

Curriculum Vitae

Manar Bahjat AL-Hajji
Industrial Engineer



Personal Information

Name: Manar Bajhat Ali AL-Hajji.
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Nationality: Jordanian
Gender: Female
Material Status: Single

Education

- (2004-2009) B.Sc. degree in Civil engineering “water and Environmental Engineering, Jordan University of Science and Technology (JUST), August 2009, Irbid-Jordan.
- (2009-2013) MSc. degree in Industrial Engineering, Jordan University of Science and Technology (JUST), Irbid/ Jordan.

Previous Occupation

- Teacher assistant of several engineering courses at Industrial Engineering Department, Jordan University of Science and Technology. Oct. 2009 – June 2013.
- Part-time Lecturer at Industrial Engineering Department, Jordan University of Science and Technology. July 2013- September 2014.
- Full- time Lecturer at Mechanical Engineering Department, University of Jordan. September 2014 – September 2021.

Current Occupation

- Instructor at Mechanical Engineering Department, University of Jordan. September 2021 – Present.

Publication

- Tyfour W, Hayajneh M, Momani A, Al-Hajji M. Sliding wear mechanism of ductile materials – Effect of sliding direction reversal. Proc IMechE, Part J: Engineering Tribology 2017. DOI: [10.1177/1350650117713878](https://doi.org/10.1177/1350650117713878)
- AL-Hajji, M. B., Shaban, N. A., Khalil, S. A., Al-Jarrah, A. (2021). Using the Taguchi Method and Grey Relational Analysis to Optimize the Performance of a Solar Air Heater. Energy Engineering, 118(5), 1425–1438. DOI: [10.32604/EE.2021.016413](https://doi.org/10.32604/EE.2021.016413)
- Alhebsi, R., Wadi, R., Al- Hajji, M.B. and Sakhrieh, A., 2021. VIRTUAL LEADERSHIP AS A NEW INFLUENTIAL CONCEPT. Indian Journal of Economics and Business, 20(2). DOI: [10.5281/zenodo.5409956](https://doi.org/10.5281/zenodo.5409956)
- A. Al-Jarrah¹, F. W. AlMomani¹, R. A. Al-Jarrah², M. Ababneh¹, M. B. AL Hajji³, Two- Dimensional Movement Photovoltaic Cleaning Robot with Speed Control, IJETT Journal. (Accepted)

Conferences:

- The ninth Jordanian international mechanical engineering conference, 16-17 October 2018, Landmark hotel, Amman – Jordan.

Interests and Activities

- Material science and engineering research.
- Renewable energy and water resources researches.
- Quality function deployment (QFD) application in service industry particularly hospitality industry.
- Product design and development.
- Theory of inventive problem solving (TRIZ theory).
- Project management.

Additional Courses

- “Auto CAD 2D” in February 2008 from Jordan university of Science and Technology/The Consultative Centre for Science and technology.
- “The Creative Engineer”. From the Jordanian Engineers Association. In December 2007 about mental skills, communication skills, and how to deal with a team work.
- “Primavera Project Planner, P3 version. From the Jordanian Engineers Association, In August 2008, about project planning, tracking, Scheduling, organizing, resource and cost allocation and control.
- “Presentation Skills Workshop’ From Civil society development centers of Jordan University of Science and Technology.

Computer

- Solid knowledge in Windows and Microsoft applications, Engineering Software, Graphic and Multimedia Applications and Computer Hardware.

References

Available upon request.