

# CURRICULUM VITAE

## Personal information:

**Name** : Dr. Sneha Suyash Kumbhar

**Address** : A P Male, Tal- Hatkanangale,  
Dist- Kolhapur Pin- 416118

**E-mail address** : kumbhar28sneha@gmail.com

**Date of Birth** : 28/05/1993

**Religion & Caste** : Hindu-Kumbhar (OBC)

**Marital status** : Married

**Languages Known** : Marathi, Hindi, English



## Educational Qualifications:

Sr. No.	Qualification	Subjects	Marks (% )	Class	Year of Passing	Board/ University
1	S.S.C	All Subjects	93.38	First	2009	Kolhapur
2	H.S.C	All Subjects	94.50	First	2011	Kolhapur
3	B.Sc	Physics	92.20	First (Dist)	2014	SUK
4	M.Sc	Solid State Physics	67.42	First	2016	SUK
5	Gate			Qualified	2017	
6	SET			Qualified	2017	Pune Uni.
7	Ph.D	Physics		Awarded	2023	SUK

**Ph. D. in Physics– March 2023**

Department of Physics, Shivaji University, Kolhapur – 416004 M.S., INDIA

**Title of thesis:**

“Studies on the chemically deposited TiO<sub>2</sub> thin films and their characterization for uv photodetector and gas sensor applications”

Guide – Prof. (Dr.) K. Y. Rajpure

**Work Experience:**

- 1) Teaching experience of 3 years as assistant professor at Vivekanand College, Kolhapur for UG
- 2) Teaching experience of 1 year as assistant professor at Vivekanand College, Kolhapur for PG
- 3) Teaching experience of 1 year as assistant professor at Dattajirao Kadam Arts, Science and Commerce college, Ichalkaranji
- 4) Assistant Professor at **Balasaheb Desai College, Patan from 21 August 2023 to till date**

**Scholarships:**

- 1) DST INSPIRE from June 2011 to May 2016
- 2) Dhirubhai Ambani scholarship June 2011 to May 2014
- 3) Dakshina scholarship
- 4) Mahatma Jyotiba Phule Research Fellowship (MJPRF) – 2021 from 18 October 2021 to 30 June 2022

**Orientation / Refresher Course:**

<b>Sr. No.</b>	<b>Name of the Course</b>	<b>Mode of Participation</b>	<b>Duration</b>	<b>University</b>
1	Orientation Course	Online	27/03/2024 to 23/04/2024	Ramanujan College, University of Delhi

**Workshops, Webinars and seminars attended:**

- 1) Career guidance and counselling cell
- 2) Intellectual property right and drafting patents
- 3) BASIC SCIENCES: CHALLENGES & OPPORTUNITIES
- 4) Driving Innovation in Advanced Materials with Modeling and Simulations
- 5) Recent Perspectives in Modern Physics
- 6) UGC\_STRIDE Online Lecture Series
- 7) USE OF LANGUAGE & TRANSLATION
- 8) Online Teaching-Learning Tools
- 9) National webinar on 'Nanotechnology and Nanomaterial 2023'
- 10) Online national seminar on 'Applications of Nanoscience and Nanotechnology 2024'
- 11) Online FDP on Advanced Physics in Engineering
- 12) National Seminar on Research Integrity and prevention plagiarism 2024

**Conferences attended and poster presentation:**

- 1) 20<sup>th</sup> annual conference on Applicable mathematics and students' carnival
- 2) National Conference on Nanomaterials – 2018
- 3) 4<sup>th</sup> international conference on Physics of materials and materials-based device fabrication
- 4) 1<sup>st</sup> international conference on Materials and Environmental science – 2018
- 5) International multidisciplinary conference
- 6) International Virtual Conference on Advanced Materials IVCAM 2020
- 7) One Day National e-Conference on "Emerging Trends in Physical Sciences NCETPS-2020"
- 8) Recent Trends in Materials Research
- 9) International E-Conference on Cutting Edge Smart Materials & Nanotechnology
- 10) International E-Conference on Emerging Trends in Nanoscience and Nanodevices (ICETNN-2022)
- 11) International e-conference on Advancements in Material Science: Trends and Applications (ICAMSTA 2024)
- 12) International e-conference on recent trends in Material science (ICTRMS – 2024)
- 13) A one day national conference on 'Resource planning and management for sustainable development'

### **Conferences attended and paper presentation:**

- 1) 1<sup>st</sup> international conference on Recent trends in Physical, Chemical, Biological Nanosciences (ICRT-PCBNano-2022) paper entitled as “CO<sub>2</sub> monitoring by chemiresistive TiO<sub>2</sub> based gas sensor”.
- 2) International Conference on Functional Material and Nanotechnology (ICFMN- 2K22) paper entitled “Metal - Semiconductor – Metal ultraviolet photodetector based on Fe based TiO<sub>2</sub> thin films”
- 3) National Conference on Physics of Materials and Material based Device fabrication 2023 (NCPM-MDF-2023) paper entitled as “Fast Response Ultraviolet Fe-doped TiO<sub>2</sub> Based Photoconductive Detector”.

### **Publication:**

#### **1] Hydrothermally-Grown TiO<sub>2</sub> Thin Film-Based Metal–Semiconductor–Metal UV Photodetector**

S. S. KUMBHAR, S.K. SHAIKH and K.Y. RAJPURE Journal of ELECTRONIC MATERIALS

#### **2] Dip coated TiO<sub>2</sub> based metal-semiconductor-metal ultraviolet photodetector for UV A monitoring**

S. S. KUMBHAR, S.S. SHEVATE, A.R. PATIL, S.K. SHAIKH, K.Y. RAJPURE  
Superlattices and Microstructure

#### **3] Photoelectrocatalytic degradation of Rhodamine B by spray deposited Bi<sub>2</sub>WO<sub>6</sub> photoelectrode under solar radiation**

RS Pedanekar, SB Madake, NA Narewadikar, SV Mohite, AR Patil, SS Kumbhar, KY Rajpure  
Materials Research Bulletin