

## CURRICULUM VITAE

### Profile

**Miss. Anuradha S. Sabale**

**M.Sc. II(Nanoscience & Technology)**

**School of Nanoscience and Technology,**

**Shivaji University, Vidyanagar,**

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### Personal Details

**Name** : Miss. Anuradha S. Sabale

**Date of Birth** : November 5, 1994

**Nationality** : Indian

**Sex** : Female

**Marital Status** : Single

**Postal Address** : Miss. Anuradha S. Sabale

A/P-Vaduth, Tal- Satara,

Dist- Satara, 415 011

Maharashtra, INDIA

### Objectives

To make the best use of my technical expertise in logic development and data analysis in a research based career, hence to acquire and apply advanced knowledge in a particular field, "Nanoscience and Technology"

## Educational Qualification

Examination	Year of Passing	University/Board	Class Obtained (Percentage)
<b>M.Sc. II [Nanoscience &amp; Technology]</b>	Appearing	Shivaji University Kolhapur	<b>First Class (72.33%)</b>
<b>M.Sc. I [Nanoscience &amp; Technology]</b>	Apr- 2016	Shivaji University Kolhapur	<b>First Class (66.50%)</b>
<b>B.Sc. [Nanoscience &amp; Technology]</b>	Apr-2013	Shivaji University Kolhapur	<b>First Class (68%)</b>
<b>H.S.C [L. B. S. Satara]</b>	Feb- 2012	Kolhapur Divisional Board	<b>First Class (60.67%)</b>
<b>S.S.C [Shripatrao Patil Highschool, Satara]</b>	Mar- 2010	Kolhapur Divisional Board	<b>First Class With Distinction (78.36%)</b>

## Workshop / Seminars Attended

Name of the Workshop	Organizer	No. of Days	Year
<b>National seminar on Nanoscience and Nanotechnology</b>	Department of Physics, Sadguru Gadage Maharaj College, Karad	One Day	11 <sup>st</sup> Feb, 2017
<b>Recent Trend in Physical, Chemical and Nanoscience</b>	L.B.S. College of Art, Science and Commerce, Satara	One Day	23 <sup>rd</sup> Jan, 2017
<b>GIAN Programme on Cancer and Neurological Nanotechnology From Basic to Translational and clinical sciences</b>	Shivaji University, Kolhapur	Five Days	14 <sup>th</sup> to 18 <sup>th</sup> Nov, 2016
<b>Organic Electronics Devices</b>	Department of Technology, Shivaji University, Kolhapur	One Day	24 <sup>th</sup> Sep, 2013

## Academic Research Project

### Project Title:

*Study on effect of different synthesis parameters on the characteristics of CdSe Quantum Dot by hot injection method.*

### Information:

The CdSe quantum dots (QDs) have been successfully synthesized by a simple hot injection method by using parallel synthesizer. In quantum dots synthesis process, there are synthesis parameters plays an important role in directing nucleation, growth and the crystalline phase of CdSe quantum dots, so effect of different reaction time, temperature and Se concentration on CdSe QDs was studied. The absorption spectrum peak shifts towards higher wavelength by increasing the reaction time, temperature, Se concentration with size ranging from 2 nm to 5 nm. Here we concluded that, at time of synthesis the optimized parameters like reaction time, temperature and Cd:Se molar ratio then we got high quality QDs with narrow size distribution and high quantum yield.

## Research Skills

- I have performed various synthetic experiments based on the nanoscience and nanotechnology during my B.Sc. III, M.Sc. I & II academic year. I have knowledge about **Spin coating, SILAR, CBD, Dip Coating, Spray Pyrolysis and Electrodeposition**.
- I have knowledge about various characterization techniques. (Surface Profiler, UV-Vis spectrophotometer, SEM, FESEM, XRD, FT-IR and FT-Raman).

## Computer skills

- Proficient in Microsoft office (Word, Excel, PowerPoint, etc.)
- Origin 8

## Professional Skills

- Communication skill in Hindi, Marathi & English.
- Smart worker

- Leadership quality and good team player
- Decision making ability with involving team members with motivation

## Achievements

- 3<sup>rd</sup> prize in poster event in the Inter College Competitions organized by Chemistry Department of Rajaram College, Kolhapur

## Reference

Prof. Dr. P. S. Patil  
Coordinator,  
School of Nanoscience and Technology Department,  
Shivaji University, Kolhapur  
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Email: patilps\_2000@yahoo.com

## Declaration

I hereby declare that the particulars given above are true to the best of my knowledge and belief.

Date-

Place-

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**Miss. Anuradha S. Sabale**