NIKHIL RAMBHAROSH DHORE

Master in Paint Technology

CONTACT

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PERSONAL DETAILS

- **Date of Birth**: 21-01-1997

- **Language known**: English, Hindi, Marathi.

- **Hobbies**: Reading Quara & Motivational Books, Life hacks, Motivational Videos and all physical sports.

- **Gender**: Male

- **Marital Status**: Unmarried

- **Nationality**: Indian

CAREER OBJECTIVES

To work under an organization that provides challenging opportunities to develop my inherent strength of knowledge.

ACADEMIC CREDENTIALS

➢ **M. Tech.** in **Paint Technology** at University Institute of Chemical Technology, KBC North Maharashtra University, Jalgaon during year 2018-2020 with 1st Class. [CGPA: **7.55**/10.00]

➢ **Diploma in Industrial Safety, Health & Environment** at Ch. Shivaji University, Kolhapur with 1st Class. [**63.67%**]

➢ **B. Tech.** in **Chemical Technology** at Department of Technology, Ch. Shivaji University, Kolhapur during year 2014-2018 with 1st Class. [CGPA: **7.94/10.00**]

➢ **HSC** (Vocational) in Maharashtra State Board, 2013-2014, **71.69%**

➢ **SSC** in Maharashtra State Board, 2011-2012, **78.91%**.

ACADEMIC PROJECTS

M. Tech. Project: Bio-based Tough and Flexible High Temperature Resistance Hybrid Coating.

➢ Carried this project at **CSIR-Indian Institute of Chemical Technology, Hyderabad** under the guidance of Dr. RAMANUJ NARAYAN (Senior Principal Scientist) and his group.

➢ Cardanol was subjected to vacuum distillation and further reacted with excess formaldehyde in combination with phenol to give resoles and on further modification with Epichlorohydrin give epoxidized resole.

➢ Same epoxidized resole was blended with the 5 wt.% APTES.

➢ Thermal stability of 5 wt.% APTES modified epoxidized resole was better than epoxidized resole because of Si-O-Si linkages

B. Tech. Projects:

Major project- **Ultra-sonication assisted Extraction of Biodiesel from Waste Cooking Oil.**

INTERPERSONAL SKILLS

- Good grasping ability.

- Initiator and passionate about working.

- Handle critical situation.

- Creative skills.

➢ Use of ultra-sonication method helps to reduce consumption of catalyst during the reaction by about 60 min and also requires significantly less time for the completion of reaction.

➢ Biodiesel (fatty acid methyl ester) is a nontoxic and biodegradable alternative fuel that is obtained from renewable sources.

➢ Used cooking oil is economical sources for biodiesel production.

Mini project- **Reducing water evaporation rate by using evaporation retardant in reservoirs, lakes & ponds.**

➢ It reduces evaporation by nearly 3 times.

➢ So the better evaporation retardant water evaporation is Cetyl alcohol. It is derived from coconut oil and the yield is about 50%.

➢ It is apparent that in adding any such chemical evaporation retardant to water body to prevent surface evaporation, the compound must be harmless to both aquatic life and plant.

EXPERIENTIAL LEARNING

➢ Attended Workshop on **"Material Characterization & Instrumentation Techniques"**

➢ Attended Workshop by IIT, Bombay on **"System approach to Green Engineering via optimization at design and operational control".**

➢ Industrial Visit at **"Soyabean Oil Extraction Plant, SGI Industries & Effluent Treatment Plant"**

➢ Industrial Training at **"Rashtriya Chemicals & Fertilizers Ltd."**

➢ Industrial Safety Training at **"IndoRama Synthetics Limited"**

➢ Certificate Course in **"Piping and Process Design Engineering"**

EXTRA–CURRICULAM ACTIVITY

➢ **Review Paper published** in UGC approved journal (IJETAE, ISSN 2250-2459) [Paper ID- IJETAE_0318_134].

➢ Participated in National Level Competition at Dr. BATU, Lonere in Paper Presentation on **"Carbon Nanotubes"**.

➢ Won 2nd Prize in "TechFest 2018" Project Competition.

➢ Member of Indian Institute of Chemical Engineers (IICHe)

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

Place: –

Date : –   /   / 2020   **NIKHIL R. DHORE**