

Department of Chemistry

Name	Dr. Amrutlal L. Prajapat
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Designation	Assistant Professor Department of Chemistry, Uka Tarsadia University, Maliba Campus, Gopal Vidyanagar, Bardoli Dist: Surat, Gujarat, INDIA, www.utu.ac.in
Email	amrutlal.prajapat@utu.ac.in amrutprajapat@gmail.com
Qualification	M.Sc Polymer Chemistry, PhD (Science) ICT Mumbai.
Area of interest	Wastewater treatment, Polymer degradation/depolymerization, Polymer derivatization, Analytical chemistry, Acoustic Cavitation, Hydrodynamic Cavitation,
Industrial Experience	3.9 years
Research Experience	6 years
Achievements	<ul style="list-style-type: none">➤ UGC-SAP -Senior Research Fellowship, 2015-2017, Given by University Grants Commission, India.➤ UGC-SAP -Junior Research Fellowship, 2013-2015, Given by University Grants Commission, India.➤ Ph.D. Entrance Test (PET), July 2012, eligibility for Ph.D. by Institute of Chemical Technology (ICT), Matunga, Mumbai, Maharashtra, India.
List of Publications	<ul style="list-style-type: none">• A.L. Prajapat, P.R. Gogate, Depolymerization of guar gum solution using different approaches based on ultrasound and microwave irradiations, Chem. Eng. Process. Process Intensif. 88 (2015) 1-9.• A.L. Prajapat, P.R. Gogate, Intensification of depolymerization of aqueous guar gum solution using hydrodynamic cavitation, Chem. Eng. Process. Process Intensif. 93 (2015) 1-9.• P.R. Gogate, A.L. Prajapat, Depolymerization using sonochemical reactors: A critical review, Ultrason. Sonochem. 27 (2015) 480-494.

	<ul style="list-style-type: none"> • A.L. Prajapat, P.R. Gogate, Intensification of degradation of guar gum: Comparison of approaches based on ozone, ultraviolet and ultrasonic irradiations, Chem. Eng. Process. Process Intensif. 98 (2015) 165–173. • A.L. Prajapat, P.B. Subhedar, P.R. Gogate, Ultrasound assisted enzymatic depolymerization of aqueous guar gum solution, Ultrason. Sonochem. 29 (2016) 84–92. • A. L. Prajapat, P. Das, P. R. Gogate, A novel approach for intensification of enzymatic depolymerization of carboxymethyl cellulose using ultrasonic and ultraviolet irradiations, Chem. Eng. J. 290 (2016) 391–399. • A. L. Prajapat, P. R. Gogate, Intensified depolymerization of aqueous polyacrylamide solution using combined processes based on hydrodynamic cavitation, ozone, ultraviolet light and hydrogen peroxide, Ultrason. Sonochem. 31 (2016) 371–382. • A. L. Prajapat, P. R. Gogate, Intensification of depolymerization of polyacrylic acid solution using different approaches based on ultrasound and solar irradiation with intensification studies, Ultrason. Sonochem. 32 (2016) 290–299.
Seminar/ Conference	<ul style="list-style-type: none"> • Participated in workshop on “Catschol-2016” conducted by Dept. of Chemistry held at ICT in Feb. 2016 • Worked as a volunteer in Chemcon 2013, ICT, Mumbai

	<ul style="list-style-type: none">• Participated in workshop on <i>“Laboratory Safety”</i> conducted by Dept. of Chemistry held at ICT in Feb. 2013• Participated in Training on “Internal Audit as per ISO/IEC 17025: 2005” conducted by MSME, Mumbai• Participated in Training on “Internal Quality Audit as per ISO 9001:2008” conducted by NIBUS, Mumbai• Participated in Training on “Theory and practices of advance techniques for the Characterization of Nanomaterials ”• Participated in “First Aid Training”, FATI, Thane
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