

Curriculum vitae

Personal Details:



Name-: Dr. Ms. Raut Vanita Shivaji

Qualification: M.Sc. Ph.D., SET, GATE, B.Ed.

Designation: Associate Professor

Department: Physics

College: Balwant College Vita, Dist: Sangli

Specialization: Solid State Physics

Experience: 14Yrs.

Contact No: 9970636213/9284599411

Email. Id: [vanitaghanwatphy@gmail.com/](mailto:vanitaghanwatphy@gmail.com) vanitarautphy@gmail.com

Academic Details:

Examinations	Name of the Board/ University	Year of Passing	Percentage of marks obtained	Division/ Class/Grade	Subject
High School /S.S.C.	Kolhapur Board	1996	69.20	A	All subjects
H.S.C.	Kolhapur Board	1998	66.67	A	Phy., Chem., Maths., Bio.
B.Sc	Shivaji University, Kolhapur	2001	79.68 (Aggr.), 90.5 (B.Sc.-III)	Dist.	Physics
M.Sc.	Shivaji University, Kolhapur	2003	64.46	First	Physics
B. Ed.	Shivaji University, Kolhapur	2004	65.14	First	Maths- Science
SET	Poona University	2006	Qualified	--	Physical Sciences
GATE	IIT Kharagpur, IIT Kanpur	2006, 2007	Qualified	Score more than 90 %	Physical Sciences
Ph. D.	Shivaji University, Kolhapur	14 th August 2018	"STUDIES ON CHEMICAL SYNTHESIS AND CHARACTERIZATION OF INDIUM DOPED CdSe THIN FILMS FOR USE IN SOLAR CELLS"		

Date of Appointment : 20th October 2008

- **Recognized as research Guide for M. Phil. and Ph. D.**
- **Number of research students working: 02**
- **Recognized as a Post- Graduate teacher.**
- **Worked as University Paper setter**
- **Worked as a member of Syllabus revision Committee of Shivaji University Kolhapur for M.Sc. I. and B.Sc. III.**
- **Worked as Convener/ Coordinator of International/ National/ State level Workshop/ Conference/ Seminar - 06**
- **Worked as Examiner of poster presentation in International/ National Conferences**
- Paper /Posters Presented In National & International Conferences/ Symposia/Seminars/ Workshops- 17
- College/University/State/National/ International Conferences/Symposia /Seminars/Workshops Attended: 52
- **Skills & Expertise:- Synthesis of thin film by various chemical methods.**
Google Scholar: <https://scholar.google.co.in/citations?user=zd-qsXoAAAAI&hl=en>
Orchid id : <https://orcid.org/0000-0003-4494-3919>
- **Recipient of U.G.C. Teacher Fellowship under FIP scheme (2015-2017).**
- Presented research paper entitled “Consequence of indium doping on photoelectrochemical modifications of chemisynthesized CdSe thin films”. Won **Best Oral Presentation award (3rd rank)** in the **two days International E- Conference** on Cutting Edge Smart Materials & Nanotechnology (ICCESMN-2020) held on 20-21 August 2020 organized by Department of Physics, Collaboration with IQAC, Sadguru Gadage Maharaj College, Karad, Dist- Satara, Maharashtra, India.
- Presented research paper entitled “ Studies on chemical synthesis and electrochemical impedance spectroscopic studies of indium doped CdSe thin films”, **Won Best Oral Presentation award (3rd rank)** in the **2 days International web-Conference** on Advanced Nanostructured Materials for Energy Generation, Storage and Smart Applications (SPMCANM20) held on 9-10 October 2020 organized by Department of Physics, Sharadabai Pawar Mahila, Arts, Commerce and Science College Sharadanagar, Baramati, Maharashtra, India.

Research Publications: Dr. Vanita Raut

No. of Publications	Impact factor/ ISSNo / ISBN no.	Title of paper	Name of Journal	Link
12	I.F.:2.324 E ISSN:1573-482X ISSN:0957-4522	Synthesis and studies on effect of indium doping on physical properties of electrodeposited CdSe thin films (20/10/2016)	Journal of Materials Science: Material in Electronics (Springer, https://doi.org/10.1007/s10854-016-5902-6)	View document
	I.F.- 3.235 ISSN: 1572-6657	Photo electrochemical studies on electrodeposited indium doped CdSe thin films using aqueous bath (09/02/2017)	Journal of electroanalytical chemistry (Elsevier: https://doi.org/10.1016/j.jelechem.2017.02.010)	View document
	I.F.:2.324 E ISSN:1573-482X ISSN:0957-4522	Facile synthesis of Cu ₂ SnS ₃ thin films grown by SILAR method: Effect of film thickness (19/03/2017)	Journal of materials science: material in Electronics (Springer, https://doi.org/10.1007/s10854-017-6492-7)	View document
	I.F.:1.74 ISSN no 09743154	Studies on effect of pH on structural, optical and morphological properties of chemisynthesized CdSe grains (11/03/2017)	International journal of engineering research and technology (IJERT)	View document
	ISBN:978-81-927211-2-8	Effect of indium doping on the structural and morphological properties of CdSe thin films (30/01/2018)	Proceeding National seminar on “Emerging trends in basic sciences”	View document
	978-81-927211-2-8	Study on effect of thickness on the structural, morphological and optical properties of Cu ₂ SnS ₃ thin films prepared by CBD method. (30/01/2018)	Proceeding National seminar on “Emerging trends in basic sciences”	View document
	2348-1269	Studies on consequences of temp on the physical properties of CdSe thin films synthesized using chemical bath deposition method. (06/01/2019)	International journal of research and analytical reviews http://ijrar.com/uploads/conference/ijrar_51.pdf	View document
	IF: 0.80 E ISSN:1934-788X, ISSN: 1061-3862	Thin Zn _{1-x} Mn _x O Films (x = 1-4 at %) by Chemical Bath Deposition: Influence of Dopant Concentration (30/06/2021).	International Journal of Self-Propagating High-Temperature Synthesis 30, pages100–105 (2021) (Springer- https://doi.org/10.3103/S1061386221020096)	View document
	IF: 2.478, ISSN:1573-482X ISSN:0957-4522	Studies on modulated physical and photoelectrochemical properties of CdSe thin films by means of indium doping (27/05/2022) June 2022	Journal of Materials Science: Material in Electronics, 33, 13782–13791 (2022) https://doi.org/10.1007/s10854-022-08310-w	View document
	Online ISSN: 2277-1808	Synthesis, Structural and Morphological Analysis of SILAR Synthesized CdSe Thin films (26/04/2022)	Bulletin of Environment, Pharmacology and Life Sciences Vol. (1), Spl. Issue 2022 https://bepls.com/spl(1)2022.html	View document
Online ISSN: 2277-1808	Higher H ₂ S sensing performance of cadmium zinc mixed oxide thin films compared to tin doped and pure cadmium oxide thin films synthesized by spray CVD method	Bulletin of Environment, Pharmacology and Life Sciences https://bepls.com/spl(1)2022.html	View document	
Online ISSN: 2277-1808	Comparison of Calorific values of various seeds(26/04/2022)	Bulletin of Environment, Pharmacology and Life Sciences https://bepls.com/spl(1)2022.html	View document	