

**Asst. Prof. Dr. Amjed
Saleh Mahmood**

Accomplished and highly-organized leader, teacher, researcher and project manager with a Ph.D., in polymer matrix composite processing, in mechanical engineering from University of Plymouth, UK and over 16 years of professional experience teaching in different universities, consultant projects in industry, managing Engineering projects with different institutions.

Personal info:**Experiences**

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- Head of the Electromechanical Engineering Department, University of Samarra, 2018-till now.
- Researcher at Advanced Composites Manufacturing Centre at University of Plymouth, 2011-2016.
- The director of the Consultant Engineering Bureau at University of Samarra 2019-till now.
- Head of the examination committee at the Electromechanical Engineering Department, University of Samarra. 2018-till now.
- Member of the examination committee at the Mechanical Engineering Department, University of Tikrit. 2004-2007.
- Lecturer in the College of Engineering, 16 years, University of Tikrit and University of Samarra, Iraq, supervisor of some engineering projects.
- Chief of the Association of Iraqi students in Plymouth University, United Kingdom 2013.
- Board member of the Association of Iraqi students in Plymouth University, United Kingdom 2012.
- Board member of Sorouh foundation for sustainable development-Iraq, 2008- till now.

Skills	Qualifications
<ul style="list-style-type: none"> • Leadership • Research skills • Communication skills • Presentation skills • Project management • Social worker • Preparation meetings • Team worker • Microstructure image analysis • Academic & public speaker. • Reviewing journal articles and master theses. • Electronic teaching on google classromm, edmodo & Youtube. • Composite manufacturing Hand layup and vacuum bagging processes ...etc. 	<ul style="list-style-type: none"> • PhD in Mechanical Engineering- University of Plymouth, UK, 2016 • M.Sc. Degree in Mechanical Engineering (Applied Mechanic) University of Al-Nahrain, Iraq, 2003. 1st rank. • B.Sc. Degree in Mechanical Engineering, University of Tikrit, Iraq, 2000. 3rd rank.
Software	Publications
<ul style="list-style-type: none"> • Microsoft Excel • Microsoft Power Point • Microsoft Word • Microsoft Project <ul style="list-style-type: none"> • imageJ • ANSYS • Statistics software <ul style="list-style-type: none"> • edmodo • Google Classroom 	<ul style="list-style-type: none"> • Process-property-performance relationships in CFRP composites using fractal dimension. A Mahmood, M James, J Summerscales. IOP Publishing. • Using Fractal dimension to quantify the microstructure of fibre reinforced composites” International conference at KU Leuven-Belgium 18/09/2013-20/09/2013. • Processing performance relationships for fibre reinforced composites, PhD thesis. Plymouth University • Effect of graphite particles on physical and mechanical properties of nickel matrix composite. • Surface modification, including polymerization, nanocoating, and microencapsulation. Metal oxides powder technology in energy technologies. Influence of WS2 Nanoparticles Lubricants on Physical Characteristics of Wrought Aluminium Alloys. • Comparative Study on Mechanical Properties of Steel by Numerical Analysis and Experimental Tests. • Crimp Ratio Effect on Woven Fibre- Reinforced composites • Evaluation of mechanical properties of composite laminates by fractal dimension.

Languages	Conferences
<ul style="list-style-type: none"> • Arabic, English. 	<ul style="list-style-type: none"> • The international conference (CompositesWeek@Leuven and TexComp-11) in KU Leuven, Belgium, 19 September 2013 (Oral presentation). • Postgraduate Society Conference 17 June 2014 (Oral presentation) , Plymouth University, UK. • Postgraduate Society Conference 23 June 2015 (Oral presentation), Plymouth University, UK. • The Cumberland Lodge Conference, UK: 'Life Beyond the PhD' 15th - 18th August 2015. • Postgraduate Society Annual Conference 26 June 2012, Plymouth University, UK. • Postgraduate Society Conference 21 November 2012, Plymouth University, UK. • Postgraduate Society Conference 11th March 2013 (Oral presentation), Plymouth University, UK. • 2nd Annual Conference of the ACCIS Doctoral Training Centre at University of Bristol, UK. • 22th International Conference on Advanced Composites and Materials Technologies to be held in Sydney, Australia Jan 30-31, 2020. • The Ziggurat International Conference on Materials Science and Engineering (ZICMSE 2020), London, UK July 2021.
	Certifications
	<ul style="list-style-type: none"> • Certificate from the Higher Education Academy in United Kingdom for General Teaching Associates GTA. • Certificate from Tikrit University-Iraq for teaching methods. • Certificate from the Residential GRAD School for the course "building your reputation as a researcher". • Certificate from the United Nations – Office for the Coordination of Humanitarian Affairs (OCHA). • Certificate of mechanical tests from Instron Company.
	Awards and acknowledgments
	<ul style="list-style-type: none"> • First prize of the best oral presentation in the Postgraduate Society Conference of Plymouth University, United Kingdom (17 June 2014). • Second prize of the best oral presentation in the Postgraduate Society Conference of Plymouth University, United Kingdom (March 2013). • Third prize in Mechanical Engineering of the top Iraqi students for the whole country (1999-2000). • Many Appreciation Letters for working at MOHESR Iraq.