

CURRICULUM VITAE

Ahmad Rateb Ahmad Al Aboushi, Ph.D in Mechanical engineering,

Assistant Professor

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ACADEMIC QUALIFICATIONS :

Ph. D. in Mechanical Engineering, 1991

University Name: Institutul Politehnic Gheorghe Asachi, Iasi,Romania

M. Sc. in Mechanical Engineering, 1987

University Name: Institutul Politehnic Gheorghe Asachi, Iasi,Romania

PROFESSIONAL EXPERIENCE :

- **Member of the Executive Committee of the Arab Council for Training Arab University Students, (2017-present)**
- **Director of the Arab Council for the training of students of Arab universities , Al-Zaytoonah University of Jordan)2013-present)**
- **Coordinator of world university ranking (GREEN METRIC), at Al-Zaytoonah University in Jordan (2016-present)**
- **Consultant in the National Qualifications Framework, (2016-present)**
- **Representative of Alzaytoonah university of jordan in the steering committee (JO-GREEN) competition ,in jordanian Hashemite Fund for Human Development (2016-present)**
- **Coordinator of the solar energy project ,at Al-Zaytoonah University in Jordan (2013-present)**
- **Chairman Department of Mechanical Engineering, Al-Zaytoonah University of Jordan, Jordan, (10/2012 – 2014)**
- **Assistant Professor of Mechanical Engineering, Al-Zaytoonah University of Jordan, Jordan, (9/2011 – present)**
- **General Director – Al Aboushi Housing company, (2005-2009)**
- **General Director – IRIS Servimpex SRL,Bucharest-Romania, (1992 – 2009)**
- **Research Assistant– Inst. Politehnic Gheorghe Asachi, Iasi,Romania(1988-**



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1990)

RESEARCH INTERESTS :

- *Heating and airconditioning systems*
- *Renewable Energy*
- *Green Building*
- *Energy Management*
- *Sustainability*

Institutional and Professional Services in the last five years :o **Courses Taught**

- *Engineering Workshops*
- *Principles of Energy sciences*
- *Traditional energy sources*
- *Mechanical Vibration Laboratory*
- *Thermodynamics Laboratory*

Professional Development Activities in the last six years :

- **Winning the Emirates Energy Award EEA-2017** , Organized by the Supreme Council of Energy, Government of Dubai, as the supervisor of the winning research, United Arab Emirates.
- **Representative of Al-Zaytoonah University at The Higher Council for Science and Technology, (Prince El Hassan bin Talal Award for Scientific Excellence)**, 2017.
- **Organizing Committee, 8th International Conference on Engineering, Project, and Production Management (EPPM2017)** at Al-Zaytoonah University of Jordan during the period 20 - 22 Sep 2017.
- **Arab-German Young Academy of Sciences and Humanities (AGYA)**, attending the workshop and training as Keynote speaker in Fayoum university-Egypt 2/2017.
- **Representative of Al Zaytoonah University in the 23rd Forum for the exchange of training offers for students of Arab universities, Al Ain University for Science and Technology - United Arab Emirates,19-21/03/2017.**
- **Representative of Zaytoonah University at the 18th Creative Forum (Youth Processes and Solutions for Contemporary Challenges and the Crisis of Sub-Identities)**, South Valley University, Egypt 5-9/11/2016.



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- **Organizing Committee**, *the third international conference on environmental design and innovation, at Al Zaytoonah University, (ZEC 2016).*
- **Representative of Al-Zaytoonah University in the twenty-second forum for the exchange of offers of training for students of Arab universities, Fayoum University-Egypt, 9-11/05/2016.**
- **Representative of Al Zaytoonah University in the 17th Creative Forum (Student Creativity and its Role in Community Development), University of Nizwa, Sultanate of Oman 6-10/12/2015.**
- **Representative of Al-Zaytoonah University in the Twenty-first Forum for the exchange of offers of training for students of Arab universities University of Science and Technology, Irbid – Jordan 28-30/04/2015.**
- **Organizing Committee**, *Zaytoonah University International Engineering Conference on Design and Innovation in Sustainability 2014 (ZEC Sustainability 2014), 2014.*
- **Representative of Al Zaytoonah University in the twentieth forum to exchange offers for training students of Arab universities Salahuddin University, Erbil-Kurdistan Iraq 6-8/05/2014.**
- **Organizing Committee** , *the sixth Conference on Scientific Research in Jordan, Al-Zaytoonah University of Jordan, 2013.*
- **Participating in BD+C251: Understanding Building Design + Construction LEED Rating System, Jordan Engineers Association (JEA) and USGBC, 2013.**
- **Participating in BD+C301: Implementing the building Design + Construction LEED Rating System, Jordan Engineers Association (JEA) and USGBC, 2013.**
- **Participating in 201 LED-Core concepts and strategies, Jordan Engineers Association (JEA) and USGBC, 2013.**
- **Organizing Committee**, *Zaytoonah University International Engineering Conference on Design and Innovation in Infrastructure 2012 (ZEC infrastructure 2012), 2012.*
- **Participating in “Project Management Training & Certification Program (PMP)” workshop that was hold by Engineers Training Center / Jordan Engineers Association (JEA).2012.**

Journal Publications :

1. **Ahmad Aboushi**, Abeer Abu Raed," *Heating Indoor Swimming Pool Using Solar Energy with Evacuated Collectors*", 2015 International Conference on Advances in Environment Research, Volume 87 of IPCBEE (2015), DOI: 10.7763/IPCBEE. 2015. V87. 17".
2. E. A. Abdelhafez, M. A. Hamdan, M. Abu mallouh, L. M. Badri **A. Aboushi**, "The Effect of Insulation layer to prevent water vapor condensation along the inside surface of a building wall using Neural Network" *Journal of*



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- Infrastructure Systems, 10.1061/(ASCE)IS.1943-555X.0000207, A4014005, 2014.*
3. Layth Mohsin, Ahmad Sakhrieh, **Ahmad Aboushi**, Amer Hamdan, Eman Abdelhafez, Mohammed Hamdan, “*Optimized Cleaning and Cooling for Photovoltaic Modules Based on the Output Performance*”, *Accepted for publication in Thermal Science Journal, 2016.*
 4. Mohammad Hamdan, Mohammad Shehadeh, **Ahmad Al Aboushi**, Amer Hamdan and Eman Abdelhafez, “*Photovoltaic Cooling Using Phase Change Material*”, *Submitted for publication (2015).*
 5. **Ahmad Al aboushi**, “*Solar Thermal Hybrid Heating System*”, *Jordan Journal of Mechanical and Industrial Engineering (JJMIE), 2017 .*
 6. **Ahmad Al Aboushi**, Nabeel Abu Shaban" *Building, Design ,Modeling and Simulation of Student Environmental Center Using Hybrid Photovoltaic-Wind Power Generation system at Al-Zaytoonah University Campus "* *Submitted for publication, 2017.*
 7. **Ahmad Al Aboushi**, Eman A. Abdelhafez, "Water Disinfection Using Solar Energy " *Submitted for publication, 2017.*
 8. Safwan M. Al-Qawabah, Nabeel Abu Shaban, **Ahmad Aboushi**, *Lecture Notes in Mechanical Engineering, Investigation of burnishing process on the Mechanical Characteristics, Microstructure, and Microhardness of Al-4% wt.Cu Under Hot Conditions, Springer(2017).*

Conference Publications :

1. Eman A. Abdelhafez, Mohammad A. Hamdan, **Ahmad R. Al Aboushi** “*Simulation of Solar Thermal Hybrid Heating System Using Neural Artificial Network*”, *8th International Eg Energy Symposium and Exhibition, Afyonkarahisar, Turkey, May 11-13, 2016.*
2. **Ahmad Al aboushi**, Ahmad Sakhrieh and Abeer Abu Raed, “*Energy Saving Potential for Heating Family House Swimming Pool*”, *International conference on Renewable Energy and its Future in the Arab world 2013 (ICREFAW conference 2013), April 22-24, 2013 Amman, Jordan*
3. M.Hamdan,**Ahmad Al aboushi**,Abeer Abu Raed,Rana naser,*Poster session , ”, International conference on Renewable Energy and its Future in the Arab world 2013 (ICREFAW conference 2013), April 22-24, 2013 Amman, Jordan.*