ISLAM SAEED

جامعة عجلون الوطنية
Ajloun National University

Irbid, Yarmouk University , St | i.mohamed@anu.edu.jo | +962776465878

PROFILE

Excellent in solving problems and has technical documentation skills. Excellent academic and management abilities, teaching, lecturing, presentations, conferences and many more. Good communication skills. my research interests include signal processing, Artificial Intelligence, Machine learning, met heuristic optimization, bioinformatics, and the Internet of Things.

Personal Data

Date of birth: Aug 03, 1991
Marital status: Married
Nationality: Egyptian

EDUCATION

◆ **PH.D** - Computer Science at the department of computer Science of the faculty of Science.
  (Suez Canal University) (2023).

◆ **Master** - Computer Scienceat the department of computer Science of the faculty of Science.
  (Zagazig University) (2019).

◆ **Bachelor** - Computer Science and math at the faculty of Science (Zagazig University) (2013).

WORK EXPERIENCE

- Assistant professor- faculty of information technology, Ajloun national university. [06 / October/ 2024 - Till now
- Assistant professor- Faculty of Artificial Intelligence, Egyptian Russian University, Egypt.
- Assistant professor- Al-Alson High Institute for computer science. [11 / March / 2023 - 30 / September/ 2024]
- Lecturer- Al-Alson High Institute for computer science. [16 / March / 2019 - 10 / May/ 2023]
- Demonstrator (Master student) - Al-Alson High Institute for computer science. [20 / February / 2017 - 15 / March/ 2019]
- Demonstrator (Master student) - Science Valley Academy. [01 / January/ 2014 - 10 / February/ 2017]

PROFESSIONAL ACTIVITIES

- Member of Monitoring and Examinations Committee. Science Valley Academy.
- Member of Authority of Youth and Sports Welfare. Science Valley Academy.
- Member of the Quality Committee. Al-Alson High Institute for computer science.
- Member of the Committee of E-Learning. Alson High Institute for computer science.

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SKILLS

- work under pressure
- Project management
- Complex problem solver
- problem solver
- keeping team work spirit.

Languages

Arabic
English.

CONTINUED PROFESSIONAL ACTIVITIES

- Participate in coordination 4th International Conference on Environmental Sciences in Faculty of Science, Zagazig University, February 2019. "Basic sciences and their applications to preserve the environment and sustainable development".
- The Tenth Young Researchers Conference - Suez Canal University, March 2023. "Horizons of The Scientific Research and the new Republic".
- Reviewer in several specialized scientific journals
- IEEE Access.
- Signals, Image and video processing.
- Computer Systems Science and Engineering.
- Peer J Computer Science.
- Sinai International Scientific Journal.

REFEREED INTERNATIONAL JOURNALS

1. Nabila H. Shikoun; Ahmed Salem Al-Eraqi; Islam S. Fathi. (2024). **BinCOA: An Efficient Binary Crayfish Optimization Algorithm for Feature Selection**. IEEE Access, 12, 28621 - 28635.(Q1)

2. Gaber Hassan, Khalid M. Hosny, Mostafa M. Fouda,, Islam S. Fathi. (2023). **Efficient Compression of Fetal Phonocardiography Bio-Medical Signals for Internet of Healthcare Things**. IEEE Access, 11, 122991-123003. (Q1).

3. Eman Abdullah Aldakheel, Doaa Sami Khafaga, Islam S. Fathi, Khalid M. Hosny, Gaber Hassan (2023). **Efficient analysis of Large-Size Bio-Signals Based on Orthogonal Generalized Laguerre Moments of Fractional Orders and Schwarz-Rutishauser Algorithm**. Fractal and Fractional, 7(11), 826.(Q1)

4. Mohammed Aly; Abdullatif Ghallab; Islam S. Fathi. (2023). **Enhancing Online Learning with Facial Expression Recognition System in Online Learning Context Using Efficient Deep Learning Model**. IEEE Access, 11, 121419-121433.(Q1)

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CONTINUED REFEREED INTERNATIONAL JOURNALS

5. Fathi, I. S., Makhlouf, M. A. A., Osman, E., & Ahmed, M. A. (2022). **An Energy-Efficient Compression Algorithm of ECG Signals in Remote Healthcare Monitoring Systems**. IEEE Access, 10, 39129-39144. (Q1).

6. Fathi, I.S., Ahmed, M.A. & Makhlouf, M.A. (2022). **An efficient computation of discrete orthogonal moments for bio-signals reconstruction**. EURASIP Journal on Advances in Signal Processing, 104. (Q2).

7. Nabila H. Shikoun; Islam S. Fathi. (2024). **Improved Energy Valley Optimizer with Levy Flight for Optimization Problems**. IgMin Res. April 18, 2024; 2(4): 245-254.

8. Fathi, I. S., Makhlouf, M. A. & Ahmed, M. A. (2022). An Efficient Compression Technique for Foetal Phonocardiogram Signals in Remote Healthcare Monitoring Systems. Multimedia Tools and Applications. (Q2).

9. Fathi, I. S., Ahmed, M. A., Makhlouf, M. A., & Osman, E. A. (2021). **Compression Techniques of Biomedical Signals in Remote Healthcare Monitoring Systems: A Comparative Study**. International Journal of Hybrid Information Technologies, 1(1), 33-50. (Q4).

10. Islam S. Fathi, Rasha M Abo-Bakr and R. Farouk (2019) "**Solving constraint optimization problems based on improved Ant Lion Optimizer**", 4th International Conference on Environmental Sciences in Faculty of Science, Zagazig University.

11. Islam S. Fathi, Rasha M Abo-Bakr and R. Farouk (2018) "**Some Penalty-based Constraint Handling Techniques with Ant Lion Optimizer for Solving Constrained Optimization Problems**", International Journal of Computer Applications 181(30):24-36, November 2018. Published by Foundation of Computer Science (FCS), NY, USA.

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TEACHING EXPERIENCE

- Web design
- Computer skills
- Database
- Database Management Systems
- Computer Vision
- Digital Logic Design
- Pattern recognition
- Data structure
- Data Mining
- Introduction to computer programming
- Operating system
- Advanced techniques of High Dimensional Data
- Applied Data Science
- Fundamental Data Science
- Signal processing
- Image processing