

Dr. Zulfiqar Ahmad Rehan

Associate Professor, Department of Chemistry, Office 2047

E-mail: z.rehan@squ.edu.om

Credentials M.S. (University of Engineering & Technology, 2002); PhD (King Abdul-Aziz University KSA, 2016)

Specialization: Polymeric membranes, Nanocomposites, Conducting polymers, Paints and Coatings

Experience and Research Interest

The research focuses on polymeric nanocomposite membranes for potential applications in water desalination, and wastewater treatment. The development and synthesis of new materials for anti-biofouling and improved rejection of contaminants in wastewater.

In addition to polymeric membranes, the research area expanded to conductive polymers for sensor applications, EMI shielding and IR camouflage, Paints and Coatings, Emulsion polymerization, and plasticizers.

I also have ample industrial consultancy experience in the chemical, polymer, paints and coatings industries. I have also completed many industry-academia projects previously.

Teaching Interest

Undergraduate: Polymer Chemistry, petroleum Chemistry

Postgraduate: polymers, nanocomposites, polymer characterization