

Dwij Dave

R&D Executive

Well-organized and proactive engineer with a disciplined mindset and thorough approach. Proficient in Literature survey & Organic Chemistry with hands on experience in development of Polyurathane, Epoxy as well as Emulsion polymers.



Contact

Address

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Phone

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Skills

Polymer synthesis ●●●●○

Analytical testing ●●●●○

Statistical data analysis ●●●●○

Literature survey ●●●●○



Languages

English ●●●●●

Hindi ●●●●●

Gujarati ●●●●●

Marathi ●●●○○



Work History

2019-09 -

Current

R&D Executive

Gargi Huttenes Albertus Pvt Ltd, Khopoli, Maharashtra

- Completed research project, "Improvement in initial tensile strength for cold-box resin" with 15% Increase in Initial tensile strength of 4 Cold-box resin grades.
- Researched various subjects that were related to project and presented information to appropriate stakeholders.
- Supported research and development efforts to create new products, equipment and processes.
- Oversaw inventory activities, including materials monitoring, ordering and re-stocking.
- Compiled data in reports and other documents.
- Gathered, arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
- Helped team meet regulatory requirements by coordinating documentation and filings.

2018-07 -

2018-12

R&D Intern

Pidilite Industries Ltd, Mumbai, Maharashtra

Completed 6 months internship at Pidilite Industries Ltd, in R&D -Polymer Synthesis division as a part of M.Tech program under the guidance of Dr. Santanu Roy.

Completed emulsion synthesis based research project titled, "Study effect of Particle size and molecular weight on properties of latex for paper &

paperboard coating".

2016-06 -
2017-06

Graduate Engineer Trainee

*Huhtamaki Paper Products Ltd, Khopoli,
Maharashtra*

- Sampled products for detailed analysis.
- Completed precise measurements using special tools.
- Evaluated components and final products against quality standards and manufacturing specifications.
- Recorded and organized test data for report generation and analysis.



Education

2017-08 -
2019-08

M.Tech: Polymer Technology

Institute Of Chemical Technology - Mumbai
CGPA - 9.34/10

2013-07 -
2016-07

B.Tech: Plastics & Polymer Engineering

Maharashtra Institute Of Technology - Aurangabad
CGPA- 8.48/10

2008-07 -
2013-07

Diploma Engineering: Plastic Engineering

Shri Bhagubhai Mafatlal Polytechnic - Mumbai
76.54% (GPA - 7.94/10)

1995-06 -
2008-06

Secondary Schooling Certificate (S.S.C)

Shantinagar High School - Mira Road, Mumbai
81.69%



Accomplishments

1. M.Tech : 2 research paper publications -
a) titled, "Isosorbide-derived boron- and phosphorus-containing precursors for flame-retardant epoxy coating" in Springer's journal of coating technology & research (2020).

b) titled, "Novel flame-retardant reactive water-dispersible agents for the development of waterborne polyurethane dispersions (WPUDs)"- under review.

2. Cleared GATE 2017 (Engineering Science) with AIR-214.

3. B.Tech : published a research paper titled, "Synthesis and analysis of resin made from oil of Semecarpus Anacardium" in STM journal's Journal of Catalyst & Catalysis, Volume 2, Issue 3.



Interests

Reading novels

Diary writing

Travelling



Personal details

Date of birth : 11th October, 1992

Blood group : B +ve

Passport number : P3097580

Marital status : Unmarried