



Bhaskaracharya College of Applied Sciences (University of Delhi)

Sector II, Phase I, Dwarka, New Delhi – 110075

FACULTY PROFILE

Title	Dr.	First Name	Krishna	Last Name	Dutt	Photograph
Designation		Assistant Professor				
Department		Polymer Science				
Address (Campus)		Bhaskaracharya College of Applied Sciences (University of Delhi) Sector 2 Phase-I, Dwarka New Delhi-110075				
Contact Details		Mob. +91 9891401243, 8368128156 Email. krishna.dutt@gmail.com				
Fax (Campus)						
Email Id		krishna.dutt@gmail.com				
Educational Qualification		Subject	Institution			
Ph.D.		Polymer Science	Ch. Charan Singh University, Meerut			
M.Sc.		Chemistry with specialization in Polymer Science and Chemical Technology	Ch. Charan Singh University, Meerut			
Research Interests/ Specialization						
Polymer Recycling, Thermoplastic elastomers (TPVs), Biodegradable polymers, Polymeric Nanocomposites						
Teaching Interest						

Introduction to Polymer Science, Polymer Technology, Polymer Processing, Polymer Testing, Paints and Coating Technology, Tyre Technology			
Achievements/Patents			
Dr. D. S. Kothari Post-doctoral fellowship award Life member of Indian Science congress Associations Worked different college commutes as convener or members such as Anti-Tobacco cell, NSS, Eco- Club, Astronomy Club, etc.			
Publications			
Year of Publication	Title	Journal	Co-author/s
2020	The optimization of detrimental effects of air pollution on Buildings	Res J. Chem. Environ. Sci.	Rukmani Sharma, Krishna Dutt Chauhan, Anjana Sarkar,
2017	Eco-Friendly Synthesis of PET based Polymeric Plasticizer and its Application in Nitrile-PVC Rubber Blends,	Indian Chemical Engineers,	Krishna Dutt, Sidharth Sirohi, Saiyam Dobhal, Manav Doshi, Ratyakshi Nain, Balaram Pani,
2017	Synthesis and Characterization of Multifunctional Zn/Polyester green composite film	Journal of polymer research	Krishna Dutt, Ratyakshi Nain, Sidharth Sirohi, Balaram Pani,
2017	Facile Preparation of Biodegradable and Printable Polyester Films,	Chemistry Select,	Krishna Dutt, Nishant Jain, Ravinder Singh, Gulshan Kumar Balaram Pani, Ratyakshi Nain, Pradeep Kumar Muwal, and Sidharth Sirohi
2014	Synthesis and characterization of bis-amino ethyl terephthalamide from PET waste and its applications as hardener in DGEBA,	International Journal of Plastic Tech,	Krishna Dutt and R.K. Soni,
2014	Antifungal studies of terephthalic dihydrazide (TPD) generated from PET waste,	International Journal of Applied Science, Volume	Krishna Dutt , Anjali Verma, R. K. Soni,
2013	Improve the biodegradation of hazardous PET waste by blending with lactic acid based terpolymer	International Journal of Advanced Engineering Applications	Krishna Dutt and R. K. Soni,
2013	Degradation (SEM) study of hazardous PET waste flakes during aminolysis with hydrazine monohydrate	International Journal of Advanced Engineering Applications	Krishna Dutt and R. K. Soni, Mannu Chauhan, Ariun Chauhan,
2013	Kinetic Studies on Cure Kinetics of DGEBA (Diglycidyl Ether of Bisphenol-A) with Terephthalamide Hardening	Journal of Research Updates in Polymer Science	Krishna Dutt, R.K. Soni, Meenu Teotia, S.P. Sharma and Harjeet Singh,

	System generated from PET waste		
2013	A Review on synthesis of value added products from polyethylene terephthalate (PET) waste,	Polymer Science, Ser. B,	Krishna Dutt and R. K. Soni,
2013	Synthesis and characterization of polymeric plasticizer from PET waste and its applications in nitrile rubber and nitrile-PVC blend,	Iranian Polymer Journal,	Krishna Dutt and R. K. Soni,
2012	Studies on thermal stability and crystallization behavior of ter-blends of isotactic polypropylene / EPDM /NBR rubber	International Journal of Polymeric Materials	Krishna Dutt Chauhan, R.K. Soni, Harjeet Singh,
2011	Rubber toughening of polypropylene thermoplastic vulcanizate (TPV)-a review,	International Journal of current chemistry	R.K. Soni, Harjeet Singh, Krishna Dutt
2010	Effect of dynamic cross-linking on mixing torque behavior and tensile yield behavior of isotactic polypropylene (iPP) / ethylene-propylene diene rubber (EPDM) /nitrile rubber (NBR) elastomeric blends, ,	Journal of polymer research	R.K. Soni, Harjeet Singh, Krishna Dutt, Pryanka Arora
2010	Studies on Synthesis and characterization of a novel acrylic amide oligomer of aminolysed end products generated from PET waste with hydrazine mono hydrate and its photo curing with acrylate monomers,	Journal of applied polymer science	R.K. Soni, Meenu Teotia, Krishna Dutt
2010	Scanning electron microscopic studies of polyethylene terephthalate (PET) waste flakes during aminolysis and ammonolysis	Journal of Hazardous Material	Alock Mittal, R.K. Soni, S. Singh, Krishna Dutt
2009	A Novel Route of Synthesis & Characterization of Terephthalic Dihydrazide (TPD) From Poly Ethylene Terephthalate Waste And It's Application In PVC Compounding As Plasticizer	Journal of Applied Polymer. Science	R.K. Soni, Krishna Dutt, S. Soam, A. Jain, S. Singh
2009	Studies on Synthesis and Characterization of N-Alkyl Terephthalamide Using Different Amines from Polyethylene Terephthalate Waste	Journal of Applied Polymer Science	R.K. Soni, S. Singh, Krishna Dutt

2009	Studies on the Biodegradation of lactic acid terephthalic acid & ethylene glycol terpolymer	Polymer degradation and stability	R.K. Soni, S. Soam, Krishna Dutt
Conference Publications			
Title of the Lecture	Title of Conference Seminar/ Workshop	Organised by	International/ National/State/ University
Comparison of technology available for pet waste recycling	International conference "poly2008"	IIT Delhi in 2008	International
Studies on the curing kinetics of bis-amino ethyl terephthalamide generated from polyethylene terephthalate waste with DGEBA	"Recycling and reuse of material"	Kottayam, Kerla in 2009	International
Novel Studies on Synthesis, Characterization and Application of Polymeric Plasticizer in PVC and Nitrile rubber from PET Waste by using Zinc Chloride as Catalyst	"GTGE 2010"	Ch. Charan Singh University Meerut in 2010	International
Biodegradable Packaging, Future Aspect	6 th International Conference on Ecotoxicology & Environmental Sciences (ICEES-2018)	organized by Institute of Ecotoxicology & Environmental Sciences Held on Feb. 19-21, 2018	International
Studies on spectroscopic identification of 1, 4-benzene dicarboxamide and its curing kinetics with Di glycidyl ether of Bisphenone-A (DGEBA)	"Greener aspect of electro chemistry"	Jiwaji University in 2007	National
Synthesis and characterizations of aminolysed end product of PET waste with the help of methanol	Recent Advancements in chemistry (RAC-2012)	Department of Chemistry, Ch. Charan Singh University, Meerut UP India on September 29-30, 2012	National
Synthesis and characterization of polymeric plasticizer for nitrile rubber and nitrile-PVC blend from PET waste	ISCA Haridwar chapter National conference on 'Inovations in science and technology for inclusive development	Organized 22 -23 march 2014 by Department of Chemistry, Ch. Charan singh Universty , meerut.	National
Synthesis and characterization of	Science and	ISCA Haridwar	National

glycolysed end product of PET waste and its applications in nitrile rubber	Technology for Human Development	chapter and Department of Ancient Indian Histry GKV Haridwar bheld on March 20-21, 2015	
<i>Synthesis of Well Dispersed ZnO Nanoparticles for Nanofinishing Textiles and Biomedical Applications in International Conference on Nanostructured Polymeric Materials and Polymer Nanocomposites</i>	9 Th National Conference on Solid State Chemistry and Allied Areas	Organized by Bhaskaracharya College of applied Sciences (University of Delhi) held on May 8-10, 2015	National
Synthesis of printing application of Biodegradable film	“Vth National Symposium on advances in Chemical Sciences	Organized Department of Chemistry GND University, Amritsar Held on February 2-3, 2016	National
Studies on synthesis and biodegradability of ter-polymer of lactic acid, Malic anhydride and polyethylene glycol	National Conference on Science & Technology for National Development	Organized by Department of Chemistry, Gurukul Kangri Vishwavidyalay, Haridwar UK. Held on Nov. 20-22 2016	National
<i>Studies on biodegradability of thermosetting polyester films of Lactic acid Malic anhydride & Polyethylene glycol</i>	<i>one day seminar on Polymer modification, Processing and Characterization</i>	<i>Organised by Bhaskaracharya College of applied Sciences (University of Delhi) held on January 25, 2016</i>	University
Project (Minor/Major)			
<ol style="list-style-type: none"> 1. Screening and Enrichment of Polymer Degrading Micro-organisms and their Application in Environmental Engineering 2. Development of Novel Eco-Friendly Printable Packaging Films for Industrial Applications 			
Any other information			
Practical examiners in different universities such as CCSU, Meerut, UPTU, DSEU, D			