Curriculum Vitae

MOHAMED ABD ELFATTAH ABD ELAZIM

Date of birth: 1st January 1984

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Web of Science Researcher   O-8105-2016

Bio

Mohamed Abd Elfattah is an assistant professor with the Department of Computer Science at the Misr Higher Institute of Commerce and Computers, Mansoura, Egypt. He obtained Master's and Ph.D. degrees in computer science from Mansoura University, Egypt, in 2013 and 2019, respectively. His research interests include data mining, intelligent computing, image processing, and data science. Abd Elfattah is a reviewer for many international conferences and journals. Abd Elfattah has published multiple publications, including papers in international conference proceedings. His publications have appeared in international journals, conferences, and publishing houses such as Elsevier, IEEE, and Springer.

DEGREES

Faculty of computers and information science, Mansoura university	
Ph.D. in computer science	**2019**
Masters in computer science	**2013**
Diploma in computer Science	**2008**
Faculty of Specific Education, Tanta University, Tanta city, Egypt.	
Bachelor's in education technology	**2004**
Grade: Very Good	

CAREER EXPERIENCE

- Computer science department, **Cairo Higher Institute for Engineering, Computer Science and Management, Cairo, Egypt.**

  Assistant Lecturer (March 2014 till August 2015)

- Computer science department, **Misr Higher Institute for Commerce and Computer, Mansoura, Egypt**

  Assistant Lecturer (September 2015 till March 2020)

- Computer science department, **Misr Higher Institute for Commerce and Computer, Mansoura, Egypt**

  Assistant Prof. (March 2020 till now)

TEACHING EXPERIENCE

1- **Arab Academy for Science, Technology & Maritime Transport, part time, 2020-2021.**

2- **Misr University for Science and Technology, College of Information Technology, part time, 2021-2022.**

3- **Mansoura university, faculty of science, Mathematics dept, part Time (2022-2023).**

4- **Academic courses**

1. Computer Organization and Assembly language.

2. Advanced Software Engineering

3. Operating Systems.

4. Advanced database systems.

5. Analysis and design of algorithms.

6. Web Design and Programming.

7. System Analysis and design.

8. Multimedia.

ACADEMIC EXPERIENCE A N D ACTIVITIES

1. Supervising graduation projects of undergraduate for *Management Information System* (MIS) and *Computer Science* (CS) students.

2. Coordinator of the first training week Entitled "The *New Republic and Information Literacy* ", MET, Mansoura, September 2021.

3. Participation in *the international publishing program for social and human sciences* at Mansoura University 2023. Artificial Intelligence Part.

4. Participation in the round table "**Preparing a National Charter for the Ethical Use of Artificial Intelligence Technologies in Egypt**", July 2023, Safir Hotel, Cairo.

5. Attending and judging projects in the **First conference for graduation projects**, Faculty of Information Technology, Misr University for Science and Technology, 6th of October City, 2023.

6. Participation in arbitration of Air Defense College (ADC) projects 2023.

7. Attendance at the **IEEE Computer Society R8 Digital Transformation Workshop**, Nile University, 2023.

8. Participation in giving a lecture entitled **"on the Practical Procedures of Electronic Litigation"**, Egyptian Society for Political Economics, Statistics and Legislation. Sept. 2023

9. Participation in many international conferences.

10. Participation in the *12th Mansoura University Book Fair as the MET institute's* coordinator from October 23 to November 2, 2023.

11. Participation in panel discussion as a speaker entitled "Digital and Electronics Reflection on Business and Sustainability, *GenZeurs Hackathon: Business Strategy for Digital and Electronics Pre-Startups!,* Nile University, November 2023.

12. Delivered a lecture titled "*Innovation in scientific research; uses of Overleaf program to make it easier* "at the Faculty of Medicine, Mansoura University, on February 19, 2024.

RESEARCH INTERESTS

1. Artificial Intelligence.
2. Pattern Recognition and Intelligent Systems.
3. Computer-Aided Detection and Diagnosis
4. Machine Learning and Deep Learning.
5. Data Science.

International Conferences

1. **Publicity chairs** and **Local arrangement Committee Chairs** with **_AISI 2023_**: 9th International Conference on Advanced Intelligent Systems and Informatics, Port Said University, 20-21 September 2023.
2. **Technical Program committee:** 14th International Conference on Electrical Engineering (**ICEENG**), 2024, **Military Technical College.**
3. **Track chair:** The International Telecommunications Conference **ITC-EGYPT'2024** ITC-Egypt 2024. **Egyptian Military Academy, Air Defense College.**
4. **Publicity chair and Local arrangement Committee Chair: AISI2024 · 10**th International Conference on Advanced Intelligent Systems and Informatics

REVIEWER FOR JOURNALS

1. Applied Soft Computing (Elsevier).
2. Measurement (Elsevier).
3. Pattern Recognition letters (Elsevier, UK).
4. IEEE Access (IEEE, US)
5. Computers in Biology and Medicine (Elsevier)
6. Machine Vision and Applications (Springer)
7. Multimedia Tools and Applications (Springer)
8. Visual Computer (Springer)
9. Neural Computing and Applications (Springer)
10. Complex & Intelligent Systems (Springer)
11. Engineering Applications of Artificial Intelligence (Elsevier)
12. Artificial Intelligence Review (Springer)
13. Scientific report (Springer)

PUBLICATIONS (2020 TILL NOW)

JOURNALS

1. Abdel-Basset, Mohamed, Hossam Hawash, Nour Moustafa, Imran Razzak, and **Mohamed Abd Elfattah**. "**Privacy-preserved learning from non-iid data in fog-assisted IoT: A federated learning approach**." Digital Communications and Networks (2024). (**IF = 7.9, Q1**).
2. Abdel-Basset, Mohamed, Mai Mohamed, Ahmed Abdel-Monem, and **Mohamed Abd Elfattah**. "**New extension of ordinal priority approach for multiple attribute decision-making problems: design and analysis**." Complex & Intelligent Systems 8, no. 6 (2022): 4955-4970. (**IF = 5.8, Q2**).
3. A. Elazab, **M. AbdElfattah.** Y. Zhang*. " **Novel Multi-Site Graph Convolutional Network with Supervision Mechanism for COVID-19 Diagnosis from X-ray Radiographs**". Applied Soft Computing, vol. 114, 108041, Jan **2022**. (**IF = 8.263 , Q1**).
4. Salem, Hanaa, Mahmoud Y. Shams, Omar M. Elzeki, **Mohamed Abd Elfattah**, Jehad F Al-Amri, and Shaima Elnazer. "**Fine-Tuning Fuzzy KNN Classifier Based on Uncertainty Membership for**

the Medical Diagnosis of Diabetes." Applied Sciences 12, no. 3 (2022): 950. (**IF = 2.838, Q2**).

5. Shams, Mahmoud Y., Omar M. Elzeki, Lobna M. Abouelmagd, Aboul Ella Hassanien, **Mohamed Abd Elfattah**, and Hanaa Salem. "**HANA: a healthy artificial nutrition analysis model during COVID-19 pandemic**." Computers in Biology and Medicine 135 (2021): 104606. (**IF = 6.698, Q1**).

6. Elzeki, Omar M., Mahmoud Shams, Shahenda Sarhan, Mohamed Abd Elfattah, and Aboul Ella Hassanien. "**COVID-19: a new deep learning computer-aided model for classification**." PeerJ Computer Science 7 (2021): e358. (**IF = 2.411, Q3**).

7. Elzeki, Omar M., **Mohamed Abd Elfattah**, Hanaa Salem, Aboul Ella Hassanien, and Mahmoud Shams. "**A novel perceptual two layer image fusion using deep learning for imbalanced COVID-19 dataset**." PeerJ Computer Science 7 (2021). (**IF = 2.411, Q3**).

CONFERENCES

8. Shams, M. Y., O. M. Elzeki, **Mohamed Abd Elfattah**, Lobna M. Abouelmagd, Ashraf Darwish, and Aboul Ella Hassanien. "**Impact of COVID-19 Pandemic on Diet Prediction and Patient Health Based on Support Vector Machine**." *In International Conference on Advanced Machine Learning Technologies and Applications*, pp. 64-76. Springer, Cham, 2021.

BOOK CHAPTERS

9. Shams, M. Y., O. M. Elzeki, **Mohamed Abd Elfattah**, T. Medhat, and Aboul Ella Hassanien. "**Why are generative adversarial networks vital for deep neural networks? A case study on COVID-19 chest X-ray images**." In Big data analytics and artificial intelligence against COVID-19: innovation vision and approach, pp. 147-162. Springer, Cham, 2020.

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