

CURRICULUM VITAE

Safwan M. Al-Qawabah

*Mechanical Engineering Department
Al Zaytoonah University of Jordan, Amman, Jordan
Phone №: +962-3-2250326-105,120,
Postal Address: P.O. Box 13720, Amman 11942, Jordan,
Mobile Phone: 00962777499418*



E-mail: safwan1q@gmail.com, safwan.q@zuj.edu.jo

1. Education

- PhD. in Mechanical Engineering (Manufacturing), 2008, University of Jordan, (2008).
- MSc. in Industrial Engineering (Design and Manufacturing) 2001, University of Jordan.
- BSc. in Industrial Engineering, 1995, University of Jordan.

2. Employment

- **Academic Positions**
 - 2018-up now Dean Faculty of Engineering and Technology at Al-Zatoonah University Of Jordan
 - 2017-2018 Vice Dean Faculty of Engineering and Technology at Al-Zatoonah University Of Jordan
 - 2017- 2021: Associate Professor (A) at Al-Zaytoonah University of Jordan.
 - 2015-2016 Sabbatical Leave at Al-Zaytoonah University of Jordan
 - 2013-2017: Associate Professor at Tafila Technical University.

3. Research Interests

- CNC Machines (Lathe and Milling, Water jet, Plasma cutters, 3D Scanner, 3D Printers, and CNC Water Jet Machines).
- Design and manufacturing of Different Dies (Extrusion, Deep Drawing, ..).
- Oxidation of Non-Ferrous Alloys.
- Effect of Equal Angular Channel Extrusion on Non-Ferrous Alloy.
- Mechanical Characteristics of Shape Memory Alloys and its Applications.
- Machinability and Surface Quality of Metallic Alloys.
- Welding of Metallic Materials.
- NDT (Non-Destructive Testing).

4. Membership in Scientific Societies and Associations

- Member in Emerald Literati Network
- Member in ASME

5. Honors and Awards

- Best session presentation of the 8th international conference on engineering, project, and product management. (Sep. 2017).

6. Teaching Experience

• **Undergraduate Courses**

Static, Dynamic, Mechanical Design, Engineering Metrology, Vibration, Theory of Machines, Strength of Materials, Material Science, Metallurgy processes, Manufacturing processes, Finite Element, numerical analysis, CAD/CAM, Tribology.

7. Grants

- Al-Zaytoonah University of Jordan: No. 19/18/2018-2019, "Design and construction of micro-arc oxidation unit to enhance the surface microhardness of aluminum alloy grain refined by rare earth elements".
- Al-Zaytoonah University of Jordan: No. 16/12 2019-2020 "Effect of Si addition on the surface quality and microhardness of commercially pure aluminum before and after oxidation".

Membership of Committees

• **National and International**

- Jordanian Engineers Association (03/6668)
- Emerald Literati Network
- ASME

8. Professional and Scientific Meetings (last three years)

- ABET chair Committee-Faculty of Engineering and Technology at Al-Zaytoonah University Of Jordan (2017-up now)
- Jordanian quality assurance chair Committee-Faculty of Engineering and Technology at Al-Zaytoonah University of Jordan (2017-up now)
- Co-chair of EPPM International Conference on Engineering, Project and Product Management.http://www.ppml.url.tw/EPPM/association/officers_2018_2020.htm

9. Publications (selected from last three years)

- **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. Materials and Technology Journal, Vol. 54 (6), 2020. SCIE. Impact factor (0.88).
- V.V. Subottina, U. F. Al-qawabeha, O. V. Sobol, V. V. Belozarov, V.V. Schneider, Taha A. Tabaza, **S.M. Al-Qawabah**, Increase of the Al₂O₃ phase content in MAO-coating by optimizing the composition of oxidated aluminum alloy. Functional Material Journal, Vol. 26 (4); pp. 752-758, 2019, (ESCI).
- V. V. Belozarov, O. V. Sobol, A. I. Mahatilova, V. V. Subbotina, Taha A. Tabaza, Ubeidulla F. Al-Qawabeha, Safwan M. Al-Qawabah, Influence of The Conditions of Microplasma Processing of Aluminum Alloys in the Anodon Cathode Regime on Their Phase Composition", Eastern European Journal Enterprise Technologies, Vol. 5(12), 2017.