



Job Description – Research Chemist (Organic and Polymer)

Code: RRIL-RnI-05

Background information:

- revalyu resources GmbH (www.revalyu.com) owns patent for a proprietary chemical recycling process which transforms waste polyethylene terephthalate (PET) bottles back into high quality esters. These esters are indistinguishable from esters derived from virgin petrochemicals.
- revalyu recycling (India) Ltd. operates an industrial scale plant in Nashik where this patented process is used to recycle waste plastic (PET) bottles into 100% recycled PET resin and polyester filament yarns. The Nashik plant has capacity of around 12000 tonnes of plastic bottle waste per year and operates on a continuous 24/7 basis.
- The recycled PET resin and filament yarns produced by revalyu are integrated in the supply chain of many leading brands such as adidas, Decathlon, The North Face, Ikea etc.
- revalyu Recycling (India) Ltd. is currently expanding its manufacturing capacity and is setting up an in-house Research and Innovation (R&I) Centre.
- R&I team will be empowered to develop new and existing products with unique features and competitive advantage and develop efficient manufacturing processes. The team is looking to fill following positions.

Position: Research Chemist – Organic and Polymer

Location: Nashik (near Dindori)

Starting Date: January 2024

Travel: Yes, ≤ 10%

Salary and Benefits: Commensurate with experience

Role Description:

The Research Chemist (Organic and Polymer) will be a part of Research and Innovation (R&I) team and will be responsible for following activities:

- Synthesis of monomers, oligomers, and polymers with clear focus on end application of material (major focus would be aromatic polymers)
- Characterization of intermediates and polymers by various analytical tools (GPC, DSC, NMR, HPLC, GC, etc.)
- Devising suitable test methods for application development and trial testing
- Establishing 'Structure-Property-Performance' relationship data
- Actively contribute towards team's effort on ideation and execution of new projects that would help in generating new IP, products, and competitive advantage

Desired Profile:

❖ Education and Experience:

- M. Sc. or M. Tech. (Organic Chemistry / Polymer Technology) + (3-6) years of experience
- Quality industrial / academic research experience in synthetic organic and polymer chemistry
- Excellent bench chemistry skills – both synthesis and purification
- Well-versed with handling of and data analysis from analytical instruments
- Fundamental understanding of structure-property-performance correlation in polymer science
- Experience with condensation and step-growth polymerization is preferred.
- Prior experience with pilot scale polymerizations is preferred but not necessary



❖ Functional Competencies:

- Excellent experimental skills
- Organized and structured approach towards problem solving
- Capable of working with team members from complimentary and diverse skill sets
- Strong analytic ability and logical reasoning
- Excellent communication skills

Apply at: Candidates are requested to send their resumes to HR Team at:

K/A: Mr. Dattatrey More; Email: dattatray.more@revalyu.in

E-mail subject: "Resume – RRIL – RnI-05"