



Name: Ahmad Saleh Abuhussein

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Engineering Technology/Mechanical Engineering

Academic Rank: Associate Professor

Membership:

1	JEA (Jordanian Engineers Association)
2	ASME (The American Society of Mechanical Engineers)
3	GNREADER (Global Network for Renewable Energy Approaches in Desert Regions) (no longer exists)

Qualifications:

1	PhD in Mechanical Engineering / Energy, 1997, Polytechnic Institute of Milan, Italy
2	BSc in Mechanical Engineering, 1986, University of Genoa, Italy

Professional Objectives:

- To enhance my research, educational and professional skills in a stable and dynamic workplace.
- To solve problems creatively and effectively in a challenging position.
- To be a highly motivated and trustworthy professor to promote my university ranking and education regime.

Teaching Experience:

#	From	to	
1	Sep 2018	Now	Faculty member at Zarqa University



2	Aug 2012	Aug 2018	Faculty member at Jouf University / KSA
3	Sep 2011	Aug 2012	Faculty member at Salman Bin Abdulaziz University / KSA
4	Oct 2000	Aug 2011	Faculty member at Philadelphia University

Administrative Experience:

#	From	to	
1	July 2019	Aug 2020	Dean of the Faculty of Engineering Technology at Zarqa University
2	Sep 2018	Aug 2019	Head of Mechanical Engineering Department at Zarqa University
3	Sep 2011	Aug 2012	Supervisor of the Mechanical Engineering Department at Salman Bin Abdulaziz University
4	Sep 2001	Aug 2002	Head of Mechanical and Mechatronics Engineering Departments at Philadelphia University
5	Sep 2005	Aug 2007	Head of Mechanical Engineering Department at Philadelphia University
6	Sep 2008	Aug 2010	Head of Mechatronics Engineering Department at Philadelphia University
7	Sep 2010	Aug 2011	Head of Mechanical Engineering Department at Philadelphia University
8	Aug 1999	Nov 1999	Dean of Wadi El-Sair College (UNRWA)

Publications:

#	Title	Journal, Publisher	Year/ Vol(Issue)
1.	An Experimental Study of a Novel System Used for Cooling the Protection Helmet	Energies, MDPI	2023/16(10)



2.	Modeling and Performance Analysis of a Solar Pond Integrated with an Absorption Cooling System	Energies, MDPI	2022/15(22)
3.	Experimental performance evaluation of water source heat pumps in different circumstances and comparison to air source heat pumps	Journal of thermal engineering, YILDIZ TECHNICAL UNIVERSITY	Accepted on 08/01/2022
4.	A novel vacuum wastewater treatment plant integrated with a solar absorption system	Int J Energy Res., WILEY-HINDAWI	2019/44, 1685–1697
5.	Advanced Electric Discharge Machining of Stainless Steels: Assessment of the State of the Art, Gaps and Future Prospect	Materials, MDPI	2019/12(6)
6.	Experimental Study of the Performance of a Box Solar Cooker	International Journal of Scientific & Engineering Research	2018/9(4)
7.	Variations of Air and Water Temperatures Across and Along the Pads of Direct Evaporative Coolers and Their Effect on the Performance	International Journal of Thermal Engineering, Seventh Sense Research Group® (SSRG)	2016/2(3)
8.	Analysis of control strategies and Simulation of heating Systems using Simulink/Matlab Potential	Journal of thermal engineering, YILDIZ TECHNICAL UNIVERSITY	2016/2(5), 921-927
9.	Optimization study of a single-effect water–lithium bromide absorption refrigeration system	Energy Conversion and Management, PERGAMON-	2014/87, 29-36



	powered by flat-plate collector in hot regions	ELSEVIER SCIENCE LTD	
10.	Performance investigation of a salt gradient solar pond coupled with desalination facility near the Dead Sea	Energy, PERGAMON-ELSEVIER SCIENCE	2011/36(2), 922-931
11.	Modeling and Experimental Studies on a Domestic Solar Dryer	Renewable Energy, PERGAMON-ELSEVIER SCIENCE LTD	2009/34(10), 2239-2245
12.	The Effectiveness of Multi-Stage Dehumidification-humidification for Improving the Cooling Ability of Evaporative Air Conditioning	Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, SAGE PUBLICATIONS LTD	2008/223(1)
13.	Variational Formulation of Hyperbolic Heat Conduction Problems Applying Laplace Transform Technique	International Communications in Heat and Mass Transfer, PERGAMON-ELSEVIER SCIENCE LTD	2008/35(2), 204-214
14.	Evaporative System for Water and Beverage Refrigeration in Hot Countries	Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, SAGE PUBLICATIONS LTD	2007/221(8)
15.	A Modified Air Jet Refrigeration System	International Journal of Heat and Technology, INT INFORMATION & ENGINEERING TECHNOLOGY ASSOC	2006/24(2), 23-28



Conferences:

#	Paper Title	Organizing Institution	Conference
1.	Dynamic Modeling and performance analysis of an air conditioning system using Matlab/Simscape	Zarqa University, Zarqa, Jordan, 2022, Publisher: IEEE doi: 10.1109/EICEEAI56378.2022.10050462.	International Engineering Conference on Electrical, Energy, and Artificial Intelligence (EICEEAI), 2022
2.	Analysis of control strategies and Simulation of heating Systems using Simulink/Matlab Potential	Yildiz Technical University	CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2015 (ICAME15), 13-15/5/2015.
3.	Solar Cooker Utilizing Satellite Dish Technology	The University of Jordan	Global Conference on Renewable Energy Approaches for Desert Regions (GCREADER) 2006
4.	A Solar Still Augmented with a Flat-plate Collector and a Reflector	The University of Jordan	Global Conference on Renewable Energy Approaches for Desert Regions(GCREADER) 2006



Community Service Activities

#	Duration	Activity
1.	2005-2023	Member of the Faculty Council for several sessions at Philadelphia University, Salman Bib Abdel-Aziz University, and Zarqa University
2.	2016	Supervising the organization of a seminar to promote the culture of innovation in the Faculty of Engineering at Jouf University
3.	2010-2015	Reviewer for Energy Conversion and Management Journal
4.	2008-2011	Coordinator between Philadelphia University and JEA
5.	2006, 2008, 2009	Reviewer for many international conferences such as GCREADER 2006, JIMEC'6, and GCREADER 2009
6.	2000-2011	Reviewer for many scientific events at Philadelphia University, such as: Abdul-Hameed Shoman Award for Young Arab Researchers The national award for best invention Projects presented to the incubators of the Jordan Innovation Center
7.	9/2009-9/2010	General chair of The Seventh Jordanian International Mechanical Engineering Conference JIMEC7
8.	2006, 2008, and 2009	Member of the Organizing Committee of the conferences GCREADER 2006, JIMEC'6, and GCREADER 2009
9.	11/8/2008	Organizing a scientific day in Mechanical Engineering Department (Philadelphia University) in collaboration with Arab



		Group Company about "Solar collectors" and "Underfloor heating"
10.	20/2/2007	Participation in the scientific day organized by JEA about solar energy with a paper entitled "Solar Cooling"

Conferences, Symposiums, Seminars & Workshops

- Participation in the workshop organized by British Council and NCAAAA on 15/11/2011 entitled "Programme and Course Learning Outcomes Bases on NQF for Medical, Science, Eng. and Humanities".
- Participation in the workshop organized by Higher Council for Science and Technology (HCST) on 25/10/2008 entitled "Building Envelop Energy Efficiency Technology Cooperation".
- Participation in the workshop organized by Higher Council for Science and Technology (HCST) on 18/6/2008 entitled "Thematic Foresight on Solar Energy in Jordan".
- Participation in the scientific day organized by JEA about solar energy on 20/2/2007 with a paper entitled "Solar Cooling".

Cultural, Intellectual, Academic, and Training Activities

- Participation in the training course "Generic Course Design" delivered by the University of Strathclyde (UK), organized by Jouf University during the period 7-10/12/2015.
- Participation in the training course "Programme of Staff Development" delivered by the University of Strathclyde (UK), organized by Jouf University during the period 8-11/12/2014.
- Attending the training program "Developing Research Abilities: Idea Formulation and Research Management" organized by King Abdulaziz City for Science and Technology General Directorate of Research Grants held at Aljouf University on 10 October 2012.
- Participation in the training course "Introduction to renewable energy technologies" organized by InWent group from Germany and Al-Balqa' Applied University: 2-6/12/2010.



- Participation in the training course “Design of solar collectors” organized by National Energy Research Center, 30/6-3/7/2005.
- Participation in the FLUENT introductory Course with GAMBIT, Philadelphia University, 4-7/9/2004.

Awards & Merits

- Award of Excellence and Quality of Publishing for the year 1435/1436 at Jouf University / KSA.
- Awarded as Outstanding reviewer as being within the top 10th percentile of reviewers for the Journal Energy Conversion and Management, June 2015.
- Awarded as a Recognized reviewer by the Journal Energy Conversion and Management, April 2015.
- Certificate of appreciation and emblem for the presidency of JIMEC’7 (Seventh Jordanian International Conference of Mechanical Engineering)
- Certificate of appreciation and emblem for participation in the organization of JIMEC’6.
- Certificate of appreciation for membership at the Council of Zarqqa branch of JEA.
- Certificate of appreciation for participation in the scientific day of solar energy organized by JEA.

Personal Information

Name	Ahmad Saleh		
Place and Date of Birth	Surrah, Jordan 1957		
Nationality	Jordanian		
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