

## **Arij Naser Abougreen**

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### **SUMMARY OF QUALIFICATIONS**

Arij received the M.Sc degree in Communication engineering from the University of Tripoli, Libya, in 2018. Her research interests include image processing, machine learning, Internet of Things and wireless communication. She has three years of teaching experience in reputed university and high institute. She served as a technical Program Committee member and a reviewer for several conferences such as **7<sup>th</sup>** IEEE World Forum on the Internet of Things (WFIoT2021), New Orleans, USA; **11<sup>th</sup>** series of IEEE Symposium on Computer Applications and Industrial Electronics (ISCAIE 2021); **44<sup>th</sup>** International Conference on Telecommunications and Signal Processing (TSP), 2021; **30<sup>th</sup>** International Conference on Computing and Communication Networks (ICCCN-2021), organized by Manchester Metropolitan University, United Kingdom, IEEE International Conference on Electronics Circuits and Systems (ICECS) 2022, EAI CCom 2022 - 3rd EAI International Conference on Computational Intelligence and Communications. She also served as a reviewer for journal of Multimedia Tools and Applications (Springer) and Applications and Applied Artificial Intelligence journal (Taylor & Francis). She has authored/ co-authored four book chapters and two papers.

### **Education/Training:**

<b>Tripoli university</b> M.S. in Communication engineering	<b>Tripoli</b> 2018
<b>Libya Knowledge Center</b> Oreca SQL database fundamentals training	<b>Tripoli</b> 2016
<b>National Oil Company, Alhares Center</b> Certificate in English language training, Intermediate level	<b>Tripoli</b> 2014
<b>National Oil Company, Alhares Center</b> Certificate in IC3 (Internet and Computing Core Certificate)	<b>Tripoli</b> 2014
<b>Tripoli university</b> B.S. in Electrical and Electronic Engineering, Communication engineering	<b>Tripoli</b> 2006 - 2011

## **Work Experience:**

### **2022**

Assistant Lecturer in Electrical and Electronic Engineering Department at University of Tripoli, Libya: I have taught Signals and Systems and Electronic Lab.

### **2019-2022**

Cooperator teacher at University of Tripoli: I have taught measurements and instrumentation and Active Networks.

### **2019-2021**

Cooperator teacher at High institute of technology in Tripoli: I have taught Electrical circuits and technical terms.

## **Academic Links:**

<https://www.linkedin.com/in/arij-naser-9a527016b/>

<https://scholar.google.com/citations?user=NIOV94wAAAAJ&hl=ar>

<https://www.webofscience.com/wos/author/record/3051196>

<https://orcid.org/0000-0003-2817-4830>

## **Technical Skills:**

MATLAB and Python.

## **Webinars/Conferences Attended**

1- One Week International Webinar on Industry 4.0: Artificial Intelligence and Related Technology, 2020, conducted by Department of Electronics and Communication Engineering, Integral University, Lucknow.

2- Webinar on " Insights in writing an impactful manuscript and navigating review process", 2020, Vemana Institute of Technology in association with Royal Society of Chemistry.

3- Webinar on Journal search, Citation and Bibliography, 2020, organized by the Department of Computer Science and Engineering, Bhagwan Parshuram Institute of Technology, New Delhi.

4- International Conference on New Computer Science and Engineering Trends (NCSET2020), 2020.

5- One Week International Faculty Development program on "Recent Trends in Computer Science and IT", Raj Kumar Goel Institute of Technology, GZB. Department of Computer Science and Engineering.

6- International Webinar on "Artificial Intelligence in cloud computing and IoT ", center of Excellence power Engineering and clean Energy Integration in collaboration with IEEE SB Galgotias University.

### Conference Publications

(C1) **A. Abougrain** and A. Ganoun, Libyan Vehicles License Plates Localization system using Neural Networks, Libyan International Conference on Electrical Engineering and Technologies (LICEET2018).

[https://drive.google.com/file/d/1YYGiTiPnSyfHZ\\_byN7CP6J4HE4vDELyp/view](https://drive.google.com/file/d/1YYGiTiPnSyfHZ_byN7CP6J4HE4vDELyp/view)

### Journals Publications

(J1) Chinmay Chakraborty, **Arij Naser Abougreen**: Intelligent Internet of Things and Advanced Machine Learning Techniques for COVID-19. EAI Endorsed Trans. Pervasive Health Technol. 7(26): e1 (2021).

<https://eudl.eu/doi/10.4108/eai.28-1-2021.168505>

### Book Chapter Publication

(B1) **Arij Naser Abougreen**, Chinmay Chakraborty, Applications of Machine Learning and Internet of Things in Agriculture, Green Technological Innovation for Sustainable Smart Societies: Post Pandemic Era, Ch. 12, 2021. [SCOPUS].

[https://doi.org/10.1007/978-3-030-73295-0\\_12](https://doi.org/10.1007/978-3-030-73295-0_12)

(B2) **Arij Naser Abougreen**, Big Medical Data Analytics Under Internet of Things, Efficient Data Handling for Massive Internet of Medical Things, Ch.2, 2021 (Springer). [SCOPUS].

[https://doi.org/10.1007/978-3-030-66633-0\\_2](https://doi.org/10.1007/978-3-030-66633-0_2)

(B3) **Arij Naser Abougreen**, Chinmay Chakraborty, The Role of Machine Learning and Internet of Things in Digital Health Transformation, Digital Health Transformation with Blockchain and Artificial Intelligence, 2022 (CRC Press).

<https://www.taylorfrancis.com/chapters/edit/10.1201/9781003247128-14/role-machine-learning-internet-things-digital-health-transformation-arj-naser-abouggreen-chinmay-chakraborty>

(B4) **Arij Naser Abougreen**, Ahmed Esmail Shalan, Esraa Samy Abu Serea, Mustafa KA Mohammed, Polymer Nanocomposites for Energy Storage Applications, Advances in Nanocomposite Materials for Environmental and Energy Harvesting Applications, 2022, (Springer). [https://doi.org/10.1007/978-3-030-94319-6\\_22](https://doi.org/10.1007/978-3-030-94319-6_22)

### **Professional Activities:**

I have served as a Technical Program Committee member and reviewer for:

- **7<sup>th</sup>** IEEE World Forum on the Internet of Things (WFIoT2021), New Orleans, USA.
- **11<sup>th</sup>** series of IEEE Symposium on Computer Applications and Industrial Electronics (ISCAIE 2021).
- **44<sup>th</sup>** International Conference on Telecommunications and Signal Processing (TSP), 2021.
- **30<sup>th</sup>** International Conference on Computing and Communication Networks (ICCCN-2021), organized by Manchester Metropolitan University, United Kingdom.
- IEEE International Conference on Electronics Circuits and Systems (ICECS) 2022.
- EAI CCom 2022 - 3rd EAI International Conference on Computational Intelligence and Communications.
- Journal of Multimedia Tools and Applications (Springer).
- Applications and Applied Artificial Intelligence journal (Taylor & Francis).

Moreover, I have recently joined IEEE Public Safety Technology Smart Algorithm and Informatics Committee.