Date: 17-Dec-2024

CURRICULUM VITAE

Personal information

Faculty Member Name: Yousef Adel Mahmoud Altaharwah
Academic Rank: Assistant Professor
College: Engineering
Department: Renewable energy engineering
Nationality: Jordanian
Address: Jordan- Amman- Sahab
Phone No: 0796876209
E-mail: y.altaharwah@aau.edu.jo

Academic Qualifications

Degrees with fields, institution, and date

- B.S. in Mechanical Engineering- Thermal science and Fluid mechanics program, university of Jordan/ Amman- Jordan, year 2014.
- M.Sc. in Mechanical Engineering- Renewable energy engineering, university of Lincoln/ U.K, year 2017. Project / theses title: Aircraft Cabin Thermal Management Investigated using CFD
- Ph.D. in Mechanical Engineering- Thermal science and Fluid mechanics program, National Taiwan University of Science and Technology, year 2020. Dissertation title: Flow and Dispersion Characteristics of a Forward-Inclined Stack-Issued Jet in Crossflow

Academic Experience

- Duration: 5 Years
- University: National University College of Technology (2020- 2022) + Amman Arab University (2022- till now)
- Academic Rank: Assistant professor
- Date the rank was granted: 2020
- The body granting the rank: Ministry of higher education
- College: Engineering
- Country: Jordan

Non-Academic Experience

- Duration: 2 years
- Institution: United Food Industries Corp.Ltd.Co. (Deemah)
- Department: Production
- Country: Saudi Arabia- Riyadh

Certifications or Professional Registrations

- HABC Level 2 International Award in Emergency First Aid at Work. Certificate number and Surname (FA786700, Adel) from Highfield awarding body. Riyadh, Saudi Arabia. 20 – Apr – 2016.
- HABC Level 2 Award in Fire Safety (QCF). Certificate number and Surname (FIR776489, Al Taharwah) from Highfield Awarding body. Riyadh, Saudi Arabia. 28 – Dec – 2015.

Current Membership in Professional Organizations

- Jordanian Engineering Association
- Saudi Council of Engineers

Honors and Awards

- Jordan partnership for university leadership and students engagement (PULSE). 1000.0 $.

Service Activities

- Academic leadership
- Participation in many seminars and training workshops

The most Important Publications in last five years

Journal publications:

- **Altaharwah, Y.A**., Huang, R.F. and Hsu, C.M., 2020. Flow and mixing characteristics of a forward-inclined stack-issued jet in crossflow. *International Journal of Heat and Fluid Flow*, *82*, p.108549.
- **Altaharwah, Y.A.,** Huang, R.F. and Hsu, C.M., 2020. Dispersion and upwind-side shear-layer characteristics of forward-inclined transverse jet in crossflow. *Experimental Thermal and Fluid Science*, *115*, p.110104.
- Al-Salaymeh, A.S., Al-Mansi, N.N., Muslih, I.M., **Altaharwah, Y.A**. and Al Smadi, W.Y., 2023. Electrostatic cleaning effect on the performance of PV modules in Jordan. *Cleaner Engineering and Technology*, *13*, p.100606.
- Ali, M., Gherissi, A. and **Altaharwah, Y**., 2023. Experimental and simulation study on a rooftop vertical-axis wind turbine. *Open Engineering*, *13*(1), p.20220465.

- Hussein, M.Y.A., Musa, A., **Altaharwah, Y**. and Al-Kfouf, S., 2024. Integrating machine learning in architectural engineering sustainable design: a sub-hourly approach to energy and indoor climate management in buildings. *Asian Journal of Civil Engineering*, pp.1-13.
- **Altaharwah, Y.A**., Hsu, C.M. and Wang, R.H., 2025. Effect of pulsation intensity on flow and dispersion characteristics of single-pulsed dual parallel plane jets. *International Journal of Heat and Fluid Flow*, *112*, p.109684.
- **Altaharwah, Y.A**. and Hsu, C.M., 2024. Flow and mixing characteristics of single-pulsed dual parallel plane jets. *Results in Engineering*, p.103741.

Conferences:

- ***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.
- Al-Jaafreh, T.M.L., Al-Odienat, A. and **Altaharwah, Y.A**., 2022, November. The solar energy forecasting using LSTM deep learning technique. In *2022 International conference on emerging trends in computing and engineering applications (ETCEA)* (pp. 1-6). IEEE.
- **Y. A. Altaharwah**, Hydro-Fuel, U.S.- Jordan partnership for university leadership and students engagement (PULSE), Amman, Jordan, 24-26-Jly-2022.

Institutional Professional Development Activities in the last five years

- Jordan Optimizing Solar Steam for Industry (JOSSI)- Germany-Dresden- (HZDR).

Research link (Scopus and Google Scholar)

- Yousef - Google Scholar
- Altaharwah, Y. A. - Author details - Scopus

Languages

- Arabic (Native)
- English (excellent)
- Mandarin (intermediate)