



# Bapu Pandit Patil

 Medha (Satara), Maharashtra, India

 +91-8788661068

 [bapupatil567@gmail.com](mailto:bapupatil567@gmail.com)



## ❖ EDUCATION

May 2018	<b>Ph.D Pursuing</b>	Dept. of Chemistry, Savitribai Phule Pune University, Pune, Maharashtra, India
Jun 2023	<b>MH-SET</b>	Savitribai Phule Pune University, Pune, Maharashtra, India
Jan 2017	<b>NET-JRF(AIR 164)</b>	<b>CSIR</b>
2015 - 2017	<b>M.Sc. (Inorganic Chemistry)</b>	Dept. of Chemistry, Savitribai Phule Pune University, Pune, Maharashtra, India
2012 - 2015	<b>B.Sc. (Chemistry)</b>	Nawrosjee Wadia College, Pune, Maharashtra, India
2010-2012	<b>12<sup>th</sup> (Science)</b>	S.S.V.P.S College Dhule (State board) Maharashtra, India
2010	<b>10<sup>th</sup> (Marathi medium)</b>	P. P. Pandurang dada M.V. Nandane (Dhule) (State board) Maharashtra, India

## ❖ TEACHING EXPERIENCE

**July 2017 – Apr.2018** Assistant professor in Chemistry PG level at Sir Parshurambhau College, Tilak Road Pune, Maharashtra, India

## ❖ RESEARCH EXPERIENCE

May 2018 - Present **Research Scholar**, Dept. of Chemistry, Savitribai Phule Pune University, India  
**Title:** Synthesis Charectersation of Lanthanum Transition Metal Based, Alkaline Earth Metal Doped Perovskite Material for Supercapacitor Application.  
**Supervisor:** Prof. Satish K. Pardeshi

Dec. 2016 - Apr. 2017 **M.Sc. Project**, Dept. of Chemistry, Savitribai Phule Pune University, India  
**Title:** Study of Interaction of DNA with Antihypertensive (Amloride) Drug Using Spectroscopic Techniques.  
**Project Adviser:** Dr. Divya Ottoor

2014-2015 **UGC major research project entitled** Study of columnar ozone, UV-B erythermal dose and precipitable water content and variation over pune, at Atmospheric physics research laboratory N. Wadia college Pune  
**Principal Intestigator:** Dr. G.R. Aher

## ❖ PUBLICATIONS

- **Influence of Cu doping on structural optical and electrical properties of CdS thin film prepared by electrochemical deposition technique**  
J.A Borse, A.S Gadre, **B.P. Patil** and S. K. Pardeshi\*
- **Impact of VTMS on coating performance of optimized CNSL and tannic acid-biomodified epoxy resin**  
Kunal A. Pokharkar, Ganesh Zade, **Bapu P. Patil**<sup>3</sup>, Satish K. Pardeshi, S. Radhakrishnan, M. B.Kulkarni
- **Design of LaMnO<sub>3</sub>/rGO composite electrode materials for high-performance energy storage devices**  
**Bapu Patil**<sup>1</sup> Rohidas Jagtap<sup>1,2</sup> Darshan Narkhede<sup>1</sup> Satish Pardeshi<sup>1</sup>
- **Electrochemical performance enhancement of lanthanum nickelate by Sr doping for supercapacitor application**  
**Bapu P. Patil**<sup>1</sup> Rohidas M. Jagtap<sup>1,2</sup> Satish K. Pardeshi<sup>1</sup>

## ❖ TECHNICAL SKILLS

- Excellent skills in **hydrothermal & auto combustion** synthesis of pure inorganic perovskite materials.
- Knowledge & experience in Characterizing synthesized material by using different spectroscopic techniques such as **UV-Visible Spectrophotometer** (SHIMADZU UV 1800), **FTIR** (BRUKER-ALPHA II – PLATINUM-ATR), **POWDER XRD** (RIKAGU ULTIMA IV), **TGA** (SHIMADZU TGA 60-H)
- Expertise in fabrication of electrodes for electrochemical analysis using **CV, GCD & EIS** (IVIUM VERTEX C POTENTIOSTAT)
- Proficient in the use of all **Microsoft office programs, ChemDraw** & analyzing data using **Origin Pro, X'Pert Highscore Plus, PowderX & ZView** software

## ❖ ORAL/POSTER PRESENTATION

OCT-2023	<b>Title:</b> Synthesis Characterization of Sr substituted LaFe <sub>1-x</sub> Sr <sub>x</sub> O <sub>3</sub> for supercapacitor application Presented at AMSCA MAVERICK. held in 2022 Organized by the Department of Physics Savitribai Phule Pune University
DEC-2022	<b>Title::</b> LaMnO <sub>3</sub> /rGO Composite: Synthesis, Characterization and its Application for Supercapacitor Presented at Indian Council of Chemists held in 2022 Organized by the Department of Chemistry, Institute of basic science, Khandari, Dr. B.R. Ambedkar University Agra
DEC 2021	<b>Title :</b> Effect of Sr substitution on Structural, Electrical and Optical properties of LaNi <sub>1-x</sub> Sr <sub>x</sub> O <sub>3</sub> Perovskite Oxides <b>Global Initiative of academic network (GIAN)</b>

Aug 2016	Certificate of participation from Department of chemistry savitribai phule pune university in the course <b>Advance Organometalic Chemistry 2016</b>
Jan 2014	<b>Madhava Mathematics Competition</b> Organized by Department of mathematics, and Homi Bhabha centre for science education, TIFR, Mumbai 2014

#### ❖ **AWARDS AND RECOGNITION**

Dec. 2022	<b>Prof. L.Nalanda Sharada &amp; Mr. Ch. J. Vora Prasadam Award for Best Oral presentation</b> held in 2022 by the Department of Chemistry, Institute of Basic Science, Khandari, Dr. B.R. Ambedkar University Agra
Dec.2021	<b>Young Scientist Award for Best Oral presentation</b> held in 2021 by the Department of Chemistry Satvahana University Karimnagar (T.S)