

Date 7/3/2024.

**AHMAD MOHDAZIZ ISSA  
HUSSEIN**



**PERSONAL INFORMATION**

Title: Assistant professor

Academic Rank: Doctor of philosophy

Date & Place of Birth: 29/05/1980 – Amman

Nationality: Jordanian

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**ACADEMIC QUALIFICATIONS**

| Degree               | Major                                       | Duration (From-To) | University               | Country  |
|----------------------|---|--------------------|--------------------------|----------|
| Doctor of philosophy | Artificial Intelligent                      | 2015-2020          | Universis sains Malaysia | Malaysia |
| Master               | Computer Science                            | 2008-2009          | Universis sains Malaysia | Malaysia |
| Bachelor             | Information and computer information system | 2000 -2004         | Philadelphia university  | Jordan   |



## TEACHING EXPERIENCE

| Duration              | Rank          | Institution                | Department/Faculty | Country      |
|-----------------------|---------------|----------------------------|--------------------|--------------|
| 24/09/2024 – till now | Assis. Doctor | Middle East University     | Computer Science   | Jordan       |
| 3 years               | Assis. Doctor | Umm Al-Qura University     | Computer Science   | Saudi Arabia |
| 1 year                | Master        | King Saud University       | Computer Science   | Saudi Arabia |
| 6 years               | Master        | Umm Al-Qura University     | Computer Science   | Saudi Arabia |
| 1 year                | Master        | Applied Science University | Computer Science   | Jordan       |

## PUBLICATIONS

### JOURNALS

| Author/s<br>(In Order)  | Title   | Journal                          | Vol./No.     | Publication Date |
|---|---|----------------------------------|--------------|------------------|
| 1. <b>Hussein</b> AMA, Al-azzeH RMH, Mughaid A, Zitar RA, Migdady H, Abualigah L.                           | Knowledge Fusion by Harnessing Support Vector Machines for Collaborative Uncertain Data Classification in Multiagent Systems. | <i>Migration Letters</i>         | 21 (5), 18.  | (2024).          |
| 2. <b>Hussein</b> AMA, AG Sharifai, OM Alia, L Abualigah, KH Almotairi .                                    | Auto-detection of the coronavirus disease by using deep convolutional neural networks and X-ray photographs.                  | <i>Scientific reports</i>        | 14 (1), 534. | (2024).          |
| 3. Abualigah, L., Habash, M., Hanandeh, E. S., <b>Hussein</b> , A. M., Shinwan, M. A., Zitar, R. A., & Jia. | Improved Reptile Search Algorithm by Salp Swarm Algorithm for Medical Image Segmentation.                                     | <i>Journal of bionic engine.</i> | 20.          | (2023).          |
| 4. Abualigah, L., Habash, M., Hanandeh, E. S., <b>Hussein</b> , A. M., Shinwan, M. A., Zitar, R. A., & Jia. | Improved Reptile Search Algorithm by Salp Swarm Algorithm for Medical Image Segmentation.                                     | <i>Journal of bionic engine.</i> | 20.          | (2023).          |

5. Almotairi, K. H., **Hussein**, A. M., Abualigah, L., Abujayyab, S. K., Mahmoud, E. H., Ghanem, B. O., & Gandomi, A. H. Impact of Artificial Intelligence on COVID-19 Pandemic: A Survey of Image Processing, Tracking of Disease, Prediction of Outcomes, and Computational Medicine. *Big Data and Cognitive Computing*. 7. (2023).
6. Otair M., Alhmoud A., Jia H., Altalhi M., **Hussein** A. M., Abualigah L. Optimized Task Scheduling in Cloud Computing using Improved Multi-Verse Optimizer. *Cluster Computing*. 25. (2022).
7. Alzu'bi, D., Abdullah, M., Hmeidi, I., AlAzab, R., Gharaibeh, M., El-Heis, M., Almotairi, K.H., Forestiero, A., **Hussein**, A.M. and Abualigah, L.. Kidney tumor detection and classification based on deep learning approaches: a new dataset in CT scans. *Journal of Healthcare Engineering*, , pp.1-22. (2022).
8. Abualigah, L., Zitar, R.A., Almotairi, K.H., **Hussein**, A.M., Abd Elaziz, M., Nikoo, M.R. and Gandomi, A.H.. Wind, solar, and photovoltaic renewable energy systems with and without energy storage optimization: A survey of advanced machine learning and deep learning techniques. *Energies*, 15(2), p.578. (2022).
9. Ubale Kiru, M., Belaton, B., Chew, X., Almotairi, K. H., **Hussein**, A. M., & Aminu, M.. Comparative analysis of some selected generative adversarial network models for image augmentation: a case study of COVID-19 x-ray and CT images. *Journal of Intelligent & Fuzzy Systems*, 1-20. (2022).
10. Abujayyab, S. K., Almotairi, K. H., Alswaitti, M., Amr, S. S. A., Alkarkhi, A. F., Taşoğlu, E., & **Hussein**, A. M.. Effects of Meteorological Parameters on Surface Water Loss in Burdur Lake, Turkey over 34 Years Landsat Google Earth Engine Time-Series. *Land*, 10(12), 1301. (2021).
11. Samer Atawneh, S. H., Ghaleb, O. A. M., **Hussein**, A. M., Al-Madi, M., & Shehabat, B.. A time series forecasting for the cumulative confirmed and critical cases of the covid-19 pandemic in Saudi Arabia using autoregressive integrated moving average (ARIMA) model. *Journal of Computer Science*, 1278-1290. (2020).

## CONFERENCES

| Author/s<br>(In Order)  | Title   | Conference   | Country | Date  |
|---|---|--|---------|-------|
| 1. <b>Hussein</b> , A. M., Abdullah, R., & AbdulRashid, N.,         | Flower Pollination Algorithm with Profile Technique for Multiple Sequence Alignmen. | IEEJordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT). | Jordan  | 2019. |
| 2. <b>Hussein</b> , A. M., Abdullah, R., AbdulRashid, N., & Ali, A. | Protein multiple sequence alignment by basic flower pollination algorithm.          | Information Technology (ICIT), 2017 8th International Conference.                                      | Jordan. | 2017. |
| 3. <b>Hussein</b> , A. M., Rashid, N. A., & Abdulah, R.             | Parallelisation of maximal patterns   |  |         |       |



finding algorithm in biological sequences. Malaysia. 2016.

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## BOOKS

| Author/s<br>(In Order) | Title  | Publisher | Edition | Date |
|------------------------|--|-----------|---------|------|
| 1.                     | Anuar, N.A., Muniandy, L., Jaafar, K.A.B., Lim, Y., Sabeeh, A.L.L., Sumari, P., Abualigah, L., Elaziz, M.A., Alsoud, A.R. and <b>Hussein</b> , A.M., Rambutan Image Classification Using Various Deep Learning Approaches. Classification Applications with Deep Learning and Machine Learning Technologies. 1071. 2023. |           |         |      |

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## MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

Reviewer for several international magazines, including:

Journal of Computer Science, Recent Advances in Technology Acceptance Models and Theories book, The Journal of Supercomputing, Applied Sciences (ISSN 2076-3417), and Processes (ISSN 2227-9717).

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## UNIVERSITY COMMITTEES

Several committees, including course development, examinations, faculty schedules, field training, online examinations, academic accreditation, equivalency for bachelor's students.

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## WORKSHOPS ATTENDED

Several training courses, including:

- Faculty development course, training, University of Applied Sciences, 2009
- Working towards program accreditation, workshop, Umm Al-Qura University, 2009
- Teaching and Learning Skills Workshop for Online Education, Umm Al-Qura University II,



F170, Rev. b  
Ref.: Deans' Council Session (10/2016-2017), Decision No.: 128,  
Date: 05/11/2016

2009

- Principles of e-learning, workshop, Umm Al-Qura University II, 2013
- Virtual classroom, workshop, Umm Al-Qura University II, 2013
- Using artificial intelligence to monitor electronic tests remotely, UQU2, 2020
- Internal Auditor Course for Quality Management System ISO 9001:2015, UQU2, 2020
- ISO 9001:2015 - Quality Management System Awareness Course, UQU2, 2020

## WORKSHOPS OFFERED

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Several courses I supervised:

- Training of trainer's course.
- International computer license course.

## RESEARCH INTERESTS

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- Artificial Intelligence
- Machine Learning.
- Bioinformatics.
- Parallel processing.

## LANGUAGES

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- Arabic.
- English.

## OTHER COMMUNITY ACTIVITIES

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Date: 05/11/2016

## AWARDS RECEIVED

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- **BRONZE AWARD**, INDUSTRY ANALYTICAL CHALLENGE 2016.
- **SCHOLARSHIP** FROM USM 2018, TEACHER ASSISTANT.

, Time Series prediction for energy

## GRADUATE STUDENTS SUPERVISION

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Khalid Ali

Tracking systems

Abdallah Aljafari, Mohammad Musallam, and Omar Bashqawi: **A Time Series Forecasting for Solar Panels System Production Using ARIMAX Model: A Case Study of Middle East University**

## REFERENCES

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Dr. Khaled Jaber: 0795001611



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Ref.: Deans' Council Session (10/2016-2017), Decision No.: 128,  
Date: 05/11/2016