



KARAN CHUGH

M.Tech in Polymer Engineering and Technology from Institute of Chemical Technology (ICT) with 2.5+ years of experience in R&D.



PERSONAL DETAILS

Assistant Manager in R&D with experience of 2.5+ years in Coatings, Resins, Polymers, Adhesives. Published 2 research articles in International Journals on Adhesives which are made from Renewable Resources and has the potential to replace welding and Riveting.



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Address

Block no. C-6/24, opp Ashoka Tower, Uhasnagar-3



SKILLS (TECHNOLOGY / FUNCTIONAL)

- AutoCAD
★★★★★
- Chemdraw
★★★★★
- Origin 8.0
★★★★★
- MS office Applications
★★★★★
- Team Oriented and Results driven
- Adaptability
- Decision Making
- Self-motivation
- Time Management



EXPERIENCE

Indokem Limited

Assistant Manager R&D | Aug 2018 - Present

- Worked on projects based on Polymeric Emulsions by using various Acrylates, Butadiene, Styrene, Vinyl Acetate, Poly Vinyl Alcohol for applications of coatings, printing and adhesives.
- Worked on silicone and non silicone softeners.
- Currently working on Encapsulation of Perfume softeners.

Standard Products

R&D Executive | Jun 2015 - Aug 2016

Projects worked and developed are:

- RTV Silicone Sealants for Automobile Engine applications.
- Solvent Cement for PVC and UPVC Pipes

Covestro Pvt. Ltd. (Formerly Bayer MaterialScience Pvt. Ltd.)

Summer Intern | May 2014 - Jun 2014

- Formulations of Polyurethane coatings and comparative study between water-borne and solvent-borne Polyurethane Wood coatings.



EDUCATION

Institute of Chemical Technology (ICT) | Aug 2016 - Jun 2018

Masters in Technology (M. Tech) in Polymer Engineering and Technology | 8.84 CGPA

- Grade Point 10/10 in M. Tech research project with 478 marks out of 500

Institute of Chemical Technology (ICT) | Jul 2011 - May 2015

Bachelors in Technology (B. Tech) in Polymer Engineering and Technology | 6.62 CGPA

C.H.M College | Jul 2009 - Apr 2011

HSC

N.C.T Convent School Apr 2009

SSC



PROJECTS

UNSATURATED POLYESTER RESIN FROM PET FIBERS

Development of POLYESTER-AMIDE Hot Melt Adhesives from renewable resources



PROFESSIONAL ENHANCEMENTS

Publications

- Karan Chugh, Ganesh Phalak, Shashank Mhaske. "Preparation and characterization of Polyester-etheramide hot melt adhesive system from Renewable Resources" International Journal of Adhesion and Adhesives. 2019
- Karan Chugh, Ganesh Phalak, Shashank Mhaske. "Fatty acid based novel precursors for Polyester-etheramide hot melt adhesive" Journal of Applied Polymer Science. 2019.

Courses / Workshops / Seminars

- Participated in the **Orientation to Chemical Security Risk Management** Workshop (April 19 to 21,2017) organised in Mumbai, India and sponsored by United States Department of State and Sandia National Laboratories, Albuquerque, USA.
- Presented seminar on Unsaturated Polyester Resins from PET fibers.

Awards

- Received Academic Achievement Award from Rotary Club on 08/09/2019.
- AutoCAD: Secured 96% and A++ Grade in Government recognised exam of CAD.
- Secured 1st Rank with trophy celebration at National level in **ABACUS EXAM** held at Chennai.

+ EXTRA-CURRICULAR

Volunteering

- Working as a Volunteer in **Rotaract Club of Sapna Garden** (Ulhasnagar) since 2013 in various activities of the club such as Blood Donation camp, Heart checkup camp, Thalassemia camp, Eye checkup camp, Swachh Bharat Abhiyan camp, Anath Ashram Activities, Senior citizen organization, Elders home activities.

Participations / Sports

- Orange Belt in Karate Competition.
- Participated in Industry Defined Problem event at Rangotsav 2017, ICT, Mumbai

Interests

- Traveling,
- Watching & playing games like football, Table tennis, Cricket, Badminton
- Reading
- Photography
- Exploring new gadgets
- Water activities such as canoeing, Jet Skiing

Languages

- English
- Hindi
- Marathi
- Sindhi