



**Nazzal Salem**

**Email:** nsalem@zu.edu.jo

Mechanical Engineering/Production

**Academic Rank: Assistant Professor**

**Membership:**

1	Member of Editorial and Scientific Board of The International Conference IMT Oradea ; <a href="https://imt.uoradea.ro/conference/download/Scientific.Committee.IMT.Oradea.2019.pdf">https://imt.uoradea.ro/conference/download/Scientific.Committee.IMT.Oradea.2019.pdf</a>
2	Member of Editorial Office of Journal of Mechanical Science and Technology ; <a href="https://www.editorialmanager.com/mest/default.aspx">https://www.editorialmanager.com/mest/default.aspx</a>

**Qualifications:**

PhD	Technical University of Cluj- Napoca, Romania. 1990. Grade: very good
MSc	Technical University of Cluj- Napoca, Romania. 1986. Grade: Excellent

**Professional Objective(s):** my professional objectives may be stated as follows:

- Secure a responsible career opportunity to fully utilise my training and skills, while making a significant contribution to the success of the University.
- To secure a challenging position in a reputable organisation to expand my knowledge and skills.
- Seeking a high-level professional environment.

**Teaching Experience:**

#	From	to	
1	Feb. 2012	Present:	Assistant professor, lecturing on: statics, dynamics, mechanics of materials, machines design 01 and 02 and fluid mechanics 01. Zarqa University.
2	Oct. 2003	Feb. 2012	Assistant professor, lecturing on: engineering mechanics 01 and 02, engineering mathematics 01 and 02 and production engineering. Omar Al-Mukhtar University, Libya.
3	Oct. 1992	Apr. 1999	Assistant professor, lecturing on: fluid mechanics 01 and 02, mechanics of materials, production engineering drawing. University of Science and Technology Houari Boumediene.



**Publications:**

#	Title	Publisher	Year/ Issue (Vol/No)
1.	Motion control of ultrasound probe based on master-slave robotic system for medical ultrasound applications.	International Journal of Advanced Science and Technology	2019/18 28/ISSN: 2005-4238 IJAST
2.	Increasing the performance of abrasive tools.	International Journal of Applied Engineering Research	2016/21 11/ISSN 0973-4562
3.	Machines Condition Monitoring and Oil Life Remaining Forecasting through Artificial Intelligence Technique- a Survey.	Design Engineering	2021/8 21/8

**Books:**

#	Book Title	Publisher	Year
1.	Parameterized Finite Element Analysis With Optimization Of A Superplastic Forming Process Using Ansys. Chapter 24 in DAAAM International Scientific Book.	DAAAM International	2017
2.	Experiments and Parameterized Finite Element Analysis of a Hemispherical Part Using Ansys. Chapter 23 in DAAAM International Scientific Book.	DAAAM International	2017

**Conferences:**

#	Paper Title	Organizing Institution	Conference
1.	The multi-objective genetic algorithm optimization, of a super-plastic forming process, using ANSYS.		MATEC Web Conference
2.	An approach of classification and parameters estimation, using neural network, for lubricant degradation diagnosis.		MATEC Web Conference
3.	The lubricants' parameters monitoring and data collecting.		MATEC Web Conference
4.	Study on the Effect of Vibratory Stress Relief On the Quality of Gravity Die Casting-theory and justifications.		The 5 <sup>th</sup> International Conference on Advanced Materials, Mechanics and Structural Engineering
5.	A neural networks approach of process fault diagnosis using time series collected data through oil condition monitoring.		Conference Series Materials Science and Engineering
6.	A brief assessment of outliers and malfunctions detecting techniques with an application on lubricant condition monitoring.		Conference Series Materials Science and Engineering
7.	Oil condition monitoring, an AI application study using the Classification Learner Technics.		Conference Series Materials Science and Engineering
8.	Oil condition monitoring and predicting actions using an Artificial Intelligence technique: Principal Components Analysis algorithm.		Conference Series Materials Science and Engineering
9.	A Connected Steady-State Thermal with a Structural Analysis using FEA in ANSYS.		Annals of the University of Oradea, Fascicle of Management and Technological Engineering,

**Personal Information**

Name	Salem	Nazzal Mohd Khader
Place and Date of Birth	Palestine	21/10/1959
Nationality	Jordanian	
Marital Status	Married	
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