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## EDUCATION

Ph.D. Polymer Engineering  
NED University of Engineering and Technology

M.E.M. (2014-2016): Engineering Management  
NED University of Engineering and Technology

B.E (2010-2013) Polymer and Petrochemical Engineering  
NED University of Engineering and Technology

## EMPLOYMENT RECORD:

Designation/Title	From	To	Organization
Lecturer	24-2-2016	continued	NED University of engineering and Technology. Pakistan
Lecturer	01-01-2015	15-2-2016	Technical Training Center
Internship	04-7-2012	31-7-2012	Lotte-PTA Pakistan

## RESEARCH SUPPORTING PROJECTS:

- Development of Poly (Lactic Acid) Bio Composite For 3D Printing with Improved Mechanical Properties
- Chitosen based film with lactic acid.
- Mechanical Analysis of Additively Manufactured Poly (Lactic Acid) in Fused Deposition Modelling
- Azeotropic distillation of Binary Components.

## PUBLICATIONS

- Analyzing the Impact of Process Parameters on the Compressive Strength of Polylactic Acid Parts Fabricated via Additive Manufacturing, **Israr, A.**, Awan, Z. H., & Mushtaq, A. (2026), Iranian Journal of Chemistry and Chemical Engineering (IJCCE), 45(1), 64–77. DOI: 10.30492/ijcce.2025.2060543.7109.
- Developing enhanced bitumen using low density Polyethylene and styrene butadiene styrene polymer by A. Mushtaq\*, N. Syed, **A. Israr**, Sci.Int.(Lahore),31(2),229-234,2019 ( ISSN 1013-5316;CODEN: SINTE 8).
- Comparative Study for Melt Flow Index of Different Microstructure Polyethylene by Raza Muhammad Khan, Asim Mushtaq, **Amina Israr**,Asra Nafees, Pak. J. Engg. Appl. Sci. Vol. 25 July 2019(p.18-25).
- Development of Enhanced Polymer -Fiber Reinforced Concrete by Asim Mushtaq, Asra Nafees, Raza Muhammad Khan, **Amina Israr** and Zaeem Uddin Ali ,Journal of engineering and applied science.

#### CONFERENCES/Workshop:

- Worked in the organizing committee in the International Conference of Advanced Material and Process Engineering (First & Second)
- Participated in 2nd International Conference of Advance Materials & Process Engineering.

#### TRAININGS

- Development & Implementation of Objective 2k22 (Health, Safety and Environment) (NED)
- Roles & responsibilities of Class Advisor (NED)
- Roles & responsibilities of an Invigilator & Examiner (NED)
- Completed 3 days Training on MATLAB (NED)
- Completed training on Faculty Development Program by QEC (NED)

#### RESEARCH SUPPORTING COURSES

- Certified course on Primavera P6
- Hand on experience on FTIR, DSC and Mechanical Testing.
- Course on N.M.R. and Mass Spectroscopy.

#### COMMUNITY SERVICE

- “Rehbar” in TCF Rehbar Program.
- “Career counselor” in TCF Rehbar Program.
- “Volunteer” at Make a Wish Foundation

