

CURRICULUM VITAE

Prashant D. Sanadi

Email ID: sanadiprashant@gmail.com

Linkedin: Prashant Sanadi

Cell: +917709485145.



Career Objective: To work in an esteemed organization which helps me to upgrade my knowledge & technical skills, realize my potential to the fullest extent and thus to be a part in the growth of the organization.

Academic details:

Sl. No's	Examination Passed	Institution	Division Board	Grade
1	Class X/ SSC	Shree Bhairavanath High School Daribadchi	Kolhapur	A
2	Class XII / HSC	Raje Ramrao Mahavidyalaya Jath	Kolhapur	B
3	B.Sc. (Chemistry)	Raje Ramrao Mahavidyalaya Jath	Shivaji University, Kolhapur	A
4	M.Sc. (Chemistry)	Shivaji University, Kolhapur	Shivaji University, Kolhapur	(CGPA 6.06) A
6	MH-SET- 2024	Savitribai Phule Pune University		APRIL 2024
5	Ph.D.	Shivaji University, Kolhapur	Shivaji University, Kolhapur	Thesis Submitted

Patent

1. German patent application number 202023102203:

A system for synthesizing a ligand for extractive spectrophotometric determination of Copper (II). IPC G01N 31/22.

2. UK Design patent number 6402295

Electrocatalyst device for efficient water splitting in hydrogen production

3. Indian Design patent number 437097-001

Water electrolyser device for hydrogen fuel.

4. Indian Design patent number 452155-001

Fluorescence spectroscopy-based nanoparticle interaction device for bovine serum albumin studies.

List of Research Publications

1. K. R. Sanadi, **P. D. Sanadi**, M. L. Gaur, A. V. Mali and G. S. Kamble, Optical, electric and morphological studies of β HgS thin film prepared by improved chemical bath deposition technique, **Bulletin of Materials Science**, 44, 2021, 1-5.

2. Ganesh S. Kamble, Thillai Sivakumar Natarajan, Santosh S. Patil, Molly Thomas, Rajvardhan K. Chougale, **Prashant D. Sanadi**, Umesh S. Siddharth, Yong-Chein Ling, BiVO_4 as a sustainable and emerging photocatalyst: Synthesis methodologies, engineering properties, and its volatile organic compounds degradation efficiency, **Nanomaterials** 2023, 13, 1528.

3. Rachana Ghaware, **Prashant Sanadi**, Dattatray Narale, Rakhee Bhosale, Komal Patil, Prof. Jin H. Kim, Prof. Sanjay Kolekar, Effect of Small Change in Reaction Conditions on the Size of Monoclinic BiVO_4 Nanoparticles and their Photocatalytic Abilities, **Chemistry Select** 8(25), 2023.

4. **Prashant D. Sanadi** , Rajvardhan K. Chougale , Dhanaji B. Malavekar, Jin Hyeok Kim, Srinivaas Masimukku, Guo-Ping Chang-Chien, Young-Chein Ling, Sanjay S. Kolekar, Ganesh S. Kamble

“Efficient Hydrogen Evolution via Neutral Water Electrolysis using Nanocrystalline TiO_2 Electrocatalyst” **Scientific Report**, 15, 16074, 2025.

5. Prashant D. Sanadi, Rajvardhan K. Chougale, Dhanaji B. Malavekar, Jin Hyeok Kim, Srinivaas Masimukku, Guo-Ping Chang-Chien, Yen-Yi Lee, Rachana C. Ghaware, Sanjay S. Kolekar, Ganesh S. Kamble, Controllable synthesis of semiconducting anatase TiO₂ nanostructures for visible light-driven photocatalytic degradation of crystal violet and methylene blue dye **Spectrochemical Acta A: Molecular and Biomolecular Spectroscopy**, 341, 126404, 2025.

6. Mehejbin R. Mujawar, Dhanaji B. Malavekar, Deepak A. Kumbhar, **Prashant D. Sanadi**, Rajesh B. Sawant, Jin-Hyeok Kim, Ankush M. Sargar and Shivaji R. Kulal, Enhanced Oil-Water Separation by Affordable and Eco-friendly Candle Soot-Wax Coated Sponges, **Engineering Research Express** 7, 025420, 2025.

7. Mehejbin R. Mujawar, Dhanaji B. Malavekar, **Prashant D. Sanadi**, Deepak A. Kumbhar, Jin Hyeok Kim, Ankush M. Sargar and Shivaji R. Kulal
Development of a cost-effective candle soot-polymer composite mesh for efficient oil-water separation. **Phys. Scr.** 100, 065960, 2025.

Conferences/ Workshop/FDP

1. “Materials for Energy Harvesting and Catalysis” organized by Tata Institute of Fundamental Research (TIFR), Mumbai and Indian Institute of Science Education and Research (IISER), Kolkata, Dated 1st to 3rd May 2020.

2. Fifth International Conference on Advances in Materials Science (Online) organized by the Post-Graduate Department of Physics Raje Ramrao Mahavidyalaya, Jath held on 06th – 07th June 2020.

3. 5-Day Faculty Development Programme on “ACCELERATING INNOVATIONS IN MATERIAL SCIENCE-SURFACE CHARACTERIZATION” organized by the Department of Chemistry, BMS Institute of Technology & Management, Bengaluru, India from 18th to 22nd May 2021.

4. Workshop & Hands-on Training on Bio-Atomic force microscopy (BIO-AFM) organized by SAIF (CFC), Shivaji University, Kolhapur under Maharashtra Academy of Science and Stride programme held during 04-05 Jan 2022.

5. “MATERIALS FOR ENERGY AND SUSTAINABILITY (MES-2022)” organized by the Department of Chemical Engineering, College of Engineering and Technology SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India. Dated 20 – 21st January, 2022.

6. 1st International Conference on Recent Trends in Physical, Chemical, Biological Nanoscience (ICRT-PCB Nano-2022) organized by Lal Bahadur Shastri College of Arts, Science, and Commerce, Satara held on 17th -18th May 2022.

7. "Emerging role of radiation in nanotechnology Fundamental to transitional research" jointly organized by ISRAPS & School of Nanoscience and Technology, Shivaji University Kolhapur. in association with Maharashtra Academy of Science Kolhapur chapter held on 15th October 2022.

8. "University-Industry linkages: Employability & Entrepreneurship Development" organized by the University-Industry Interaction Center, Shivaji University, Kolhapur, held on 12th June 2023.

9. "One Day International Conference on Advanced Materials and Applications" (ICAMA-2023) (Online) organized by the M. H. Shinde Mahavidyalaya, Tisangi Tal. Gaganbavda, Dist. Kolhapur, held on Saturday, 1st July 2023.

10. One-day International Conference on "Recent Advances on Material Sciences" (RAMS-2024) organized by Nya. Tatyasaheb Athalye Arts, Ved. S.R. Sapre Commerce and Vid. Dadasaheb Pitre Science College (Autonomous), Devrukh Department of Chemistry and Physics in Collaboration with KIT's College of Engineering (Autonomous), Kolhapur held on 4 April 2024.

11. AVISKAR 2024-2025 organized by Department of Chemistry, Shivaji University, Kolhapur on 20th and 21st December.

12. PM -USHA Sponsored A Two- Day National Conference on "Sustainable Development and Scientific Synergies for the Future (SDSSF – 2025) organised by Yashwantrao Chavan Warana Mahavidyalaya Warananagar. Tal. Panhala Dist. Kolhapur held on 21st & 22nd February, 2025.

Expertise in Laboratory Techniques:

- Synthesis and characterizations of Nanoparticles by various methods
- Research interested in Environmental and Energy Storage.
- Excellent computer skills in Chemistry-related applications.

Extra - Curricular Activities

Visited Sugar Industries under Study Tour for final year B.Sc. -2015

Visited Tea Industries under Study Tour for final year M.Sc. – 2017

Attended NSS camp at BSc and MSc levels.

Personal profile:

#Full Name: PRASHANT DARI SANADI

#Father Name: DARI # Mother Name: SHOBHA

#Date of Birth: 20.07.1994. # Gender: Male.

Cast: Scheduled Cast (SC) #Nationality: INDIAN.

#Hobbies: Playing chess, Cricket, Reading news, etc.

Languages Known: Marathi, Hindi, English & Kannada

Permanent Address: S/O Prashant D. Sanadi

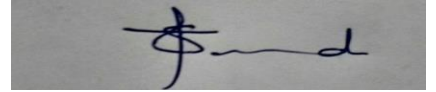
Near SBHD High School Daribadchi

Taluka: Jath, District: Sangli, Pin: 416 412

Declaration:

I now declare that the above information reflects my knowledge and belief.

Place: Daribadchi



Your' sincerely