

Name of Teaching Staff : **Dr. Yogesh S. Parab**

Designation : Assistant Professor

Department : Applied Chemistry

Date of Joining the Institution : 05.07.2013



Qualifications with Class / Grade : **1. Ph.D. (Science)** from Institute of Chemical Technology ICT (formerly UDCT), Matunga, Mumbai, India, 2008-2012.
Thesis Title: Chemical recycling of polymeric waste materials
2. M.Sc. (Physical Chemistry) from K. J. Somaiya College, Vidyavihar, University of Mumbai, with 1st class (66.80%), 2006-2008.
3. B.Sc. (Chemistry) from University of Mumbai, India with 1st class (81.87%), 2003-2006.

Total Experience in Years : **Teaching: 01 Year**
1. Visiting Faculty at M H Saboo Siddik College of Engineering, Byculla, Mumbai from August 2012- April-2013.

Research: 04 years

Research Fellow at Department of Fibres and Textile Processing Technology, Institute of Chemical Technology ICT (Formerly UDCT), Matunga, Mumbai, Worked in the field of '**Chemical Recycling of Polymeric Waste Materials**'.

Papers Published

National:

International:

1. Aminolytic Depolymerization of Poly (Ethylene Terephthalate) Bottle Waste by Conventional and Microwave Irradiation Heating.
Yogesh S. Parab, S. R. Shukla. *Journal of Applied Polymer Science* 2012, 125, 1103–1107.
2. Microwave Irradiated Synthesis of 1, 4-Phenylene Bis- Oxazoline from BHETA: Heterogeneous Catalyzed, Aminolytic Depolymerization of Poly (Ethylene Terephthalate) (PET) Bottle Waste
Yogesh S. Parab, S. R. Shukla. *Current Chemistry Letters* 2012, 1, 81–90

- Microwave synthesis and antibacterial activity of 1, 4- Bis (5- aryl- 1, 3, 4- oxadiazole- 2- yl) benzene derivatives from terephthalic dihydrazide, aminolyzed product from PET bottle waste

Yogesh S. Parab, S. R. Shukla. *Waste and Biomass Valorization* 2013, 4, 23-27

- Intrinsic catalytic activity of Bronsted Acid Ionic Liquids for Synthesis of Triphenyl Methane and Phthalein under Microwave
N. Sekar^{a*}, Amol Choudhary^a, **Yogesh S. Parab^b**, Vikas S. Patil^a and S. R. Shukla^{b*}. *RSC Advances* 2012, 2, 12112-12117.

- Novel synthesis, characterization of N¹, N¹, N⁴, N⁴-tetrakis (2- hydroxyethyl) terephthalamide (THETA) and terephthalic acid (TPA) by depolymerization of PET bottle waste using Diethanolamine
Yogesh S. Parab, S. R. Shukla. *Journal of Macromolecular*

- Novel Synthesis, characterization and application of Dibutyrate bis (2-hydroxyethyl) terephthalamide as a plasticizer in PVC compounding

Yogesh S. Parab¹, P. A. Wasekar², S. T. Mhaske², S. R. Shukla^{1*} *Polymer Bulletin* (Manuscript submitted, under review)

- Novel Synthesis, characterization and application of Dibutyrate bis (2-hydroxyethyl) terephthalamide as a plasticizer in PVC compounding

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Papers Presented in Conferences	<u>National:</u>	--
	<u>International:</u>	02
PhD Guide ? Give field & University	: <u>Field:</u>	--
	<u>University:</u>	--
PhDs / Projects Guided	: <u>PhDs:</u>	--
	<u>Projects at Masters level:</u>	--

Books Published / IPRs / Patents

01-Indian Patent filed,

Novel synthesis of N¹, N¹, N⁴, N⁴-tetrakis (2-hydroxyethyl) terephthalamide (THETA) and terephthalic acid (TPA).”

Yogesh S. Parab, S. R. Shukla. Application no. 3494/MUM/2012.

Professional Memberships : 1. Society of Dyers and colorist (SDC, 2009-2010)
2. Asian Polymer Association (APA, 2010-2013

Consultancy Activities : --

Awards : Awarded Junior Research Fellowship (**JRF, 2008-2010**) by UGC- SAP, New Delhi, India.
Awarded Senior Research Fellowship (**SRF, 2010- 2012**) by UGC- SAP, New Delhi, India.
First Prize in Poster presentation in Second International Conference on Recycling of Plastics (ICRM- 2011) held at Kottayam, Kerala, India

Grants fetched : --

Interaction with Professional Institutions : --