

Date 23 /9/2022

DR. MOHAMMAD FAWZI ZAKI ISMAIL



PERSONAL INFORMATION

Title: Lecturer

Academic Rank: Assistant Professor

Date & Place of Birth: 19/4/1989- Makka/ Saudi Arabia

Nationality: Jordanian

Address: Al-Bunyat- Amman

Phone No.: 0788728770

e-mail:

ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
PhD	Mechanical Engineering / thermal science and renewable energy	2016-2020	Northumbria	United Kingdom
Master	Mechanical Engineering	2012-2015	The University of Jordan	Jordan
Bachelor	Mechanical Engineering/ Thermal Science and Hydraulic Machines	2007-2012	Al Balqaa Applied University	Jordan

دائرة الموارد البشرية
Human Resources Department

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
2020-recent	Assistant professor	Amman Arab University	Renewable Energy Engineering	Jordan
2020 9/1-6/1	Lecturer	AL-Khwarizmi Collage	Mechanical Engineering	Jordan
2020/6/3-/2/1	Lecturer	Al- Zaytoneeh University	Mechanical Engineering	Jordan

OTHER EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
18-9-2022- till now	The head of the department	Amman Arab University	renewable energy department	Jordan

PUBLICATIONS

JOURNALS

Author/s (In Order)	Title	Journal	Vol./No.	Publication Date
Awni H Alkhazaleh, Waref Almanaseer, Mohammad Ismail, Sahar Almashaqbeh, MM Farid	Thermal and mechanical properties of cement based-composite phase change material of butyl stearate/isopropyl palmitate/expanded graphite for low temperature solar thermal applications	Journal of Energy Storage	50	2022
Abdullah N Olimat, Mohammad Ismail, Nabeel Abu Shaban, AL-Salaymeh Ahmad	The effectiveness of the heat transfer fluid pipe orientation angle inside a latent heat thermal energy storage system	Case Studies in Thermal Engineering	36	2022
Malek Ali, Abderraouf Gheriss, Anwar H. Al-Assaf, Mohammad Ismail	A review on the effects of ceramics and particles on most casting defects	Journal of Ceramic Processing Research	23	2022
Mohammad Ismail, Awni H. Alkhazaleh, Jafar Masri, Abdullah Masoud Ali, Malek Ali	Experimental and Numerical Analysis of Paraffin Waxes during Solidification inside Spherical Capsules	Thermal Science and Engineering Progress	26	2021
Sol-Carolina Costa, Khamid Mahkamov, Murat Kenisarin, Mohammad Ismail, Kevin Lynn, Elvedin Halimic, David Mullen	Solar salt latent heat thermal storage for a small solar organic Rankine cycle plant	Journal of Energy Resources Technology	142	2020
Sol-carolina Costa, Mohammad Ismail, Murat Kenisarin, Khamid Mahkamov, David Mullen, Elvedin Halimic, Kevin Lynn	Comparative study of two types of medium temperature phase change materials	WIT Transactions on Ecology and the Environment	237	2019

CONFERENCES

Sol-Carolina Costa, Khamid Mahkamov, Murat Kenisarin, Mohammad Ismail, Elvedin Halimic, David Mullen, Kevin Lynn, Thomas Werner	Experimental and numerical study on melting of solar salt in a finned metallic container	ASME International Mechanical Engineering Congress and Exposition	USA	2018/11/9
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BOOKS

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

- 1- Jordan Engineering association.
- 2- American Energy Engineers.

UNIVERSITY COMMITTEES

- 1- Library.
- 2- Website.
- 3- ELearning.
- 4- Exams.
- 5- Training.
- 6- Student's affairs.
- 7- Business Development.
- 8- Initiatives and projects.

WORKSHOPS ATTENDED

WORKSHOPS OFFERED

- 1- Firefighting.
 - 2- HVAC.
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RESEARCH INTERESTS

Phase change Materials, Thermal Management of electronics, and Latent heat thermal energy storage system.

LANGUAGES

Arabic, English

OTHER COMMUNITY ACTIVITIES

AWARDS RECEIVED

GRADUATE STUDENTS SUPERVISION

Student Name

Thesis Title

REFERENCES

- Dr. Islam Shyha

islam.shyha@northumbria.ac.uk

Tel: +44 0191 243 7834

abadran@philadelphia.edu.jo

- Prof. Dr. Nabil Beithou

beithounabil@yahoo.com

Tel: +962790764692