**CURRICULUM VITAE**

**SNEHA SANTOSH SALVI**
**(Ph.D. in Chemistry)**

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**Permanent Address**
**(For postal communication)**

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Dr. Babasaheb Ambedkar
Technological University Campus,
Lonere. Dist- Raigad,
State- Maharashtra
PIN: 402103

**Personal Data**

Father's Name : Santosh

Mother's Name : Sangita

Date of Birth : 19th June 1991

Gender : Female

Nationality : Indian

Marital Status : Married

Languages : English, Marathi & Hindi

**Alternate Email:**

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## Career Objective

Seeking a challenging environment that encourages continuous learning and creativity provides exposure to new ideas and simulates personal and professional growth.

## Education Details

1. **S.S.C ( June 2006)**
   Maharashtra state Board
   Percentage- 71.60%
2. **H.S.C (June 2008)**
   Maharashtra state Board
   Percentage-62.17%
3. **B.Sc. (June 2011)**
   Major Subject-Chemistry
   Applied Component Group-Drugs & Dyes
   University-Mumbai University
   Percentage-71.13%
4. **Master of Science (M.Sc.) (April 2013)**
   Specialization-Organic Chemistry
   University-Mumbai University, Kalina Campus.
   Percentage- Final Semester GPA -7.2 [72%]
   Cumulative Grade Point Average-6.7 [67%]
5. **Doctor of Philosophy (Ph.D. in Chemistry))**
   **Ph.D. Thesis Defense Date:** 10th December 2021
   **University:** Dr.Babasaheb Ambedkar Technological University, Lonere, Dist-Raigad State-Maharashtra India.
   **Thesis Title:** Synthesis, Characterization and Photocatalytic Activity of Doped Metal Oxide.
6. **Other Courses:**
   MS-CIT Course (Percentage Score- 78%)
   English Typing Course (Percentage Score- 82% )

## Academic Project

1. M.Sc. Project Work – SYNTHESIS OF 2-ARYL-2,10 DIHYDRO-3H-9-OXA-2,3,3-ATRIAZABENZO[F]-AZULEN-4 ONE DERIVATIVES.

2. Ph. D. Project Work - Synthesis, Characterization and Photocatalytic Activity of Doped Metal Oxide.

## Laboratory Expertise

1.Extensive laboratory instrumentation work including UV-Visible Spectrophotometer, UV-Photo reactor, Chemical Oxygen Demand (COD) Digester and Titration Instrument, FT-IR, pH Meter, Conductivity Meter, Ultrasonicator, Chemical Oxygen Demand (COD) Digester and Titration Instrument, Lux Meter.

2. Proficiency with Liquid and Gas Chromatography, Mass Spectroscopy, UV-Visible Spectroscopy, Powder X-Ray Diffraction, Field Emission-Scanning Electron Microscopy, Energy Dispersive X-Ray, Photoluminescence Spectroscopy, X-Ray Photoelectron Microscopy (XPS), Thermo Gravimetric-Differential Thermal Analysis, FT-IR Spectroscopy.

3. Experience with different Photocatalyst synthesis methods such as Mechanochemical, Citrate Gel and Co-precipitation Method.

4. Utilization of Excel, MS Office, Origin, Chemdraw for data analysis and interpretation.

## Area of Interest

Organic and Inorganic synthesis, Material Science, Characterization, Photocatalytic Degradation Study, Photoluminescence Study.

## Research Paper Publications in Journals

1. Degradation of recalcitrant phenol pollutant and antibacterial study by Ni, Sr doped ZnO, Inorganic and Nano-Metal Chemistry, ISSN: 2470-1556 (Print) 2470-1564 (Online), DOI: 10.1080/24701556.2019.1662806.
2. Photodegradation of Rhodamine 6G dye by Cd, Sr doped ZnO Photocatalyst, Synthesized by Mechanochemical Method, Advances in Intelligent Systems Research (2017), Atlantis Press Book, Vol. 137, Page No. 48-53.
3. Comparative study of efficiency of Cd and Sr doped ZnO photocatalyst synthesized by mechanochemical and coprecipitation method, Scientific Journal International, ISSN 1936-6264 ; 1945-3019(O), Doi: 10.105373/1936-6264.15.
4. Effect of Cd, Ni codoping on photocatalytic activity of Zinc Oxide, Synthesized by Citrate Gel Method, International Journal of Research in Advent Technology, Vol.5, No.11, November 2017, E-ISSN: 2321-9637.

5. Structural, Optical and Photocatalytic Study of Ni, Sr doped ZnO on Degradation of Methyl Orange, AJANTA Journal, Volume-VIII, Issue-I, ISSN: 2277-5730.

## Conference Attended/Paper presentation in Conference

1. Presented poster on "Recent Trends in Synthesis of Photocatalyst: A Review" in National Seminar on New Horizons in Chemical and Environmental Science held at Karmaveer Bhaurao Patil College, Vashi.
2. Attended one day Interdisciplinary state level conference on "Science for Sustainable Development" at Anandibai Pradhan Science College, Nagothane, Raigad.
3. Attended International Conference on Material, Manufacturing and Design Engineering (ICMMD) at Dr. Babasaheb Ambedkar Technological University, lonere.
4. Participated and Presented a research paper entitled "Structural, Optical and Photocatalytic Study of Ni, Sr Doped ZnO on Degradation of Methyl Orange" in International Conference on "New Trends in Commerce, Economics Banking, Cooperation, Management, Computer Science, IT & Environment", at POONA College of Arts, Science and Commerce during 8$^{th}$ and 9$^{th}$ February 2019.
5. Attended National conference on Multi-Disciplinary Research and Practices-2020 on 15$^{th}$ February 2020 at G. M. Vedak College of Science, Tala.

## Training & Workshop

- Attended Two days workshop under TEQIP-II on "Advanced MS Office" organized by Department of Mechanical Engineering, Dr. Babasaheb Ambedkar Technological University, lonere during 19-20 March 2016.

- Participated in the One Week Short Term Training Programme **(STTP)** on "Integrated Approach towards Water Processing and Management" organized by Department of Petrochemical Engineering of Dr. Babasaheb Ambedkar Technological University, Lonere, during the period 15-19 October 2019.

- Participated in the 14 days Online Faculty Development Programme on "MATERIAL SCIENCES & NANOTECHNOLOGY **(FDP-MSNT-2020)** organized by Department of Chemistry, B. S. Abdular Rahman Crescent Institute of Science and Technology, Vandalur, Chennai-48 during the period 3$^{rd}$ August to 17$^{th}$ August 2020.

## Experience

1. Research Scholar at Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad. (September 2015 to June 2021)
2. Worked as a Lecturer in Dr. Babasaheb Ambedkar Science College at Mahad. (2 Years)
3. Worked as Trainee in Sudarshan Chemical Industry, MIDC, Mahad. (6 Months)

## Declaration

I consider myself familiar with chemistry and material science aspects. I am also confident of my ability to work in a team.

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Lonere, Raigad.

Date:

**SNEHA SANTOSH SALVI**