



Curriculum Vitae

- 1. Full Name** Dr. Sumayya Isak Inamdar
- 2. Date of Birth** 13/05/1989
- 3. Languages known** English, Marathi and Hindi
- 4. Address for correspondence** Abida Manzil,
Indira colony, Road no. 2,
Shvnagar, Islampur.

5. Educational Qualifications: M.Sc. Ph.D. (Physics)

Examination	Main Subjects	Board/ University	% of marks	Year of Passing
S.S.C.	All subjects	Kolhapur Board	64.47	2004
H.S.C.	P.C.M.B	Kolhapur Board	63.54	2006
B.Sc.	Physics	Shivaji University, Kolhapur.	78.76	2009
M.Sc.	Physics	Shivaji University, Kolhapur.	71.12	2011
Ph.D.	Studies on Spray Deposited ZnO Thin Films for Ultraviolet Photodetectors	Shivaji University, Kolhapur.	Awarded in Oct 2015	

6. Title of Ph.D. Thesis : Studies on spray deposited ZnO thin films for ultraviolet photodetectors

7. Research Guide : Prof (Dr.) K. Y. Rajpure
Department of Physics
Shivaji University, Kolhapur ,
416 004.

8. Teaching Experience: 3 years

9. Book and Article in book:

- ZnO Based Ultraviolet Photodetector (ISBN: 978-3-659-94168-9)

- **Nano materials synthesis and characterization (ISBN: 978-93-82563-36-5)**

Studies on the Synthesis and Characterization of Co-precipitated Nanocrystalline Zn-Pb-O Bulk System

10. Research papers published in international journal

Sr. No	Title of paper	Journal name
1.	High-performance metal–semiconductor–metal UV photodetector based on spray deposited ZnO thin films	Journal of Alloys and Compounds <i>I.F. 3.779</i>
2.	Studies on the synthesis and characterization of co-precipitated nanocrystalline Zn–Pb–O	Journal of Molecular Structure <i>I.F. 2.011</i>
3.	Effect of Co doping on structural, morphological and LPG sensing properties of nanocrystalline ZnO thin films	Sensors and Actuators A: Physical <i>I.F. 2.739</i>
4.	ZnO based visible-blind UV photodetector by spray pyrolysis	Superlattices and Microstructures <i>I.F. 2.385</i>
5.	Effect of the buffer layer on the metal–semiconductor–metal UV photodetector based on Al-doped and undoped ZnO thin films with different device structures	Physica status solidi (a) <i>I.F. 1.606</i>
6.	Synthesis of fast response, highly sensitive and selective Ni: ZnO based NO ₂ sensor	Chemical Engineering Journal <i>I.F. 8.355</i>
7.	Chemical Bath Deposited ZnO Thin Film Based UV Photoconductive Detector	Journal of Alloys and Compounds <i>I.F. 3.779</i>
8.	Multifunctional zinc oxide thin films for high performance UV photodetectors and nitrogen dioxide gas sensors	RSC advances <i>I.F. 3.049</i>

10. Research papers presented in national and international conferences:

Sr. No	Title of paper	Name of the conference
1.	Studies on synthesis and characterization of co-precipitated Zn ₂ PbO ₄	NSAM-2011 Shivaji University, Kolhapur
2.	Studies on synthesis and characterization of co-precipitated nanocrystalline Zn ₂ PbO ₄	ICPM-MDF-2012 Shivaji University, Kolhapur

3.	Studies on the synthesis and characterization of co-precipitated nanocrystalline Zn-Pb-O bulk system	MAM-12, K. S. Rangasamy college of Technology, Coimbatore, Tamil Nadu
4.	UV photoconductive detector on spray deposited ZnO thin films	Vivekananda college, Kolhapur
5.	Dielectric properties of undoped and Al-doped ZnO powder prepared by a chemical co-precipitation technique	NSPM-MDF 2013 Shivaji University, Kolhapur
6	Studies on complex impedance spectroscopy and dielectric properties of ZnO and Al doped ZnO powders prepared by a chemical precipitation method	ICAER 2013, IIT Mumbai
7	Effect of solution concentration on performance of ZnO based visible-blind UV photodetector	2 nd ICPM-MDF-2012 Shivaji University, Kolhapur

11. Post graduate research work

Studies on synthesis and characterization of zinc lead oxide
(Work published in Journal of molecular structure, *I.F. 2.011*)

12. Fellowships

- Maulana azad junior research fellow in year 2011-2013
- Maulana azad senior research fellow in year 2013-2015

13. Compute skill

- Experienced in windows 98 to windows 2010
- Office applications
- Computer languages C and C⁺⁺
- MS-CIT
- Expert in research software: Origin, Mathematica, Curve fitting, Gate data

14. Public Service & Volunteer Work

- National Service Scheme (NSS) camp for two years (2007-2008)
- Participated in MCC (Maharashtra Chatra Sena)

15. Languages spoken and Ability

English, Hindi, Marathi
Ability of anchoring in English