

CURRICULUM VITAE

Mai Bani Younes

Mechanical Engineering Department

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1. Personal Data

Date of Birth: May 16, 1989

Nationality: Jordanian

2. Education

- M.Sc. in Mechanical Engineering/Renewable Energy, 2017, Jordan University of Science and Technology.
- B.Sc. in Mechanical Engineering/power,thermal and energy, 2012, Mutah University, Alkarak, Jordan

3. Employment

Academic Positions

- Lecturer, Mechanical Engineering, ZUJ, Amman, Jordan October 10, 2018 – present
- Lecturer of Solar Energy, Dep. Solar Power Engineering, Toledo College, Irbid-Jordan 2, 2017-6, 2018
- Research Assistant, Jordan University of Science and Technology; JUST, Irbid-Jordan. Solar Ejector Cooling System Project; Design & Modelling Using “TRNSYS” 1, 2014-12, 2016
- Teacher Assistant, Jordan University of Science and Technology; JUST, Irbid – Jordan 2, 2013- 6,2015



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Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

4. Research Interests

Energy, Renewable Energy, Thermal Systems, Mechanical Power System Analysis, Mechanical Machine, Power and Control Systems.

5. Membership in Scientific Societies and Associations

- Member in Association of Energy Engineer; AEE, Amman-Jordan.

6. Fellowships and Scholarships

- 2007: Full scholarship "His Majesty King Abdullah Bin Husain II", B.Sc., Mu'tah University, Al-Karak- Jordan
- 2013: Full scholarship from Jordan University of Science and Technology; JUST, M.Eng., Irbid- Jordan.

9. Teaching Experience

- *Undergraduate Courses*

AutoCAD; Manual Drawing; Statics; Applied Mathematic for Engineering; Thermodynamics, Solar Energy; HVAC, Fluid Mechanics, Measurements and PV systems.

10. Membership of Committees

- **National and International**
 - *Jordanian Engineers Association*

11. Professional and Scientific Meetings***Participation in Scientific meetings***

- "Zero Carbon Buildings: A Hospital Case Study in Jordan." 8th Jordanian International Mechanical engineering Conference, 2015, Amman-Jordan



12. Publications

Provide numbered lists of:

- Bourhan Tashtoush, **Mai Bani Younes** "Comparative Thermodynamic Study of Refrigerants to select the Best Environment friendly Refrigerant for use in a Solar Ejector Cooling System Arabian Journal for Science and Engineering, (2018). <https://doi.org/10.1007/s13369-018-3427-4>