

# Curriculum Vitae



## A. General Information

- a) Name (Surname first) : **Dr. SAMBHAJI SHRIPATI SHENDAGE**
- b) Designation : Assistant Professor
- c) College : P.V.P. Mahavidyalaya, Kavathe Mahankal
- d) Department : Physics
- e) Date of Birth : 1<sup>st</sup> June 1968
- f) Date of Appointment : 1<sup>st</sup> December 1992
- g) Total Teaching Experience : UG: 31 YEARS
- h) Permanent Address (with Pin code) : A/P – Ped, Tal – Tasgaon, Dist – Sangli - 416412
- i) Mobile No. : 8806634500
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## B. Academic Qualifications :

Sr. No.	Exam. Passed	Board/ University	Subject	Year	Grade / Class
1	M.Sc.	S. U. Kolhapur	Physics	1992	B+
2	B.Sc.	S. U. Kolhapur	Physics	1990	1 <sup>st</sup> class with distinction
3	H.S.C.	Pune	Phy, Chem, Maths, Bio	1987	1 <sup>st</sup> class
4	S.S.C.	Pune	Mar, Hindi, Eng, Sci, S. Sci,	1985	1 <sup>st</sup> class with distinction

**C. Research :**

Sr. No.	Research	Title of Work / Thesis	University / Institute
1	M. Phil 29 <sup>TH</sup> June 2009	“Studies on $Sr_{(1-x)}La_xTi_{(1-x)}Bi_xO_3$ Polycrystalline ceramics”.	Madurai Kamraj University, Madurai
2	Ph. D. 29 <sup>th</sup> July 2017	“STUDIES ON NANOSTRUCTURED TUNGSTEN OXIDE THIN FILMS FOR GAS SENSING APPLICATION”.	S. U. Kolhapur

**D. Experience :**

Sr. No.	Designation	Name of Employer	Salary with Grade Pay/ Academic Level	Date of		Experience in years
				Joining	leaving	
1.	Lecturer	P. V. P. Mahavidyalaya, Kavathe – Mahankal	2200-4000 AGP-6000	01-12-1992		31
2.	Lecturer in Sr. Scale		3000-5000			
	Lecturer in Sr. Scale		10000-15200			
3.	Lecturer in Sl. Grade		12000-18300			
4.	Associate Professor		AGP 9000			
	Associate Professor	13A, (131400-217100)				
5.	Professor	14, (144200-218200)				
Total Experience in years						<b>31</b>

**E. Orientation / Refresher / Short Term Course / FDP Completed :**

Sr. No.	Course	Duration	University / Institute
1	Refresher	8 <sup>th</sup> to 29 <sup>th</sup> Mar 2000.	S. U. Kolhapur
2	Refresher	20 <sup>th</sup> Nov to 11 <sup>th</sup> Dec 2001.	S. U. Kolhapur
3	Refresher	9 <sup>th</sup> to 29 <sup>th</sup> Nov 2010.	ASC Aurangabad
4	Refresher	12 <sup>th</sup> to 31 <sup>st</sup> Dec 2011.	ASC, University of Mumbai
5	FDP	29 <sup>th</sup> June – 4 <sup>th</sup> July 2020	SGBAU, Amravati.
6	FDP	21 <sup>st</sup> to 27 <sup>th</sup> Aug 2023	TLC, Ramanujan College, University of Delhi.

**F. Member of different committees of Shivaji University, Kolhapur.**

1. BOS sub-committee B. Sc. Physics syllabus formation.

## G. Membership

1. Member of Shivaji University Teacher's Association (SUTA)

## H. Research Papers in Peer-Reviewed or UGC listed Journals :

Sr. No.	Title with page Nos.	Journal	ISSN / ISBN No.	Impact Factor, if any	No. of co-authors	Whether principal author/ corresponding author
1	Sensitive and selective NO <sub>2</sub> gas sensor based on WO <sub>3</sub> nanoplates, 240, 426-433, 2017	<b>Sensors and Actuators B: Chemical</b>	0925-4005	9.221	7	Princippal author
2	Spray pyrolyzed indium oxide thick films as NO <sub>2</sub> gas sensor, 42(14), 16160-16168, 2016	<b>Ceramics International</b>	0272-8842	5.532	6	Co-author
3	NO <sub>2</sub> sensing properties of porous fibrous reticulated WO <sub>3</sub> thin films, 125, 9-16, 2017	<b>Journal of analytical and applied pyrolysis</b>	0165-2370	6.57	6	Principal author
4	Farming of maize-like zinc oxide via a modified SILAR technique as a selective and sensitive nitrogen oxide gas sensor, 6(13), 90916-90922, 2016	<b>RSC advances</b>	2046-2069	4.036	5	Co-author
5	Fabrication of nanogranular TiO <sub>2</sub> thin films by SILAR technique: Application for NO <sub>2</sub> gas sensor, 49(7), 191-197, 2019.	<b>Inorganic and Nano-Metal Chemistry.</b>	24701556, 24701564	1.514	7	Co-author
6	Characterization and gas sensing properties of Spin coated WO <sub>3</sub> thin films, 234(11-12), 1819-1834, 2020.	<b>ZPC</b>	2196-7156	4.315	6	Principal author
7	Chemically synthesized hierarchical flower-like ZnO microstructures, 233980, 1183-1200, 2019.	<b>ZPC</b>	2196-7156	4.315	10	Co-author
8	Porous In <sub>2</sub> O <sub>3</sub> thick films as a low temperature NO <sub>2</sub> gas detector, 306, 130916, 2022.	<b>Materials Letters</b>	0167-577X	3.574	8	Co-author
9	Effect of non-stoichiometry and oxygen deficiency in In <sub>2</sub> O <sub>3</sub> thin films on gas	<b>Materials Letters</b>	0167-577X	3.574	5	Co-author

	sensing, 307, 131091, 2022					
10	Gas sensing performance of hydrothermally synthesized indium oxide microbricks, 23, 147-153, 2020	<b>Materials Today: Proceedings.</b>	22147853	<b>2.59</b>	7	<b>Co-author</b>

**I. \*Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference Proceedings (Paper presented in Seminars/Conferences and also published as full paper in Conference Proceedings will be counted only once)**

***Paper Presented in National and International Conferences***

Sr. No.	Title of Lecture / Paper presented / Published	Title of Conference /Seminar etc	Organized by	Whether International (Abroad/within country) / National / State/ University
1	Gas Sensing performance of spray pyrolyzed WO <sub>3</sub> thin films. (Poster presented)	National Conference on the recent trends in nanotechnology during 14 <sup>th</sup> -15 <sup>th</sup> December 2012	Vivekanand College, Kolhapur.	National
2	Square Sheets of Tungsten Oxide by Hydrothermal Route	International conference ICPM-MDF-2014 on 13-15 <sup>th</sup> Jan 2014	Dept. of Physics, Shivaji University, Kolhapur.	International
3	Synthesis and characterization of hydrothermally grown WO <sub>3</sub> -GO thin films	International conference on materials science and ionizing radiations safety awareness on 28 <sup>th</sup> -30 <sup>th</sup> Jan 2016.	Dept. of Physics, Shivaji University, Kolhapur.	International
4	Enhanced NO <sub>3</sub> gas sensing properties of Flower-like ZnO microstructure (337-342) [paper presented and published; Proceeding of International conference on Advances in Material Sciences, ISBN No.978-93-5254-490-5]	International conference on Advances in Material Sciences on 7 <sup>th</sup> -8 <sup>th</sup> Dec 2016	R. R. College, Jath.	International
5	Temperature dependent properties of spray	International conference on Advances in Material Sciences on 22 <sup>nd</sup> -23 <sup>rd</sup> Dec	R. R. College, Jath.	International

depositedSnO2 thin films. [paper presented and published; Proceeding of International conference on Advances in Material Sciences, ISBN No. 978-81-931247-6-5]	2017		
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**J. Awards and any other achievements**

Sr. No.	Name of the award	Year
1	Material's Today Cover Competition Dec (2014) – SEM Image of WO3 synthesized by Spray Pyrolysis Technique – Runner Up.	Dec 2014

**K. Participation in Conferences/Seminars and Workshops (Write only numbers)**

- Conferences : 05
- Workshops : 11
- Symposium : 01
- Seminar : 06
- Awareness Program : 03
- Webinar : 11
- Oral Quiz : 03