

Date 25/9/2023

AKRAM MAHMOUD ABED EL-
HADI MUSA



PERSONAL INFORMATION

Title: Faculty member

Academic Rank: Assistant professor

Date & Place of Birth: 8-11-1967/ Jordan - Al-Balqa - Damia

Nationality: Jordanian

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ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
Ph.D.	Mechanical Engineering/ Thermal Science	1997-2002	University of Jordan	Jordan
M.Sc.	Mechanical Engineering/ Thermal Science	1991-1994	University of Jordan	Jordan
B.Sc.	Mechanical Engineering	1986-1991	University of Jordan	Jordan

TEACHING EXPERIENCE				
Duration	Rank	Institution	Department/Faculty	Country
Sep 2022- Now	Assistant professor	Amman Arab University	Renewable Energy/ Faculty of Engineering	Jordan
Oct 2020 - Sep 2022	Assistant professor	National University College of Technology	Renewable Energy Technology/ Mechanical Engineering Department	Jordan
Aug 2014 - Oct 2020	Mechanical Engineering Instructor/	Zamil Higher Institute for Industrial Training	Head of Refrigeration and Air-conditioning Department	Saudi Arabia/ Dammam
Sep 2004 – June 2014	Senior Lecturer (First Trainer grade A)	Technical and Vocational Training Corporation- College of Technology at Dammam	Mechanical Engineering Technology/ Refrigeration and Air-conditioning Section	Saudi Arabia/ Dammam
Sep 2003 - Sep 2004	Community Outreach Specialist	Camp Dresser & McKee (CDM)/USAID	Environmental Health Project / Qirawan Spring Watershed Protection Project	Jordan
Sep 1996 - Sep2003	Engineer /Instructor	Ministry of Education	Industrial Education/ Jarash Directorate	Jordan
June 1994 – Sep 1996	Steel Structure Engineer -	Steel Fabrication Company (SFC)	Fabrication and erection of steel structures	Jordan

دائرة الموارد البشرية
Human Resources Department

OTHER EXPERIENCE				
Duration	Rank	Institution	Department/Faculty	Country
Sep 1997 - June 1999	Teaching Assistance during Ph.D. study	University of Jordan	Department of Mechanical Engineering	Jordan
Aug 1994 – 1996 Sep	Design Engineer (part time)/	Talal Masud Engineering Office	Mechanical Design	Jordan
Sep 1992 - June 1994	Teaching Assistance During M.Sc. study	University of Jordan	Department of Mechanical & Industrial Engineering	Jordan

PUBLICATIONS

JOURNALS

Author/s (In Order)	Title	Journal	Vol./No.	Publication Date
	Performance of solar still under Jordanian climate.	Energy conversion & Management.	Vol 40	(1999) pp. 495-503.

Authored the article "**Hydraulic and Pneumatic (theoretical and practical)**" of pneumatic and hydraulic systems specialty in favor of the General Administration of design and development of curricula for Technical and Vocational Training -2013.

Modify and re-written the article "**Air Conditioning Systems and Equipment (theoretical and practical)**" of refrigeration and air conditioning specialty in favor of the General Administration of design and development of curricula for Technical and Vocational Training -2012.

Modify the article "**vibration and balance (theoretical)**" of mechanical maintenance specialty in favor of the General Administration of design and development of curricula for Technical and Vocational Training -2013.

CONFERENCES

Author/s (In Order)	Title	Conference	Country	Date
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BOOKS

Author/s (In Order)	Title	Publisher	Edition	Date
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MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

Jordanian Engineers Association.

Saudi Council of Engineers.

UNIVERSITY COMMITTEES

Member of the Council of the National University College of Technology

Rapporteur of the Laboratory Committee of the National University College of Technology

Representative of the Department of Renewable Energy in the Council of the Faculty of Engineering at Amman Arab University

Member of the Board of the Department of Renewable Energy at the Faculty of Engineering at Amman Arab University

WORKSHOPS ATTENDED

Managing Employee Performance - an online non-credit course authorized by University of Minnesota and offered through Coursera- 2019

Setting Expectations & Assessing Performance Issues - an online non-credit course authorized by University of California, Davis and offered through Coursera - 2019

Training certificate of HVAC Technology – Advanced Refrigeration – March 2011

Basics of total quality management – March 2010

Introduction to Blackboard learning – March 2009

Measuring the performance of trainers – August 2011

Planning and preparation of training – May 2007

Practical training and evaluation strategies – March 2008

Sheet Metal Forming – August 1995

WORKSHOPS OFFERED

RESEARCH INTERESTS

Renewable Energy Technologies

Solar panels

Wind turbines

Water Desalination

LANGUAGES

Arabic (Excellent)

English (Very Good)

OTHER COMMUNITY ACTIVITIES

Jordan Environment Society / Past Head of Jerash branch

Ajour Social Development Society / (Member of administration committee)

AWARDS RECEIVED

GRADUATE STUDENTS SUPERVISION

Student Name

Thesis Title

REFERENCES

Prof. Ahmad Alsalaymeh. Department of Mechanical Engineering – University of Jordan

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Prof. Mahammad Hamdan. Renewable Energy Technology – Applied Science Private University

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Ahmad A. Al-Thunyan – College Dean. College of Technology at Dammam/ Saudi Arabia.

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