup>th</sup> Jan. 2017	UGC Sponsored One Day State Level Seminar	Attended	Advances In Material Science	Dept. Of Chemistry, P.C.Jabin Science College, Hubballi
36	27 <sup>th</sup> Jan. 2017	UGC Sponsored One Day National Level Conference	Attended	Advance In VLSI & Microelectronics	Dept. Of Electronics, P.C.Jabin Science College, Hubballi
37	6 <sup>th</sup> Feb. 2016	Resource Person IQAC Special Seminar	Presented	Energy Sources	Govt. First Grade College Kalaghatagi, IQAC
38	2 <sup>nd</sup> Dec. 2016	Workshop	Participated	Nano Characterization	Central Manufacturing Technology Institute , Tumkur Road, Bangalore
39	11-13 Nov. 2016	Oral Paper International Conference	Presented	Functional Oxides & Nano Material 2016	Saurashtra University, Rajkot (India)
40	11-15 Dec. 2016	International Conference	Oral Presentation	Young Researchers On Advanced Materials IUMRS – ICYRAM 2016	J.N. Tata Auditorium IISC, Bangalore
41	27-28 Feb. 2017	TEQIP – II Sponsored National Conference	Oral Presentation	Advanced Materials Processing Characterization	Dept. Of Physics National Institute Of Technology Tiruchirappalli
42	19 – 21 Oct. 2016	International Conference	Presented	Nano Science & Nanotechnology (ICNAN 16)	Organized By The Centre For Nanotechnology Research (CNR) VIT University, Vellore (India)
43	23 <sup>rd</sup> Feb. 2017	One Day Test	Attended	Sankalp 2017	JSS Shri Manjunatheshwar UG & PG Studies Vidyagiri, Dharwad
44	18. – 25 June 2017	ICMAT – 2017	Presentation	9 <sup>th</sup> International Conference On Material For Advanced Technologies	Singapur Suntec

## Life Member

Electron Microscope Society Of India (EMSI)	Regd. No. SC/5228 Of 1962 – 63 Under ACT XXI Of 1860 (Affiliated To International Federation of Societies For Electron Microscopy)
Magnetic Society Of India	Membership No. LM737
Material Research Society Of India MRSI	Member No LMB 2913

## At Present Working On

1. Metal Oxides Semiconductor Nanoparticles for
2. Plasmonic Applications.
3. Cdse Thin Films By CBD For Photovoltaic Applications.
4. Cds Thin Films By CBD For Sensor Applications.

**Thrust Area Of Research** – Nano Particles For Various Applications Metal Oxides Semiconductors For Plasmonic Applications

## Skills and Expertise

X-ray Diffraction XRD Analysis, Scanning Electron Microscopy, Thin Film Deposition

Dr. Nerle Umadevi Veerbhadrappa

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