

SACHIN BAPU SONAWANE

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At dombivali dist Thane Navi Mumbai



OBJECTIVE

To enhance my professional skills, capabilities and knowledge in an organization which recognizes the value of hard work and trusts me with responsibilities and challenges.

EXPERIENCE

May 2023 -

Green hydroxyl technologies dombivli Mumbai

Research and development polymer synthesis & formulation chemist.

1.Polymerization Techniques

Bulk polymerization, Solution polymerization, Suspension polymerization, Emulsion polymerization

2.Material Synthesis

Polyester polyols synthesis, PU dispersion, **hardener synthesis**, **Paint resin**, Cosmetic resin, Ink resin, **Foam resin**.

Polyestrification, Trans Estrification oil in water Emulsion , Polyols emulsion , Polyester Polyols

3.Analysis and Characterization End group analysis.

EDUCATION

April 2023

KBC north Maharashtra University jalgaon

M.sc in industrial chemistry

Grade A+/70.55

May 2021

Gtp college Nandurbar . Maharashtra

B.sc in chemistry

Grade O /85.33

Feb 2018

SHG Shroff high school Nandurbar

12th science

A/69.08

SKILLS

- 1.Moisture testing (Karl Fischer instrument) 2. Good knowledge about computer applications

PROJECTS

- Synthesis and Characterization of PU Film from Epoxidized Dehydrated Castor Oil.**

This research explores creating a polyurethane (PU) film using a sustainable resource - epoxidized dehydrated castor oil (EDCO). EDCO is derived from readily available castor oil, making it an attractive alternative to petroleum-based materials.

ACHIEVEMENTS & AWARDS

- 1 Three Year NSS Course completed . 2.Kolhapurr NSS camp.

HOBBIES

- Meditation , Gym exercise

REFERENCE

- **Prof. P. P. Mahulikar - School of chemical science KBC North Maharashtra University jalgaon**
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- **Dr. V. V. Gite - School of chemical science KBC North Maharashtra University, jalgaon 425 001 (MS)**
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