

Dr. Mohammed Ehtesham Ali Mohsin

Assistant Professor



Personal Data:

Nationality | Indian
Date of Hire | 07-04-2023
Date Rank Obtained |
Department | Chemical Engineering
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Education:

Academic Degree	Major	specialty	Place of Issue	Address	Date
Doctorate (PhD)	Chemical Engineering	Polymer Engineering	Malaysia	Johor Bahru, Malayisa	02/2020
Masters (M.Sc.)	Chemical Engineering	Polymer Engineering	Malaysia	Johor Bahru, Malayisa	04/2014
Bachelor (B.Sc.)	Chemical Engineering	Chemical Engineering	India	Hyderabad, India	06/2007

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions):

PhD	In situ polymerization of polyaniline/sago/graphene nanocomposites films via ultrasonic irradiation
Master	Influence of montmorillonite as a secondary filler on the properties of carbon nanotube /highdensity polyethylene nanocomposite

Experiences:

Title of Job	Address of Work	Country	Date	
Research Collaborator (Postdoc fellow)	University Technology Malaysia.	Malaysia	From	Mar 2021
			To	Mar 2023
Researcher	SABIC Polymer Research Centre	Saudi Arabia.	From	Jan 2009
			To	Dec 2013
Engineer, Reverse Osmosis water treatment plant	BVRIT	India	From	Oct 2007
			To	Nov 2008

Research Interests:

1. Drug Delivery polymers
2. Polymer synthesis and processing
3. Conductive polymers
4. Nanomaterials and nanotechnology
5. Advanced materials

Publications:

#	Name of author(s)	Title of Publication	Publisher and Date of Publication	Link of Publication
1	Xuefeng Zheng, M. E Ali Mohsin, Agus Arsad, Azman Hassan.	Polymerization of polyaniline under various concentrations of ammonium peroxydisulfate and hydrochloric acid by ultrasonic irradiation	Journal of Applied Polymer Science, 2021	Click Here
2	Akhtar Jahan Siddiq, Nilesh Kumar Shrivastava, M. E. Ali Mohsin, Mustufa Haider Abidi, Mohamed Abdel Fattah Sharaf & Tauqeer Ahmed Shaikh	In-vitro Release and Degradation Study of Letrozole Loaded Poly (lactic-co-glycolic acid) Microparticles	JOM, 2021	Click Here
3	M. E. Ali Mohsin, Nilesh K Shrivastava, Agus Arsad, Norazah Basar, Azman Hassan	Effect of pH on the preparation of electrically conductive and physically stable PANI/Sago blend film via in situ polymerization	Front. Mater, 2020	Click Here
4	M. E. Ali Mohsin, Nilesh K Shrivastava, Agus Arsad, Norazah Basar, Azman Hassan	The effect of sonication time on the properties of electrically conductive PANI/Sago starch blend prepared by the one-pot synthesis method	Front. Mater, 2020	Click Here
5	Akhtar Jahan Siddiq, Nilesh Kumar Shrivastava, M. E. Ali Mohsin, Mustufa Haider Abidi, Tauqeer Ahmed Shaikh, Mohammed A. El-Meligy	Preparation of letrozole dispersed pHEMA/AAm-g-LDPE drug release system: In-vitro release kinetics for the treatment of endometriosis	Colloids and Surfaces B: Bio interfaces, 2019	Click Here
6	M. E. Ali Mohsin, A Arsad, A Hassan, N K Shrivastava and M A Ahmad Zaini	“Preparation and characterization of conductive Polyaniline/Sago/Graphene nanocomposites via ultrasonic irradiation	IOP Conference Series: Materials Science and Engineering, 2019	Click Here
7	M. E. Ali Mohsin, Agus Arsad, Azman Hassan, Nilesh K. Shrivastava, Mohammad Abbas Ahmad Zaini	Sonication Time a Salient Parameter in Shaping the Conductivity and Morphology of Polyaniline	. Chemical Engineering Transactions, 2018	Click Here

8	M. E. Ali Mohsin, Munirah Elias, Agus Arsad, Kok Chong Yong, Othman Alothman, Zaki Yamani Zakaria	Electrical Conductivity, Thermal, Rheological and Morphological Characteristics of Grafted Blend of Polypyrrole and Polypropylene	Chemical Engineering Transactions, 2017	Click Here
9	Mahir Es-Saheb, Sohail M. A. Khan, M. E. Ali Mohsin	"Fatigue Behaviour of AA 7075-T6 Plates Repaired at Different Crack Lengths	Chemical Engineering Transactions, 2017	Click Here
10	Mahir Es-Saheb, Sohail M. A. Khan, M. E. Ali Mohsin	"Fatigue Life Enhancement of Cracked Aerospace Grade Aluminium Repaired with Bonded Composite Patch: Experimental Study	Chemical Engineering Transactions, 2017	Click Here
11	NNB Mohammad, A Arsad, AR Rahmat, NSA Sani, M.E. Ali Mohsin	"Influence of compatibilizer on the structure properties of polylactic acid/natural rubber blends	Polymer Science Series A, 2016	Click Here
12	M. E. Ali Mohsin, Munira Elias, Agus Arsad, Azman Hassan, and Othman Y. Alothman	"Ultrasonic Irradiation: A Novel Approach for Conductive Polymer	Journal of Engineering and Applied Sciences, 2016	Click Here
13	M. E. Ali Mohsin, Akos Noel Ibrahim, Agus Arsad, Mohd Faizal Abd Rahman, Othman Y. Alothman.	"Effect of polypropylene, ethylene vinyl acetate and polyamide-6 on properties of recycled polypropylene/empty fruit bunch composites	Fibers and Polymers, 2015	Click Here
14	M. E. Ali Mohsin, Agus Arsad, Syed K. H. Gulrez, Zurina Muhamad, H. Fouad, and Othman Y. Alothman.	Enhanced Dispersion of Carbon Nanotubes in High Density Polyethylene Matrix Using Secondary Nanofiller and Compatibilizer	Fibers and Polymers, 2015	Click Here
15	M. P. Anesh, Syed K. H. Gulrez, A. Anis, H. Shaikh, M. E. Ali Mohsin, and S. M. Al-Zahrani.	Developments in Eu ²⁺ -Doped Strontium Aluminate and Polymer/Strontium Aluminate Composite	Advances in Polymer Technology, 2014	Click Here
16	Syed K.H. Gulrez, M. E. Ali Mohsin, Hamid Shaikh, Arfat Anis, Anesh Manjaly Pulose, Mukesh K. Yadav, Eng Hau P. Qua, and S.M. Al-Zahrani.	A Review on Electrically Conductive Polypropylene and Polyethylene	Polymer composites, 2014	Click Here
17	M. E. Ali Mohsin, Agus Arsad, and Othman Y. Alothman.	Enhanced Thermal, Mechanical and Morphological Properties of CNT/HDPE Nanocomposite using MMT as a Secondary Filler	International Scholarly and Scientific Research & Innovation, 2014	Click Here
18	Syed K. H. Gulrez, M. E. Ali Mohsin, and S. M. Al-Zahrani	Studies on crystallization kinetics, microstructure and	Journal of polymer Research, 2013	Click Here

		mechanical properties of different short carbon fiber reinforced polypropylene (SCF/PP) composites		
19	M. E Ali Mohsin, Ilias Ali, Rabeh H Elleithy and S. M. Al-Zahrani	Improvement in Barrier Properties of Poly (ethylene Terephthalate) Films using commercially available high barrier masterbatch additives via melt blend technique	Journal of Plastic Film and Sheeting, 2013	Click Here
20	Achmad Chafidz, Ilias Ali, M. E. Ali Mohsin, Rabeh Elleithy and Saeed Al-Zahrani	Nano indentation and dynamic mechanical properties of PP/clay nanocomposites	Journal of polymer Research, 2012	Click Here
21	Achmad Chafidz, Ilias Ali, M. E. Ali Mohsin, Rabeh Elleithy and Saeed Al-Zahrani	Atomic Force Microscopy, thermal, viscoelastic and mechanical properties of HDPE/CaCO ₃ nanocomposites	Journal of polymer Research, 2012	Click Here
22	M. E Ali Mohsin, Ilias Ali, Rabeh H Elleithy and S. M. Al-Zahrani.	Effect of Nano - SiO ₂ & ZnO on the crystallization behaviour of Polyethylene Terephthalate nanocomposite	Journal of Polymer Material, 2012	Click Here
23	Ilias Ali, Rabeh Elleithy, S. M. Al-Zahrani and M. E. Ali Mohsin.	Viscoelastic, Thermal, and Morphological Analysis of HDPE/EVA/CaCO ₃ Ternary Blends	Journal of Polymer Bulletin, 2011	Click Here
24	Ilias Ali, Rabeh Elleithy, S. M. Al-Zahrani and M. E. Ali Mohsin.	"Mechanical and Morphological Analysis of HDPE/ EVA / CaCO ₃ Ternary Blends	ANTEC - 2011	Click Here

Language Proficiency:

1. English
2. Hindi
3. Telugu
4. Urdu