Curriculum Vitae

Dr. Sharad L. Jadhav (M.Sc., Ph.D.)

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Career Objective:
I aim to build a career in the teaching profession and help motivate students to achieve their goals through my best knowledge and efforts.

Educational Qualification:

- Ph.D.in Physics, Institute of Science, Dr. Homi Bhabha State University, Mumbai (Feb.2024).
- M.Sc., Solid State Physics, Shivaji University, Kolhapur (2016).
- B.Sc. Physics, Solapur University (2012).

Teaching Experience:

- One year of teaching experience for Rayat Shikshan Sanstha Dr. N. D. Patil College, Malkapur (Perid).
- One year of teaching experience for Rayat Shikshan Sanstha Balwant College Vita (Sangali).
- Three years of teaching experience for Rayat Shikshan Sanstha D. P. Bhosale College, Koregaon (Satara).
- Six months of teaching experience at Bharati Vidyapeeth, College of Engineering, Navi Mumbai.
- One year of teaching experience for Rayat Shikshan Sanstha at D. P. Bhosale College, Koregaon (Satara).
- Six months of teaching experience at Dr. Babasaheb Ambedkar Technological University, Lonere (Raigad).

Research Experience:

Three years of research experience in Physics (material science) in the nanotechnology field such as Supercapacitors, Batteries, Solar cells, Water splitting, electrochromic, etc

Publications lists:

1) Porous crosslinked Co_3O_4 nanoflakes synthesized at different pH media for electrochemically charge storage applications; **Sharad L. Jadhav**, Amar L. Jadhav, Anamika V. Kadam, **Electrochimica Acta**,2022, 426, 140845**, I.F- 6.9**.
2) Influence of deposition current and different electrolytes on charge storage performance of Co_3O_4 electrode material; **Sharad L. Jadhav**, Amar L. Jadhav, Bhalchandra K. Mandlekar, Pradip B. Sarawade, Anamika V. Kadam, **Journal of Physics and Chemistry of Solids**, 2023,180, 111422, **I.F- 4.0.**
3) Mo-doped porous Co3O4 nanoflakes as an electrode with the enhanced capacitive contribution for Asymmetric supercapacitor application; **Sharad L. Jadhav**, Amar L. Jadhav, Pradip B. Sarawade, Bhalchandra K. Mandlekar, Anamika V. Kadam, **Journal of Energy Storage**, 2024,82,110540, **I.F- 9.4**.
4) Effect of Different Metals Doped in Nickel Oxide Nanomaterials on Electrochemical Capacitive Performance Supercapacitors for the Next Generation; Amar L. Jadhav, **Sharad L. Jadhav**, Anamika V. Kadam, **Itech open**, 2021 (**Book Chapter**).
5) Effects of various molarities of nickel oxide on the aggregate 1D–3D structure and its electrochemical activity; Amar L. Jadhav, **Sharad L. Jadhav**, Bhalchandra K. Mandlekar, Anamika V. Kadam, **Journal of Alloys and**

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Compounds,2022, 925,166716, **I.F- 6.3.**

6) Porous 3D columnar-sphere of NiO nanomaterials synthesized for supercapacitors via hydrothermal route: impact of thiourea concentration; Amar L. Jadhav**, Sharad L. Jadhav**, Bhalchandra K. Mandlekar, Anamika V. Kadam, **Physical Chemistry Chemical Physics**,2023,25 (36), 24712-24720, **I.F- 3.6**.
7) Hydrothermally synthesized three-dimensional hierarchical CuO nanomaterials For energy storage applications; Amar L. Jadhav, **Sharad L. Jadhav**, Bhalchandra K. Mandlekar, Anamika V. Kadam, **Materials Chemistry and Physics**, 2023,310,128494, **I.F- 4.6**.
8) Binder-free room-temperature synthesis of amorphous-WO_3 thin film on FTO, ITO, and stainless steel by electrodeposition for electrochromic application; Bhalchandra K. Mandlekar, Amar L. Jadhav, **Sharad L. Jadhav**, Ayesha Khan, Anamika V. Kadam, **Optical Materials**,2023, 136, 113460, **I.F- 3.08**.
9) Synthesis of Bi-doped titanium oxide by chemical bath deposition for dye-synthesized solar cell application; A.A. Kamble, A.L. Jadhav, V.B. Ghanwat, **S.L. Jadhav**, D.S. Gaikwad, **Inorganic Chemistry Communications**,2023, 152, 110681, **I.F- 3.8**.
10) 3D marigold flowers of copper-nickel oxide composite materials as a positive electrode for high-performance hybrid supercapacitors; Amar L. Jadhav, **Sharad L. Jadhav**, Sawanta Mali, C. K. Hong, Anamika V. Kadam, ***New J. Chem.***, 2024,**48**, 12275-12287, **I.F- 2.7**.
11) Controlled synthesis of cobalt oxide electrode by electrodeposition for Supercapacitor application; **S.L. Jadhav**, A.L. Jadhav, V.S. Jamdade, K.R. Kharat, A.A. Deshmane, A.V. KAdam, **National Conference on Relevance of Engineering and Science for Environment**,2021, https://books.aijr.org/index.php/press/catalog/book/118.
12) Synthesis of Nickel Oxide Nano Material by Electrodeposition for Electrochemical Capacitive Analysis; A.L. Jadhav, **S.L. Jadhav**, V.S. Jamdade,K.R. Kharat, A.A. Deshmane, A.V.Kadam, **National Conference on Relevance of Engineering and ScienceforEnvironment**,2021,https://books.aijr.org/index.php/press/catalog/book/11.
13) Studies on Optical, Structure, and Photoconductivity of Titanium Dioxide Thin Films Prepared by Chemical Bath Deposition Via Aqueous Route; V.M.Bhuse, Amit A. Kamble, Panchashila A. Ubale, Amar L. Jadhav, **Sharad L. Jadhav**, **Macromolecular symposia**,2019, 400 (1), 2100020, **I.F- 0.75**.
14) Spinel nickel ferrite (NiFe2O4) materials synthesized via spray-pyrolysis for electrochemical supercapacitor application; Vidyadevi D Patil, Dilip A Patil, Amar L Jadhav, **Sharad L Jadhav**, Anamika V Kadam, Sunita R Dandwate, Bhaurao R Shinde, **Discover Electrochemistry**,2024,1,2, **I.F-0.5**.
15) Effect of Cd2+ Substituted Nickel Ferrite oxide (Ni1-xCdxFe2O4) on Magnetic, Dielectric and Structural Properties; K.R. Kharat, S.L. Jadhav, A.L. Jadhav, A.V. Kadam, J.L. Bhosale, T.S. Magdum, **National Conference on Relevance of Engineering and Science for Environment**,2021,https://books. aijr. org/index. php/press/catalog/book/118.
16) Organic solvent-driven synthesis of Mo-doped Co_3O_4 nanostructures: Elevating Supercapacitor performance through solvent engineering; **Sharad L Jadhav**, Amar L Jadhav, Anamika V Kadam**, Next Materials**,2025,8,100850, **I.F.-2.0**.
17) Engineering spinel Fe_2O3 nanostructures for sustainable energy storage: A spray pyrolysis approach; V.D Patil, A.L Jadhav, D.A Patil, A.V Kadam, B.M Mandlekar, Nilofar Mulla, S.L Jadhav, **Interactions**,2025,246,100,1-12.

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Academic Achievements:

1) **State Level** Avishkar Award (**3rd Prize**) Teacher faculty under Shivaji University, Kolhapur.
2) Chhatrapati Shahu Maharaj Research, Training and Human Development Institute (SARTHI), Pune, for financial support through a Junior/Senior Research Fellowship under the CSMNRF – 2021/2021-22/896 from **Maharashtra Government**.
3) Oral presentation **First-prize** at the Emerging Trends in Material Science International/ national conference, Koregaon, Satara

Professional Skills:

- Excellent communication skills to deliver the subject easily and effectively.
- Knowledge in utilizing all the modern teaching aids such as computer internet surfing, online tests, power point presentations, etc.
- Caring attitude towards student's needs and concerns.
- Strong desire to work with students.

Hobbies:

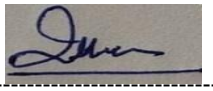
- Reading books.
- Listening to music.
- Playing cricket.

Personal Details:

- Date of Birth: 18 May 1990
- Gender: Male
- Category: Open
- Nationality: Indian
- Marital Status: Unmarried
- Religion: Hindu
- Languages Known: English, Hindi, Marathi.
- Permanent address: A/P- Jadhavwadi (Modnimb), Tal- Madha, Dist: - Solapur, Maharashtra, Pin- 413301.

Declaration: I hereby declare that all the above information is true to my knowledge.

Place: Mumbai



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