

Faculty Profile

- **Faculty Name** : Sujata Bhalchandra Patil
- **Designation** : Assistant Professor
- **Department** : Physics
- **Mobile No.** : 8767462638
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• Educational Qualification

Sl.	Degree	University	Class
1	Ph.D.	D.Y.Patil University, Kolhapur	-
2	M.Sc.(Physics)	Shivaji University, Kolhapur	Distinction

• Professional experience:-

Total experience in years:15

Teaching:-12

Industrial:-00

Research:-03

Sl.	Organization	Post	Period
1	PVPIT,Budhgaon	Lecturer	2012 to2020
2	RIT,Islampur	Lecturer	2020-2021
3	D. Y. Patil University,Kolhapur	Lecturer	2021toApril2025
4	AMGOI, Vathar	Assistant Professor	2025 to till date

➤ **Subject Taught:-**Physics

Undergraduate Subjects			
1	Physics	2	Radiation Physics
3	USG and Color Doppler	4	Interventional Radiology
5	Mammography	6	Fundamentals of Imaging Devices
7	Radiation protection and Preventive Medicine	8	Physical and geometrical optics
9	Magnetic Resonance Imaging	10	Environmental Science
Postgraduate Subjects			
	-		-

➤ **Project Work at U.G.:-**

➤ **Project Work at P.G.:-**Synthesis and characterization of cadmium selenide thin films by SILAR method -

➤ **Research Area of Interest:-** Supercapacitor, Hydrogen evolution reaction

➤ **Book Published:-**

➤ **Paper Published in National & International Journal:-**

Sl.	Title	Name of Journal	Type* (NJ/IJ)	Date	ISSN No.
1	Chemically synthesized tungsten oxide (WO ₃) electrodes for high-performance asymmetric supercapacitor application: effect of deposition time	Journal of Materials Science: Materials in Electronics	IJ	2023	34,(2023) 1956
2	Tungsten oxide (WO ₃)/reduced graphene oxide (rGO) electrodes for asymmetric supercapacitor application,	Journal of advanced composites and hybrid materials	IJ	2025	8, (2025), 175,
3	Molybdenum oxide electrodes for Supercapacitor application: effect precursor concentration,	International Journal of Energy Research,	IJ	2025	1,(2025), 2526821
4	Regulated α -Fe ₂ O ₃ nanosheet-based chemically synthesized anodes for energy-dense, binder-free divalent Mg-ion hybrid supercapacitors	Journal of Power Sources	IJ	2026	1, (2026), 664
5	Binder-free chemical synthesis of reduced graphene oxide/transition metal oxide-based composite for supercapacitor application	Energy Materials	IJ	2026	61, (2026), 2447–2464
6	Basic Principles in Low Dimension Materials for Energy Storage: An Introduction	ACS Publication	IJ	2026	(2026), 161-195

*NJ-National Journal

IJ-International Journal

➤ **No. of Project Guided at U.G. Level:-** -

➤ **No. of Project Guided at P.G. Level:-** -

➤ **STTP/FDP/Workshops/Attended/Participated:-**

Sl.	Name of STTP/FDP/workshop	Organized By	Date
1	Presented poster in international conference on "Recent trends in fabrication of nanomaterials and their applications"	Rajashri Chhatrapati Shahu College, Kolhapur	15 th March 2023
2	Presented poster in international conference on "Nanotechnology Addressing the Convergence of Materials Science, Biotechnology and medical Science"	CIR, DYPES, Kolhapur	12 th – 14 th February 2024

3	Presented poster in "DNYANSHODH-2023"	CIR, DYPES, Kolhapur	9 th March 2023
4	Presented poster in "DNYANSHODH-2024"	CIR, DYPES, Kolhapur	28 th February 2024
5	Attended international conference on "Advanced Material Synthesis, Characterizations, and Applications" (AMSCA-2022)	Department of Physics, Savitribai Phule University, Pune	18 th to 20 th October 2022
6	Attended international conference on "Advanced Material Synthesis, Characterizations, and Applications" (AMSCA-2023)	Department of Physics, Savitribai Phule University, Pune	21 st to 24 th November 2023
7	Attended an international conference on "Emerging Trends in Material Science"	D.P. Bhosale College, Koregaon, Satara.	9 th and 10 th November 2022
8	Workshop on "Intellectual Property Rights" under National IPR Awareness Mission	D.P. Bhosale College, Koregaon, Satara.	12 th August 2022
9	Workshop on "Awareness about sharing R & D resources through I-Stem portal"	Shivaji University, Kolhapur	5 th August 2022
10	Attended an international conference on "Advanced materials and applications" (ACAMA-2023)	M.H. Shinde	1 st July 2023
11	Attended national seminar on "Emerging nano materials for renewable energy"	Sanjay Ghodawat University, Kolhapur	26 th December 2022
12	Fdp on Advanced Professional Communication And Modern Pedagogical Approaches	AMGOI, Vathar	29-12-2025
13	Fdp on Advanced Professional Communication And Modern Pedagogical Approaches	RIT, Islampur	10-9-2025
14	45th GISFI Standardization Series Meeting and International Workshop on Digitisation : Bridging the Present and Future	AMGOI, Vathar	30/10/2025
15	One -Day Workshop on "NBA Accreditation Preparation"	AMGOI, Vathar	04-01-2026
16	NEP Orientation and Sensitization Programme	UGC & MMTU	05-02-2026
17	One week Faculty Development Program on, Advances, Challenges and Research Trends in Electrical Vehicle Technology	AICTE	20/ 04/ 2026

➤ **Special Achievements:-**

Senior research fellow of Chhatrapati Shahu Maharaj research and training institute (SARTHI) Pune, government of Maharashtra.

✓ Junior research fellow of Chhatrapati Shahu Maharaj research and training institute (SARTHI) Pune, government of Maharashtra.

✓ Project assistant D.Y. Patil Education Society (Deemed to be University), Kolhapur internal university project

- **Departmental Responsibilities:-**R&D Cell Co-ordinator, Academic Co-ordinator, class Co-ordinator, NPTEL Swayam Co-ordinator, Criteria 6 Co-ordinator,
 - **Other Experience/Responsibilities If Any :-**
 - **Social Contribution If Any:-** Notebook Donation, Tree Plantation
- 1. Professional Membership If Any:- Institute For Educational Research and Publication**