



## SHWETA AMRUTKAR

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### Career Objective

Seeking challenging and rewarding full time position in company with growth and learning opportunities in supportive, challenging work environment that will take advantage of my knowledge of polymer and surface coating technology.

### Academic Credentials

Qualifying Examination	College/ Institute	University	Year of passing	%Marks/ CGPA
M. Tech (Polymer Engineering & Technology)	Institute of Chemical Technology, Mumbai	Autonomous (Deemed)	2021	9.5
B. Tech (Surface Coating)	Institute of Chemical Technology, Mumbai	Autonomous (Deemed)	2018	8.14
12 <sup>th</sup> (HSC)	Saraswati Vidyalaya and Jr. College	Mumbai board	2014	84.64%
10 <sup>th</sup> (SSC)	Saraswati Vidyalaya	Mumbai board	2012	92%

### Work Experience

- AkzoNobel India Ltd., Bangalore**

June 2018-June 2019

Job was focused on *Protective Coating Department*. Experiments were conducted related to floor coating, development of new surface tolerance epoxy, evaluation & testing of paint by substituting alternate raw material to reduce the cost, solving customer problems, shade matching according to customer demand, chromoscan support, providing technical information of products. Also, worked on projects like Siemens Gamesa, and servion in power segment.

### Professional Training

- BASF India Ltd., Mumbai**

May 2017-June 2017

Job was focused on *Construction Chemicals* at Technical Services Department- Pigment and Dispersion division. Experiments conducted related to water-based floor coating, waterproofing and emulsion-based paver block coating to substitute acrylic based coating. Gained hands on experience on various characterization techniques involved in these projects.

### Academic Projects and Research Experience

- M. Tech Research Project**

Working on "Synthesis and Characterization of Mechanochromic Materials" under the guidance of Prof. (Dr.) S. T. Mhaske

- B. Tech Final Year Project**

Worked on "Synthesis of Non-Isocyanate Polyurethane" under the guidance of Prof. (Dr.) G. D. Yadav and Dr. A. S. Sabnis

- Research Trainee (Bombay Technology Undergraduate Research Programme)**

May 2016-June 2017

Worked as undergraduate researcher under the guidance of Dr. S. T. Mhaske on the topic of "*Conductive Coating by Interfacial Polymerization*".

- Summer Trainee**

May 2016-July 2016

Worked as Summer Trainee on the topic of "*Chemical modification of epoxy and polyesteramide coating for increased corrosion resistance*" under the guidance of Dr. S. T. Mhaske.

### Technical Presentations/ Seminar

- Research paper presentation in the **International Conference on Science & Technology**, Coimbatore, Jan. 2021.
- Technical paper and poster presentation in **VORTEX 2017**, the largest chemical festival of India.
- Technical paper presentation in the **International Level Conference – CORCON 2017**, on “*Enhancement of anticorrosive properties of epoxy coating by modified pistachio shell ash*”, Sept. 2017, conducted by **NACE International**.
- Poster presentation in the **National Level Conference – RANGOTSAV 2017**, on “*Applications of Thermo responsive polymers*”, March 2017.
- Participated in *Industry Defined Problem* in the **National Level Conference on Advances on Polymers and Coating- RANGOTSAV 2017**, March 2017.

### Paper Publication

- A research paper on “*Synthesis of anticorrosive and flame-retardant coating based on turmeric and magnesium hydroxide*” is published in book of papers of **International Conference on Science & Technology**, Feb. 2021.
- A review paper on “*Shape Memory Polymer Nanocomposite: A review on structure-property relationship*” has been communicated to **Polymer Bulletin**, Dec. 2020.
- A research paper on “*Enhancement of epoxy coating with modified seed ash*” is published in **Bombay Technologist International Journal**, June. 2018.
- Co-authored a research paper published in book of papers of **International Conference -CORSYM 2018, NACE International**.
- Published a research paper on “*Enrichment of epoxy coating system with modified shell ash*” in the **International Journal of Environment and Waste Management**, Sept. 2017.
- Research paper entitled “*Enhancement of anti-corrosive performance of epoxy coating by pistachio shell ash*” published in book of papers of **International Conference -CORCON 2017**.

### Awards and Achievements

- Received best presentation award at **ICOST-2021, Coimbatore** for presenting research paper on “*Synthesis of anticorrosive and flame-retardant coating based on turmeric and magnesium hydroxide*”.
- Selected in *Top 10 Product Innovations amongst 2000+* participants in **3M Young Innovator Challenge, 2020** and being part of YICA team 2020.
- Secured AIR 280 in GATE 2019.
- Received best presentation award at **CORSYM-2018, IIT Madras** for presenting research paper on “*Superior anticorrosive properties in epoxy coating through waste utilization*”.
- **DST Inspire scholarship** May 2014 -June 2014

Eligible for Scholarship for higher education by virtue of standing amongst the top 1% of students appearing for the Higher Secondary Certificate Examination.

- **INSPIRE AWARD** Jan. 2011

Received in the Science Exhibition at State Level.

### Positions and Responsibilities

- **Event Head** Dec. 2016- Feb. 2017  
Organized Art Events in Manzar 2017, one of the biggest Cultural Festival of Institute of Chemical Technology, got overwhelming response with more than 50 participants.
- **Department Coordinator** Feb. 2015- Oct. 2015

Worked for Creative Department in Vortex 2015, one of the biggest Chemical Festival of India, includes participation from whole country.

### Technical Skills

- Packages: Microsoft: Office, Word, Excel, Power Point
- Operating System: Windows, OS X

### Certification Courses

- Successfully completed the online certification course “*Entrepreneurship: Do your venture*” organized by NSRCEL, Bangalore, August 2020.
- Successfully completed the online course ACS Reviewer Lab, demonstrating their understanding on the principles of high quality of peer review including reviewer ethics, instructions for reviewers, and tools and components for writing a constructive review, July 2020.
- Successfully completed “*The Fundamentals of Digital Marketing*” certification course exam conducted by GOOGLE, June 2020.

### Extra-Curricular Activities

- Worked for a live independently organized TED event, in the Institute of Chemical Technology.
- Volunteered for Run for Cause, initiative of the institute.
- Member of Art Club of ICT
- Volunteered for AWAAZ, cause for children’s welfare, to teach the children basic art and craft and educate them about good hygiene and sanitation.
- Participated in 2nd SKC National Abacus and Mental Arithmetic Competition, held at Pune on 16th December 2007.
- Qualified Elementary and Intermediate grade examination held by Government of Maharashtra.

### Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I will solely be responsible for any discrepancy found in them.

Place: Mumbai  
Shweta Amrutkar