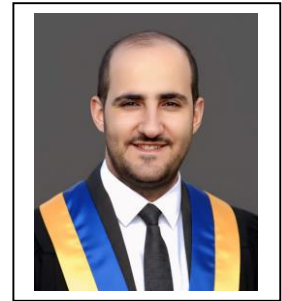


Date: 10-10-2025



CURRICULUM VITAE

PERSONAL INFORMATION

Faculty Member Name: **Mohammad Saleh Fawaier**
Academic Rank: **Assistant Professor**
College: Aviation Sciences
Department: Avionics Department
Nationality: Jordanian
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ACADEMIC QUALIFICATIONS

- **B.Sc.** in Mechanical Engineering – University of Jordan (Amman-Jordan) 2017.
- **M.Sc.** in Mechanical Engineering – Budapest University of Technology and Economics (BME), (Budapest-Hungary) 2019.
- **PhD.** in Mechanical Engineering – Budapest University of Technology and Economics (BME), (Budapest-Hungary) 2024.

Thesis title: Thermal Analysis of Transpired Solar Collectors Used as Dynamic Insulation.

ACADEMIC EXPERIENCE

1. PhD Academic Experience

- Duration: 1 year. (2024-2025)
- University: Luminus Technical University College (LTUC) (Amman-Jordan).
- Academic Rank: Assistant Professor.

2. MSc Academic Experience

- Duration: 5 years. (2019-2024)
- University: Budapest University of Technology and Economics (BME) (Budapest-Hungary).
- Academic Rank: Research and Teaching Fellow.
- Date the rank was granted: July 2019.

NON-ACADEMIC EXPERIENCE

1. Mechanical site Engineer

- Al-Daleel Electromechanical Contracting Est, (Amman-Jordan)
- Feb 2017– Aug 2017
- Place: As-Salt – Jordan.

2. Service Advisor Engineer

- NASHAMA Hybrid Automotive Centre, (Amman-Jordan)
- Jan 2016– Jan 2017

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

- Renewable Energy training course.
- Autodesk Fusion 360 course – OmniPlan, Autodesk training centre.
- HVAC + Plumbing course – Jordan Engineers Association (JEA).
- Automotive course – IEEE University of Jordan.
- Excellent Internet and Research Skills, participate in online networks & communities.

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Jordanian Engineers Association JEA – (2017-Present)
- Reviewer For Several Scientific and Prestigious Journals (2019-Present)

HONORS AND AWARDS

- MSc Scholarship, Ministry of Higher Education, Tempus Public Foundation–Hungary 2017
- PhD Scholarship, Hungary, Ministry of Higher Education, Stipendium 2019
- PhD Honor and Excellency Degree, BME University, Hungary, 2025

SERVICE ACTIVITIES

- Head of the Automotive Technology Department, Luminus Technical University College, 2025.
- Chair of the Scientific Research Committee, Luminus Technical University College, 2024 – 2025.
- Chair of the Undergraduate Graduation Projects Committee, Luminus Technical University College, 2024 – 2025.
- Member of the Curriculum Development Committee, Arab Open University, 2025 – Present.
- Developer of Educational Chapters in Cooperation with the HI-SMART Project, Budapest University of Technology and Economics (BME), 2020 – 2024.
- Organizer of International Workshops for Students across Europe, Budapest University of Technology and Economics (BME), 2020 – 2024

- Assistant in the Development of Educational Materials on Renewable Energy, Heating, and Ventilation, Budapest University of Technology and Economics (BME), 2020 – 2024.
- Scientific Reviewer for Journals in Energy and Mechanical Engineering fields, 2019 – Present.

THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS

1. **Fawaier M.** ; Abu Shaban N.; Bokor B.: Heat transfer investigation for wall heat loss recapture in transpired solar collectors. Energy Conversion and Management: X— Elsevier April 2024.16 p. Volume 22, ISSN: 1879-2227, WoS: Q1 SJR: D1 (IF=7.1), <https://doi.org/10.1016/j.ecmx.2024.100540>
2. **Fawaier M.**, Róbert G, Bokor B. Simulation study of dynamic building insulation with transpired solar collectors. Energy Reports — Elsevier. Q1 (IF=4.7) 2024 Aug 1;12:1325-43. <https://doi.org/10.1016/j.egyr.2024.07.018>
3. **Fawaier M.** ; Bokor B.: Dynamic Insulation Systems of Building Envelopes using Air: A Re-view. Energy and Buildings, September 2022 — Open Access Journal, Elsevier, 40 p. ISSN: 0378-7788. WoS: Q1 SJR: D1 (IF=7.2) <https://doi.org/10.1016/j.enbuild.2022.112268>
4. **Fawaier M.** ; Bokor B. ; Horváth M.: Wall Heat Loss Recapture Evaluation of Transpired Solar Collectors for Different Climates: a European Case Study. Case Studies in Thermal Engineering, April 2021—Open Access Journal, Elsevier, 22 p. Volume 24, ISSN: 2214-157X. WoS: Q1 SJR: Q1 (IF=6.8) <https://doi.org/10.1016/j.csite.2020.100836>.
5. K Alfaverh, **Fawaier M.**, L Szamel: Optimizing Home Energy Flows and Battery Management with Supervised and Unsupervised Learning in Renewable Systems, Electronics 14 (6), 1166, WoS: Q2 SJR: Q2 (IF=2.6) <https://doi.org/10.3390/electronics14061166>
6. Al Dabbas, A., Al-Azba, M., Kopecskó, K., **Fawaier M.**, Alshebli, A., Al-Hyari, L., & Joubert, A. (2024). Comparative Analysis and Evaluation of Modeling Methods for Nuclear-Grade HEPA Filters. Fibers, 12(9), 71. WoS: Q2 SJR: Q2 (IF=4.0). <https://doi.org/10.3390/fib12090071>
7. Fülöp, T. ; Kovács, R. ; Szücs, M. ; **Fawaier M.**: Thermodynamical Extension of a Symplectic Numerical Scheme with Half Space and Time Shifts Demonstrated on Rheological Waves in Solids. Entropy 2020 — Open Access Journal Volume: 22, Issue: 2, Paper: 155 , 24 p. ; WoS: Q2 SJR: Q2 (IF=2.7). <https://doi.org/10.3390/e22020155>
8. Al Dabbas A. ; Al-Hyari L. ; Al-Oneh A. ; Kopecskó K. ; **Fawaier M.**: Feasibility Study for Energy Supplying Installation for a University Campus. Periodica Polytechnica Mechanical Engineering 2021 — Open Access Journal, 12 p. Online ISSN: 1587-379X, eISSN : 0324-6051 WoS: Q3 SJR: Q3 (IF=1.3) <https://doi.org/10.3311/PPme.17361>

THE MOST IMPORTANT BOOKS IN LAST FIVE YEARS

- **Fawaier M.**, 2021 Educational material for Nearly Zero Energy and Smart Buildings (NZEB) In cooperation with HI-SMART project, which is an Erasmus+ project.

RESEARCH LINK (Scopus and Google Scholar)

- <https://www.scopus.com/authid/detail.uri?authorId=57215408545>
- https://scholar.google.com/citations?user=_ZV_Y4AAAAAJ&hl=en
- <https://www.researchgate.net/profile/Mohammad-Fawaier>
- <https://orcid.org/0000-0002-3926-5554>

LANGUAGES

- English, Hungarian, Arabic