

Date 20-09-2023

YOUSEF ADEL MAHMOUD
ALTAHARWAH



PERSONAL INFORMATION

Title: Faculty member

Academic Rank: Assistant professor

Date & Place of Birth: 4-2-1991/ Jordan-Amman-Sahab

Nationality: Jordanian

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ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
Ph.D.	Mechanical Engineering (Thermal science and Fluid mechanics)	2017-2020	National Taiwan University of Science and Technology	Taiwan
M.Sc.	Mechanical Engineering (Renewable energy)	2016-2017	University of Lincoln	The United Kingdom
B.Sc.	Mechanical Engineering (General)	2009-2014	The University of Jordan	Jordan

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TEACHING EXPERIENCE				
Duration	Rank	Institution	Department/Faculty	Country
2022- till now	Assistant professor	Amman Arab University	Engineering/ Renewable Energy Engineering	Jordan
2020-2022	Assistant professor	National University College of Technology	Engineering/ Mechanical Engineering	Jordan

OTHER EXPERIENCE				
Duration	Rank	Institution	Department/Faculty	Country
2014-2016	Production Engineer	The United Food Industries Corp.Ltd.Co. (Deemah)	Food company	The Kingdom of Saudi Arabia

PUBLICATIONS				
JOURNALS				
Author/s (In Order)	Title	Journal	Vol./No	Publication Date
Ali, M., Gherissi, A. and Altaharwah, Y.	Experimental and simulation study on a rooftop vertical-axis wind turbine.	Open Engineering,	13(1), p.20220465.	Jun 2023
Al-Salaymeh, A.S., Al-Mansi, N.N., Muslih, I.M., Altaharwah, Y.A. and Al Smadi, W.Y.	Electrostatic cleaning effect on the performance of PV modules in Jordan	Cleaner Engineering and Technology.	13, p.100606.	April 2023
Y. A. Altaharwah, R. F. Huang, and C. M. Hsu.	Flow and mixing characteristics of a forward-inclined	International journal of heat and fluid flow	Volume 82	April 2020

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	stack-issued jet in crossflow			
Y. A. Altaharwah, R. F. Huang, and C. M. Hsu.	Dispersion and upwind-side shear-layer characteristics of forward-inclined transverse jet in crossflow	Experimental thermal and fluid science	Volume 115	July 2020
CONFERENCES				
Author/s (In Order)	Title	Conference	Country	Date
Al-Jaafreh, T.M.L., Al-Odienat, A. and Altaharwah, Y.A.	The solar energy forecasting using LSTM deep learning technique.	2022 International Conference on Emerging Trends in Computing and Engineering Applications (ETCEA) (pp. 1-6). IEEE	Jordan	2022, November
Y. A. Altaharwah	Hydro-Fuel	U.S.- JORDAN PARTNERSHIP FOR UNIVERSITY LEADERSHIP AND STUDENTS ENGAGEMENT (PULSE)	Amman, Jordan	24-26-Jly-2022
Yousef Altaharwah, Rong Huang, and Ching Hsu.	Forward-Inclined Transverse Jet in Crossflow at Low Jet-to -Crossflow Momentum Flux Ratio	10th International Mechanical Engineering Conference	Cebu, Philippines	22-24 January. 2020

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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

- Department Committee.

WORKSHOPS ATTENDED

- Jordan Optimizing Solar Steam for Industry (JOSSI)

From 26-Jun-2022 to 08- July-2022

Location: Germany- Dresden

Institution: Helmholtz Zentrum Dresden Rossendorf (HZDR)

- Research Fellowship

From 27-Jun- 2023 to 8-September-2023

Location: Taiwan- Taipei

Institution: National Taiwan University of Science and Technology (NTUST)

WORKSHOPS OFFERED

RESEARCH INTERESTS

- Research Interest: Thermal science and fluid mechanics:

Area of specialization: Aerodynamics, Ventilation, Flow visualization technologies, Flow control and management technology, Internal combustion engines, Cooling of electronic devices, Channel flow, Vortex shedding evolution, Wind tunnels design, Measurement and calibration technologies of pressure, flow rate, flow velocity, and temperature.

- Renewable Energy Technologies:

Solar panels, Wind turbines, Oil shale and biomass,

LANGUAGES

- Arabic (Excellent)
- English (Excellent)
- Chinese (Moderate)

OTHER COMMUNITY ACTIVITIES

AWARDS RECEIVED

- Granted Ph.D. full scholarship. National Taiwan University of Science and Technology for three years.
- Granted M.Sc. partial scholarship. University of Lincoln for one year.
- Granted B.Sc. full scholarship. Jordan Armed Forces for five years.

GRADUATE STUDENTS SUPERVISION



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Student Name

Saleh Koleeb

Mousa Harahsheh

Mohammad albtoush

Thesis Title (UAV design optimization
using ANSYS software)

REFERENCES

- Dr. Akram Musa

Head of Renewable Energy Engineering department

Arab Amman University

Amman, Jordan

a.musa@aau.edu.jo

- Prof. Rong Fung Huang

Chair Professor, Department of Mechanical Engineering

National Taiwan University of Science and Technology

Taipei, Taiwan

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- Dr. Seong-Ho Jin

Senior Lecturer, Department of Mechanical Engineering

University of Lincoln

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