

# CURRICULUM VITAE

## Abeidalla Faiq Hammad Al-Qawabeha

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### 1. Education

- Ph.D. Mechanical Engineering/ manufacturing, • Tashkent State Technical University, Republic of Uzbekistan, 1997.

### 2. Ph.D. Dissertation

*Development of wear resistance of bearing assemblies in tractors.*

### 3. Employment

- **Academic Positions**

2019 to present

Professor, Mechanical Engineering Department Al-Zaytoonah University of Jordan-Amman.

### 4. Research Interests

Surface Plastic Deformation, Metal forming , Micro-alloying of metals, Metallurgical Processing and Tribology .

### 5. Membership in Scientific Societies and Associations

. Member in the Organizing Committee for the first Jordanian International Mechanical Engineering Conference ( Tafila Technical University).

-Member in the Organizing Committee for the Jordanian International Mechanical Engineering Conference. (Jordan Engineers Association).

### 6. Teaching Experience

Statics ,Dynamic ,Theory of Machines ,Solid Mechanics ,Tribology .  
manufacturing Engineering, Metallurgical Processing and Treatment.  
Dies Design and Manufacturing, Material Science , CNC Machines.

### 7. Membership of Committees

- Member in the Jordan Engineers Association.

### 8. Grants

2020: ZUJ grant "The effect of silicon on the oxidation of aluminum Alloys". Grant: JOD 22,000.

### 9. Professional and Scientific Meetings

### 10. Participation in or organization of curricular and/or extra-curricular activities

### 11. Publications

#### PAPERS

1. Aiman Eid Al-Rawajfeh, Ubeidulla, Al-Qawabeha, Influence of Diamond Pressing Process on Corrosion Resistance in Steel, Materials Science and Engineering A, 456 (2007) 133-137.

2. Ubeidulla F. Al-Qawabeha, The Effect of Diamond Pressing and Roller Burnishing of Unheat Treated Carbon Steel Surfaces, International Journal Machining Science And Technology, Taylor & Francis Publisher, 11 (2007) 145–155.
3. Ubeidulla, Al-Qawabeha, Aiman Eid Al-Rawajfeh, Ehab Al-Shamaileh Influence of roller burnishing on surface properties and corrosion resistance in steel, Anti-Corrosion Methods and Materials 56/5 (2009) 261–265.
4. Tareq A. Abu Shreehah and Ubeidulla F. Al-Qawabeha "Diamond pressing versus shot peening" International Journal Microstructure and Materials Properties, Inderscience Publishers, UK, Vol. 5, No. 6, 2010, pp. 524-535.
5. S. M. A. Al-Qawabah, Nabeel Alshabatat, Ubeidulla Al-Qawabeha, "Effect of Annealing Temperature on the Microstructure, Microhardness, Mechanical Behavior and Impact Toughness of Low Carbon Steel Grade 45" International Journal of Engineering Research and Application (IJERA), India, Vol. 2, Issue 3, May-Jun 2012, pp. 1550-1553.
6. Ubeidullah F. Al-Qawabeha and S. M. A. Al-Qawabah, "Investigation on the Effect of Roller Burnishing on Pure Aluminum alloyed by Copper", Industrial Lubrication Tribology Journal, Emerald publication, Canada, Vol. 65, No. 2 (2013), pp. 71-77.
7. Aiman Eid Al-Rawajfeh, Ubeidulla, Al-Qawabeha, corrosion inhibition by surface treatment .A Green Approach, In: Reza Javaherdashti, Chikezie Nwaoha, Henry Tan, editors, New York: Taylor & Francis Group; 2013, pp. 171-184
8. Ubeidullah F. Al-Qawabeha "The Effect of Annealing Temperature and Roller Burnishing on the Microhardness and Surface Quality of AISI 3115 Alloy Steel", Research Journal of Applied Sciences Engineering and Technology, Maxwell publication, England, Vol. 13, No. 6, 2016.
9. Ubeidullah F. Al-Qawabeha, "Effect of Heat Treatment on the Mechanical Properties, Microhardness, and Impact Energy of H13 Alloy Steel" International Journal of Scientific and Engineering Research, IJSER publishing, USA, Vol. 8, Issue 2, 2017.
10. O.V. Sobol<sup>1,\*</sup>, A.A. Postelnyk<sup>1</sup>, R.P. Mygushchenko<sup>1</sup>, Ubeidulla F. Al-Qawabeha<sup>2</sup>, Taha A. Tabaza<sup>3</sup> Safwan M. Al-Qawabah<sup>3</sup>, V.F. Gorban, V.A. Stolbovoy<sup>5</sup>, 'Structure and Properties of Vacuum-arc Coatings of Chromium and Its Nitrides Obtained under the Action of Constant and Pulse High-voltage Bias Potential' journal of nano-and electronic physics Vol. 9, No. 6, 2017
11. Ubeidullah F. Al-Qawabeha, "Effect of Isothermal Annealing Temperatures and Roller Burnishing on the Microhardness and Surface Quality of H13 Alloy Steel" Journal of Applied Research on Industrial Engineering, Iran, Vol. 4, No. 3, 2017.
12. V. Subbotina, Ubeidulla Al-Qawabeha, V. Belozеров, O. Sobol, A. Subbotin, Taha A. Tabaza, Safwan M. Al-Qawabah "DETERMINATION OF INFLUENCE OF ELECTROLYTE COMPOSITION AND IMPURITIES ON THE CONTENT OF  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> PHASE IN MAO-COATINGS ON ALUMINUM", "Eastern-European Journal of Enterprise Technologies, Eastern-European Journal of Enterprise Technologies, Ukraine, Vol. 12, No. 6, 2019.
13. V.V. Subbotina, U.F. Al-Qawabeha, O.V. Sobol', V.V. Belozеров, V.V. Schneider, T.A. Tabaza, S.M. Al-Qawabah "Increase of the  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> phase content in MAO-coating by optimizing the composition of oxidated aluminum alloy" Journal "Functional Materials", Ukraine Vol. 26, No. 4, 2019
14. Safwan Al-Qawabah, Ahmad Mostafa, Aiman Al-Rawajfeh, Ubeidulla Al-Qawabeha "EFFECT OF HEAT TREATMENT ON GRAIN SIZE, MICROHARDNESS AND CORROSION BEHAVIOR OF COLD-WORKING TOOL STEELS AISI D2 AND AISI O1" MATERIALI IN TEHNOLOGIJE / MATERIALS AND TECHNOLOGY JOURNAL, Accepted, Jul. 2020
15. Ubeidullah F. Al-Qawabeha "Experimental investigation of the Hot Forward Extrusion Process on the Mechanical Behavior, Extrusion Energy, and Surface Quality of AlCu", Research Journal of Applied Sciences Engineering and Technology, Maxwell publication, England, Accepted, Sep. 2020.