

Academic Curriculum Vitae



Personal Information:

Full Name: Mohammedtaher M. Saeed Mulapeer

Academic Title: Assistant Professor

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Mobile:07504512797



Education:

Bachelor of Science- BSc;

Mechanical Engineering Department - Salahaddin University Erbil 1999

Ranked No.1 among 40 students.

Master of Science MSc;

Mechanical Engineering Department - Salahaddin University Erbil 2002

Awarded Master of Science with honor in the field of material science and production engineering

Doctor of philosophy PhD;

Mechanical Engineering Department - Salahaddin University Erbil 2009

Awarded PhD degree in welding Metallurgy for working in the field of friction stir welding.

LANGUAGES:

- **Kurdish** - Native
- **Arabic** - Native
- **English** – V. Good

Employment:

- Recently promoted to Assistant Professor in the field of Material science and Production Engineering.
- Head of Mechanical Engineering Department since June 24, 2018.
- Teaching Staff representative at the college council 2012 – 2016.
- Lecturer at the college of engineering since 2009.
- Dean Deputy of the college of engineering 2005 – 2006.
- Assistant lecturer at the college of engineering 2002.
- Assistant Engineer at the college of engineering 1999.

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Skills

- Expert in Material Testing Technologies, Consultant in the field of Welding metallurgy, highly qualified in industrial managements, Consultant in the field of Polymeric materials, Budget Forecasting, Leadership capabilities, Time Management skills, AutoCAD, Matlab, DASYLab and LABView Programs.

Qualifications

- Certificate of participate and presenting a scientific paper at the international conference on modeling and simulation MS-2009 - held at Thiruvananthapuram India.
- Certificate of participate and presenting a scientific paper at the 1st international conference on engineering technology and applied science at the Afyon Kocatepe university - April 2016 Turkey
- DAAD Certificate of Training on DASYLab and LABView Programs for data acquisition at the mechanical engineering department - Salahaddin University during the period of Oct 30 - Nov 2, 2010
- DAAD Certificate for attending the international Symposium of " Resource Management in the Development of Kurdistan" during the period of Nov 29 - Dec 1, 2010 - Salahaddin University - Erbil.

Experiences

- **Consultant " Material Testing Expert"- active Member**

Engineering Consultancy Bureau ECB- College of Engineering –SUE since 2008

- **Technical Manager of Polymer Materials Testing Laboratory**

Department of Mechanical and Mechatronics Engineering Erbil September-2008 - March-2012

Prepared standard documents and codes related to polymer testing and supervised the purchase and installation of modern equipment related to polymer testing and also set and followed the standard procedures to ensure accurate and precise test results.

- **Material Testing Consultant**

Erbil central laboratory for construction materials-KRG Erbil May-2014 - February-2017

Constructing and design of training program for the engineers and technician working within the PE-department of Erbil central lab to ensure that they will conduct test and verify testing machines in accordance with standard requirements.

- **Technical Consultant at Directorate of Road Maintenance - Erbil**

Directorate of Road Maintenance-KRG – Erbil 2007 to 2010

Supervising and providing technical advice for the maintenance of fixed and portable weighing bridges as well as providing technical specification for the tendering process of new orders.

Teaching experience:

- Undergraduate studies: -

Over 18 years teaching experience of engineering metallurgy for 2nd grade students in mechanical Engineering Department.

- Composed and developed curriculum of material science for the 2nd grade students at the mechanical engineering department 2003 - currently.
- Developed curriculum and taught of Principles of Electrical Engineering for 1st grade student of Mechanical Engineering Department – Salahaddin University 2003 - 2006.
- Developed curriculum and taught of Fluid mechanics for 1st grade student of Akry Technical Institute 2003.
- Developed curriculum and taught of Engineering Metallurgy for 1st grade student of Agricultural Department-Koya University 2008.
- Established a modern laboratory for the subject of "**Instrumentation and Measurement**" for the grade 4 students.

- Higher Education studies: -

- Developed curriculum and taught Material Testing Technologies for Master students at the mechanical engineering department - Salahaddin University 2016.
- Supervised two master students in the field of Material science and production engineering during the year of 2016-2017 and 2019-2020.
- Developed curriculum and taught Standard Test Methods of Materials for Higher Diploma students at the mechanical and Mechatronics engineering department - Salahaddin University 2019.
- Joint supervisor of a PhD student with the NAU-Ukraine in the field of Space materials 2018.
- Joint supervisor of a PhD student in the field of Friction welding with Prof. Dr. Shawnim R. Jalal- Mechanical Engineering – SU-Erbil 2020 - 2023.
- Full Supervisor of PhD student in the field of wear of stainless steels at high temperatures 2019- 2022.

Research and publications

1. Mohammedtaher M Saeed (2004). 'Diffusion coatings on low carbon steel and its oxidation behavior inside IC engines emissions" , Zanko journal of pure and applied science, university of Salahaddin, Erbil, Vol. 16, No. 2, 2004.
2. Mohammedtaher M Saeed and Sirwan Khidir (2005). 'Changing the design of screen shaft with accessories of Via Nova asphalt plant" , Zanko journal of pure and applied science, university of Salahaddin, Erbil, Vol. 17, No. 2, 2005.
3. Mohammedtaher M Saeed,(2009) " The effect of process parameters on microstructural and mechanical properties of friction stir welded Al alloy 7020 at T6 and T9 tempers". Presented at MS09 India, international conference on modeling and simulation-2009.

4. Mohammedtaher M Saeed,(2009) “ Characterization of microstructure and mechanical properties of friction stir welded alloy 7075 at T6 and T9 tempers”. Presented at MS09 India, international conference on modeling and simulation-2009.
5. Mohammedtaher M Saeed,(2011) “effect of tool Geometry on Mechanical properties of Friction stir welded Al- ALLOY 2011-T6” accepted to be presented at the International Conference on Applied Mechanics and Mechanical Engineering Kuala Lumpur, Malaysia August 28-29, 2012.
6. Shawnim R Jalal, Mohammedtahir M Saeed, Gawhar I Khider (2104) "An Investigation of Mechanical Properties of Shielded Metal Arc Welding and Friction Stir Welding in 7020-T6 A1 Alloy", 13th European Conference on Spacecraft Structures, Materials & Environmental Testing -Vol. 727.
7. Soran Saleem, Mete Onur Kaman, Mohammedtaher Mulapeer (2016), " Compare the tensile test behavior between the unweld and welded HDPE100 RC. Presented in the 1st international conference on engineering technology and applied sciences, Afyon Kocatepe University, Turkey 21-22 April 2016.
8. Ahmed Samir Anwar & Mohammedtaher Mulapeer (2019), "A STUDY OF ESTIMATING THE AMOUNT OF CORROSION TO STEEL PLATES OF OIL STORAGE TANKS IN BAI-HASSAN OIL FIELD IN KIRKUK", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249–6890; ISSN (E): 2249–8001 Vol. 9, Issue 6, Dec 2019, 1–12.
9. Mohammadtaher Mulapeer & Hawzhen Abdulwahid (2020), "Semisolid casting of Al alloy 6063 using cooling slope technique" Accepted for publishing in Zanco journal of pure and applied sciences.
10. Mohammadtaher Mulapeer" Effect of thermal axial load on vibration of cracked nanomaterials beam using nonlocal elasticity theory under different boundary conditions "Accepted for publishing in Zanco journal of pure and applied sciences-2020.
- 11- Mohammedther Mulapeer & Dilshad Azad " Numerical and experimental study of mechanical properties and hydrostatic behavior of PVC-O material for drinking water pipes” Accepted for publishing in Zanco journal of pure and applied sciences-2020.
- 12 - Ahmed Samir, Shawnim R Jalal, Mohammedtaher Mulapeer” Dissimilar Joint Welding Through Friction Stir Techniques: Mechanical and Microstructural Properties of AA2198-T8 & AA2024-T3” October 2022 Advances in Materials Science and Engineering- By Hindawi
- 13 Dler Abdullah, Mohammedtaher Mulapeer “ Differentiation of specific wear rates of AISI 304 austenitic and AISI 2205 duplex stainless steels at room and high temperatures” November 2022 by Heliyon
- 14 Dler Abdullah, Mohammedtaher Mulapeer “Comparison of Specific Wear Rates of Austenitic and Super Austenitic Stainless Steels at High Temperatures” October 2022- ZANCO Journal of Pure and Applied Sciences
- 15 Ahmed Samir, Shawnim R Jalal, Mohammedtaher Mulapeer, “ Influence of Friction Stir Welding Process on the Mechanical Characteristics of the Hybrid Joints AA2198-T8 to AA2024-T3” October 2022 Advances in Materials Science and Engineering- By Hindawi

- 16 Dler Abdullah, Mohammedtaher Mulapeer” Modeling Wear Rate of Super Austenitic Stainless Steel S31254 at Elevated Temperature by Response Surface Methodology”, October 2021-Design Engineering (Toronto)
- 17 Dler Abdullah, Mohammedtaher Mulapeer” Experimental Investigation And Modeling Specific Wear Rate Of AISI 304 Using Response Surface Methodology” Webology- ISSN: 1735-188X , Year 2022
- 18 Ahmed Samir, Shawnim R Jalal, Mohammedtaher Mulapeer,” A Review Paper on Bobbin Tool Friction Stir Welding (BTFSW) and Metal Inert Gas Welding of Various Materials”, August 2021-Design Engineering (Toronto)
- 19 . Ahmed Samir, Shawnim R Jalal, Mohammedtaher Mulapeer,” Effect of Exfoliation Corrosion on the Efficient Hybrid Joint of AA2024-T3 and AA2198-T8 Formed by Friction Stir Welding”, January 2022-SSRN Electronic Journal.
- 20 Ahmad Aziz Ahmad, Mohammedtaher Mulapeer “Torsional vibration of a Rod Composed of Two Dissimilar Frictionally Welded Parts with and without Crack in a Thermal Environment”, Jordan Journal of Mechanical and Industrial Engineering Number 3, Volume 16, Number 3, June. 2022 ISSN 1995-6665 Pages 369 – 379.

Professional memberships

- Kurdistan Engineers Syndicate

Professional Social Network Accounts:

- 1- <https://www.researchgate.net/profile/Mohammedtaher-Mulapeer>
- 2- [\(37\) Dr. Muhammad Mulapeer | LinkedIn](#)