

CURRICULUM VITAE

Shahnaz M. Alkhalil



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1. Education

- M.Sc. (Industrial Engineering) 2011, Jordan University, Amman, Jordan
- B.Sc. (Industrial Engineering) 1997, Jordan University, Amman, Jordan

2. Ph.D. Dissertation

[Evaluation and Analysis of Lean-Based Manufacturing Equipment and Technology System for Jordanian Industries](#)

Jordan University, Amman, Jordan

3. Employment

• Academic Positions

- Lecturer at Mechanical Engineering – Al-Zaytoonah University of Jordan, Jordan, (9/2013– Now).
- Part-time lecturer -Mechanical Engineering Department, Faculty of Engineering and Technology, University of Jordan, Amman, Jordan (Till 2013).
- Part-time lecturer - School of Technological Sciences, Industrial Engineering Department, German-Jordanian University, Amman, Jordan, (2/ 2008 – 6/ 2008).
- Teaching Assistant in Industrial Engineering Department - Industrial Engineering Department, Faculty of Engineering and Technology, University of Jordan, Amman, Jordan, (2/2009 – 6/ 2011).

4. Research Interests

Numerical Analysis, Solar Energy, Haptic, Materials Science. Lean Manufacturing, Education Techniques.

5. Membership in Scientific Societies and Associations

- Certified ISO 26000- Guidance on Social Responsibility- Training Course, 2-5/9/2012.

6. Honors and Awards

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7. Fellowships and Scholarships

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9. Teaching Experience

- **Undergraduate Courses**

Manufacturing processes, Material science, Engineering Numerical Methods, Machine Drawing and Applications in Mechanical Design, Engineering Drawing.

10. Grants

- 2017: ZUJ grant. “Studying the Tactile Feedback on the Palm of the Hand”. Grant: JOD 7,000D. Grant number: 2016-2017\64\17

11. Membership of Committees

- **National and International**

- Jordanian Engineers Association since 2010

12. Professional and Scientific Meetings (last three years)

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13. Publications (selected from last three years)

- Manar B. AL-Hajji, Nabeel Abu Shaban, **Shahnaz AlKhalil**, Ayat Al-Jarrah, Using the Taguchi Method and Grey Relational Analysis to Optimize the Performance of a Solar Air Heater. Journal of the Association of Energy Engineers - Tech Science Press. Vol.118, No.5, 2021. pp.1425-1438.
- **Shahnaz Alkhalil**, Ahmad Manasrah, Mohammad Z. Masoud. Let's Learn with a Jigsaw! Implementing a Unique Collaborative Online Learning in an Engineering Course. 2021 International Conference on Information Technology, ICIT 2021 - Proceedings, 2021, pp. 396–399, 9491692.
- Esra'a A. Bashayreh, Ahmad Manasrah,, **Shahnaz Alkhalil**, Eman Abdelhafez. Estimation of water disinfection by using data mining. Inzynieria Ekologicznathis link is disabled, 2021, 22(1), pp. 109–116.
- **Shahnaz Alkhalil**, Ahmad Manasrah, Loai Dabbour, Esra'a A. Bashayreh, Eman Abdelhafez and Esraa Rababa. “COVID-19 Pandemic and The E-learning in Higher Institutions of Education: Faculty of Engineering and Technology at Al-Zaytoonah University of Jordan As a Case Study”, Journal of Human Behavior in the Social Environment, *Accepted for publications* 23, September,2020, decision on Manuscript ID WHUM-2020-0262.R1.
- Ahmad Manasrah, **Shahnaz Alkhalil**, Mohammad Z. Masoud. “Investigation of Multi-Way Forced Convective Cooling on the Backside of Solar Panels”, International Journal on Energy Conversion, Vol. 8, No. 5, October, 2020 pp. 181-189. Praise Worthy Prize.
- Ahmad Manasrah, **Shahnaz Alkhalil**. “A 2-DoF Skin Stretch Display on Palm: Effect of Stimulation Shape, Speed and Intensity”, International Conference on Human Haptic Sensing and Touch Enabled Computer Applications, September, 2020, pp. 12-24. Springer, Cham.