

Date: 15/10/2021

**ESRAA MOUSA ABDEL
RAHMAN ALI**



PERSONAL INFORMATION

Title: Faculty member

Academic Rank: Assistant professor

Date & Place of Birth: 9/6/1987 Jordan

Nationality: Jordan

Address: Shafa Bardran – near Jordan Academy for Maritime Studies.

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ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
Ph.D.	Electrical and Electronic Engineering	2014 - 2019	University Technology PETRONAS QS World University Rankings (414)	Malaysia
Master	Electrical and Electronic Engineering Design Systems	2011 - 2013	University Sains Malaysia QS World University Rankings (147)	Malaysia

دائرة الموارد البشرية
Human Resources Department

Bachelor	Electrical and Computer Engineering	2005-2010	Hashemite University	Jordan
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TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
2019 till now	Assistant Professor	Amman Arab University	Aviation Science	Jordan
2014-2018	Graduate Research Assistant	University Technology PETRONAS	Electrical and Electronic Engineering	Malaysia

OTHER EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
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PUBLICATIONS

JOURNALS

Author/s (In Order)	Title	Journal	Vol./No.	Publication Date
Ali, Esraa M., Nor Z. Yahaya, Omar A. Saraereh, Anwar H.A. Assaf, Bilal H. Alqasem, Shahid Iqbal, Oladimeji Ibrahim, and Amit V. Patel.	Power Conversion Using Analytical Model of Cockcroft–Walton Voltage Multiplier Rectenna	Electronics	10(8)	2021
Alpesh D. Vala, Amit Patel, Keyur Mahant, Jitendra Chaudhari, Hiren Mewada, and Esraa M. Ali	Corrugated SIW Based Bandpass Filter for Microwave Interferometer and ISM Band Application	Progress In Electromagnetics Research C	108(137)	2021

دائرة الموارد البشرية
Human Resources Department

Alasali, Feras, Husam Foudeh, Esraa M. Ali , Khaled Nusair, and William Holderbaum	Forecasting and Modelling the Uncertainty of Low Voltage Network Demand and the Effect of Renewable Energy Sources	Energies	14(2151)	2021
Bilal A., S. Sikiru, Esraa M. A. , Khaled A, Noorhana Y., Amir R., Menaka G., Chai M. N., Saima Q.	Effect of electromagnetic energy on net spin orientation of nanocatalyst for enhanced green urea synthesis	Journal of Materials Research and Technology	9(6)	2020
Esraa M. A. , Nor Zaihar Yahaya, Perumal Nallagownden, Bilal Hasan Alqasem	Enhanced Dickson voltage multiplier rectenna by developing analytical model for radio frequency harvesting applications	International Journal of RF and Microwave Computer-Aided Engineering	29(1)	2018
Esraa M. A. , NZ. Yahaya, Perumal N., and MA. Zakariya	A Novel Rectifying Circuit for Microwave Power Harvesting System	International Journal of RF and Microwave Computer-Aided Engineering	29(1)	2017
Esraa M. Ali , NZ. Yahaya, Perumal N., and MA. Zakariya	Design of Microstrip Patch Antenna at 900 MHz for Charging Mobile Applications	Journal of Engineering and Applied Sciences	12(4)	2017
Esraa M. Ali , NZ. Yahaya, Perumal N., and MA. Zakariya	Development of Cockcroft Walton Voltage Multiplier for RF Energy Harvesting Applications	Journal of Scientific Research and Development	3(3)	2016
Esraa M. Ali , NZ. Yahaya, Perumal N., and MA. Zakariya	Design and development of harvester RECTENNA at GSM band for battery charging applications	Journal of Engineering and Applied Sciences	10(21)	2015
Esraa M. Ali , NZ. Yahaya, Perumal N., and MA. Zakariya	Design of RF to DC Rectifier at GSM Band for Energy Harvesting Applications	Platform of PETRONAS	10(12)	2014

CONFERENCES

Women in Academia, Jordan, Australia, 2021.

International Conference on Electrical Engineering and Control Technologies (CEECT), 2020

International Conference on Innovation in Computer Science and Engineering, Malaysia, 2017.

International Conference on Energy and Applied Mechanic, Malaysia, (ICEAM 2016).

Symposium on Energy Systems, (SES), Malaysia, 2015.

MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

Member of the Association of Jordanian Women Academics.

Member of the Jordan Engineer Associations.

Member of Malaysian Universities Alumni Association in Jordan.

UNIVERSITY COMMITTEES

Member of the University Council/ Amman Arab University (2019/2022)

Member of the Scientific Research Committee/ Amman Arab University (2020/2022)

Member of the Student Guidance Committee/ Amman Arab University (2019/2020).

Member of the Student Discipline Committee/ Amman Arab University (2019/2021).

Member of the Examination Committee/ Amman Arab University (2019/2022).

Member of the Website Committee/ Amman Arab University (2019/2022).

Member of the Student Guidance Committee/ Amman Arab University (2019/2022).

Member of the Quality Assurance Council/ Amman Arab University (2019/2022).

Member of the Library Committee/ Amman Arab University (2019/2022).

WORKSHOPS ATTENDED

Training on CST Studio Suite 3D EM simulation and analysis software.

Training on Aeon Reality Creation for Education & Training.

Workshop on construction of large-scale PV projects.

Workshop on Sensors, Actuators Interfacing and Programming.

RESEARCH INTERESTS

RF harvesting – UAV – Power electronics – Wirelesses transmission – Antenna – Power Converter.

LANGUAGES

Arabic, English

OTHER COMMUNITY ACTIVITIES

AWARDS RECEIVED

Certificate of Thanks and Appreciation for training and preparing the students for chess championship which held in Amman Arab University in Nov 2019.

The UTP graduate assistantship.

Prototype Research Grant Scheme (PRGS), Ministry of Higher Education Malaysia.

The Fundamental Research Grants Scheme (FRGS), Ministry of Higher Education Malaysia.

GRADUATE STUDENTS SUPERVISION

Student Name

Thesis Title

REFERENCES

Available upon request