

## Teacher Profile



**Mr. Sherkar V. B.**

Assistant Professor, Department of Physics

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### A) Personal Details

- 1) Name : Sherkar Vishal Balasaheb  
2) Address : AtPostTal Parner, Sobalewadi Dist Ahmednagar, 414302  
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4) Mobile : +91-9270975496  
5) PAN No. : DRWPS5086L  
6) AADHAR No. : 497788216878  
7) Date of Birth : 23<sup>rd</sup> Jan 1990  
8) Qualification : M.Sc., B.Ed, SET  
9) Designation : Assistant Professor  
10) Department : Physics  
11) Date of Joining : 14<sup>th</sup> March 2024  
12) Experience : a) Teaching : UG- 09 PG- 09 Years  
b) Research : 09 Years  
c) Examination: Paper Setter : 09 Years  
Jr/Sr. Supervisor : 09 Years  
Examiner/Moderator : 09 Years

### B) Educational Details

Degree	Board/ University	Year of Passing	Percentage Marks	Grade/ Class
M.Sc.	Symbiosis International University	2014	60.32	First Class
B.Sc.	Savitribai Phule Pune University, Pune	2012	65.83	First Class
B.Ed.	Savitribai Phule Pune University, Pune	2016	62.60	First Class
SET	Savitribai Phule Pune University, Pune	2023	--	--

**C) Participation in Conference/ Seminar/Workshop: 10**

<b>Name of The Conference</b>	<b>Date of conference</b>	<b>State/ National/ International</b>	<b>Organizer/ attended/ Resource Person</b>
National level Conference “New Trends and Development in Physics” (NTDP-2016)	8 <sup>th</sup> - 9 <sup>th</sup> Jan 2016.	National	Organizer
INTERNATIONAL Conference on Impact of Chemical Research on Environment	17 <sup>th</sup> -18 <sup>th</sup> Feb 2016	International	Attended
State level conference “Advanced method for material characterization” (SCAMMC – 2018)	5 <sup>th</sup> – 6 <sup>th</sup> Jan 2018	State	Attended
State level seminar “Recent Trends in Smart Material”	24 <sup>th</sup> – 25 <sup>th</sup> Jan 2018	State	Attended
International conference “Innovations in Physical, Chemical and Life Sciences” (IPCLS 2018)	27 <sup>th</sup> – 28 <sup>th</sup> Dec 2018	International	Organizer
“106 <sup>th</sup> Indian Science Congees Association 2019”	3 <sup>rd</sup> – 7 <sup>th</sup> Jan 2019	International	Attended
National conference “Recent development in material science and its Applications”	22 <sup>nd</sup> – 23 <sup>rd</sup> Jan 2019	National	Attended
National level conference “Advance functional material: Synthesis,	3 <sup>rd</sup> – 4 <sup>th</sup> Jan 2020	National	Attended

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Characterization and Applications” (NCAFM-2020)			
One day National webinar on National Education Policy (NAP 2020)	8 <sup>th</sup> Feb. 2021	National	Attended
One Day National Webinar on Biobased Nanomaterials: New Trends and Applications	21 <sup>st</sup> Dec. 2021	National	Attended
One day NET/SET Workshop guidance to UG and PG Students	3 <sup>rd</sup> Feb 2022	National	Organizer

**D) Research**

1) **Research Interest: Material Science, Nanotechnology, Physics of thin films**

2) **Research Project: 02**

Name of Project	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency
“Synthesis and Characterization of Bismuth Ferrite Nanoparticle by Chemical Route”	2018	20000	02 Year	New Arts, Commerce and Science College Parner
“Study of Structural, electrical and magnetic properties of multiferroic BiFeO <sub>3</sub> ”	2022	20000	02 Year	New Arts, Commerce and Science College Parner

**3) Research Publications**

a. Books, Papers Published in National/International Conference/Workshop proceedings: **01**

<b>Title of the book/chapters published</b>	<b>Title of the paper</b>	<b>Title of the proceedings of the conference</b>	<b>Name of the conference</b>	<b>National/International</b>	<b>Year of publication</b>	<b>ISBN/ISSN number of the proceeding</b>	<b>Affiliating Institute at the time of publication</b>	<b>Name of the publisher</b>
APPLIED SCIENCE AND COMPUTATIONS	Synthesis and Characterization of Bismuth Ferrite nanoparticles by Sol-Gel auto combustion technique	JASC (Journal of applied science and computations)	National conference on Recent development in recent science and its application	National	2019	1076-5131	New Arts, Commerce and Science college shevgaon	V. B. Sherkar <sup>1</sup> , A.V. Mancharkar <sup>2</sup>

**E) Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc:**

<b>Name of Programme</b>	<b>Subject</b>	<b>Place</b>	<b>Date(s)</b>	<b>Funding Agency</b>	<b>Grade (if any)</b>
“Induction Programme”	Various aspect of teaching and learning	Indian Institute of Science Education and Research Pune	12/11/2018 to 08/12/2018	MHRD Pandit Madan Mohan Malviya National Mission on Teachers and Teaching	B Grade (63.09)
Introduction to Innovative pedagogies	Science	Indian Institute of Science	25/04/2022 to 27/04/2022	Maharashtra State faculty	--

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for UG teachers		Education and Research Pune		Development Academy	
Five-Day Faculty Development Programme	“Recent Advances in Material Characterization Techniques”	Vivekananda Institute of Technology, Jaipur	15/02/2021 to 19/02/2021	RTU(ATU) TEQIP-III	--

**F) Co-curricular, Extension and Outreach activities ( Please give details of only your participation)**

Name of the Activity	Date	Participation
Educational tour for UG/ PG students GMRT, Khodad	28.2.2018 & 29.2.2020	Participated
Guest Lecture on Carrier opportunities in Physics	19 <sup>th</sup> Aug. 2019	Participated
Teacher day and welcome function	5 <sup>th</sup> Sep. 2019	Participated
Learning Physics through Expt.	20 <sup>th</sup> Sept. 2019	Participated
Felicitation of SET/NET Qualified Alumni	7 <sup>th</sup> Dec. 2019	Participated
Certificate course (Computer Repairing Technology)	19 <sup>th</sup> Dec. 2019	Participated
Science Day and Farewell Function	28 <sup>th</sup> Feb. 2020	Participated
Guest Lecture on Carrier & Research opportunities in Physics	23 <sup>rd</sup> Feb. 2021	Participated
Learning Physics through Expt.	10 <sup>th</sup> March 2021	Participated
Certificate Course	16 <sup>th</sup> March 2021	Participated
Learning Physics through Expt.	9 <sup>th</sup> Dec. 2021	Participated
Innovative Activity “Mystery and Stranges in Physics”	17 <sup>th</sup> Jan. to 22 <sup>nd</sup> Jan. 2021	Participated
One day NET/SET Workshop guidance to UG and PG Students	3 <sup>rd</sup> Feb. 2022	Participated
National Webinar	29 <sup>th</sup> Jan 2022	Participated

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Carrier opportunities in Physics		
Certificate course (Computer Repairing Technology)	9 <sup>th</sup> May to 14 <sup>th</sup> May 2022	Participated
Industrial Visit-Carrier Miidea India Pvt. Ltd., MIDC, Supa	13.5.2022	Participated
Guest Lecture on 'Physics in Present time'	10 <sup>th</sup> Sep. 2022	Participated