

Mutaz Abdel Wahed

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Education:

PhD.: 2007, *Majoring in Computer Networks Security*. Thesis title: "*Methodological-algorithmic analysis and evaluation of the Reliability and fault tolerance system of Distributed Local Area Network*". Department of Computer Networks, HSE Moscow.

MSc.: 1999, Engineering & Technologies.

Saint-Petersburg Electrotechnical University, Saint-Petersburg (LETI).

BSc.: 1997, Engineering & Technologies.

Saint-Petersburg Electrotechnical University, Saint-Petersburg (LETI).

Experience - Teaching (Full-Time):

Sep 2008 – present: Assistant Professor / Faculty of Information Technology, Jadara University.

I taught the following courses:

➤ Cybersecurity Fundamentals	➤ Computer Organization and Architecture
➤ Cybersecurity Ethics	➤ Operating Systems
➤ Computer Networks (switching and Routing)	➤ Programming Language I&II (C++, Java, PHP)
➤ Wireless Networks	➤ Object Oriented Programming Using C++, Java
➤ Networks Security	➤ Web programming (HTML, PHP, JavaScript)
➤ Networks Programming (Sockets)	➤ Databases (SQL, MYSQL)
➤ Computer Networks Design and Management	➤ Introduction to IT
➤ Computer Network Protocols	➤ Modeling and Simulation (Python, Arena, Any Logic, by hand, and Excel)
➤ Networks Modeling and Simulation	➤ Computer Skills
➤ Discrete Structures	➤ Graduation Projects & Training
➤ Digital Logic Design	➤ Introduction to Programming
➤ Introduction to Programming	

○ **Oct. 2007 – Jan 2008:** Part Time Instructor in the following courses to students at both the undergraduate and postgraduate levels:

- Digital Logic Design and LAB.
- Computer Organization and Architecture.
- Discrete Mathematics.
- Computer Networks Fundamentals.

Experience - Industry:

○ **Oct. 2001 – Jun 2003:** Networks and R&D Department, Al-Afif Company, Jeddah, KSA

- Installation and configuration LANs, Wi-Fi networks.
- Evaluating and monitoring network traffic regarding to security regulations.
- Follow-up the performance of the company network and ISP connections.

Experience - Administration:

Sep.2010–Oct.2012: *Chairman of Software Engineering Department*, Faculty of Information Technology, *Jadara University/ Jordan*.

Feb.2010–Oct.2012: *Chairman of Computer Science Department*, Faculty of Information Technology, *Jadara University/ Jordan*.

Oct.2016–Sep.2018: *Chairman of Computer Networks Department*, Faculty of Information Technology, *Jadara University/ Jordan*.

Oct.2022–present: *Chairman of Computer Networks and Cybersecurity Department*, Faculty of Information Technology, *Jadara University/ Jordan*.

Publications:

No.	Publications
1	Mohammad, A. A. S., Shelash Mohammad, S. I., Vasudevan, A., Maniam, V. A., et al. (2026). Protection and analysis of healthcare data in cloud computing environments: A comprehensive review of security measures and analytical methods. In <i>Artificial Intelligence for Agile Business Solutions</i> .
2	Mohammad, A. A. S., Vasudevan, A., Al-Daoud, K. I., Abdel Wahed, M., et al. (2026). The evolution and impact of information management in computer science: A comprehensive research analysis. In <i>Artificial Intelligence for Agile Business Solutions</i> .
3	Shlash, A., Vasudevan, A., Mohammad, S. I., Al-Daoud, K., Al-Momani, A. M., et al. (2026). The evolution of cybersecurity behavior studies: Insights from a bibliometric perspective. In <i>Artificial Intelligence for Agile Business Solutions</i> .
4	Mohammad, A. A. S., Vasudevan, A., Mohammad, S. I. S., Al-Daoud, K. I., Balakrishnan, R., et al. (2026). The impact of big data on computer science: A comprehensive analysis. In <i>Artificial Intelligence for Agile Business Solutions</i> .
5	Mohammad, A. A. S., Vasudevan, A., Mohammad, S. I. S., Al-Daoud, K. I., Balakrishnan, R., et al. (2026). Genomic frontiers: Decoding the next-generation sequencing revolution through advanced data analytics. In <i>Artificial Intelligence for Agile Business Solutions</i> .
6	Shlash, A., Mohammad, S. I. S., Vasudevan, A., Maniam, V. A., et al. (2026). Bridging AI and business intelligence for enhanced sales strategies in healthcare. In <i>Artificial Intelligence for Agile Business Solutions</i> .
7	Mohammad, A. A. S., Vasudevan, A., Al-Daoud, K. I., Mohammad, S. I. S., Kutieshat, R. J., et al. (2026). The development and prospect of computer networks: An all-inclusive research review. In <i>Artificial Intelligence for Agile Business Solutions</i> .
8	Mohammad, A. A. S., Vasudevan, A., Al-Daoud, K. I., Mohammad, S. I. S., Ling, A. W. P., et al. (2026). Management information systems to business intelligence: Travel through changing information requirements. In <i>Artificial Intelligence for Agile Business Solutions</i> .
9	Mohammad, A. A. S., Al-Daoud, K. I., Vasudevan, A., Mohammad, S. I. S., Abdel Wahed, M., et al. (2026). An in-depth review of mathematical modeling's journey and applications in computer science. In <i>Artificial Intelligence for Agile Business Solutions</i> .
10	Shlash, A., Mohammad, S. I. S., Vasudevan, A., Maniam, V. A., et al. (2026). Unravelling the changing information science. In <i>Artificial Intelligence for Agile Business Solutions</i> .
11	Mohammad, A. A. S., Al-Daoud, K. I., Vasudevan, A., Mohammad, S. I. S., Alzboon, M. S., et al. (2026). The travel of data mining and its ripple in computer science. In <i>Artificial Intelligence for Agile Business Solutions</i> .
12	Shlash, A., Al-Daoud, K. I., Mohammad, S. I. S., Alzboon, M. S., et al. (2026). Cybersecurity techniques for protection of big data in business intelligence systems: Consequences on profitability and efficiency. In <i>Artificial Intelligence for Agile Business Solutions</i> .
13	Mohammad, A. A. S., Vasudevan, A., Al-Daoud, K. I., Mohammad, S. I. S., Alzboon, M. S., et al. (2026). The evolution and impact of computer simulation: A comprehensive research analysis. In <i>Artificial Intelligence for Agile Business Solutions</i> .
14	Shlash, A., Mohammad, S. I. S., Vasudevan, A., Abdel Wahed, M., et al. (2026). The computational transformation of social science research: A comprehensive bibliometric analysis. In <i>Artificial Intelligence for Agile Business Solutions</i> .
15	Mohammad, A. A. S., Shelash, S. I., Vasudevan, A., Tee, M., et al. (2026). The path and effects of computer software: An all-inclusive research approach. In <i>Artificial Intelligence for Agile Business Solutions</i> .
16	Shlash, A., Vasudevan, A., Mohammad, S. I. S., Balakrishnan, R., et al. (2026). Business intelligence in healthcare: Transforming data into strategic value. In <i>Artificial Intelligence for Agile Business Solutions</i> .
17	Shlash, A., Al-Sawaie, K. M., Al-Daoud, K., Abdel Wahed, M., et al. (2026). The effect of oil prices and the government expenditure on inflation. In <i>Artificial Intelligence for Agile Business Solutions</i> .
18	Mohammad, A. A. S., Mohammad, S. I. S., Al-Daoud, K. I., Vasudevan, A., Alzboon, M. S., et al. (2026). The evolution and impact of virtual reality in computer science: A comprehensive analysis. In <i>Artificial Intelligence for Agile Business Solutions</i> .
19	Shlash, A., Al-Daoud, K. I., Mohammad, S. I. S., Prasad, R. D. P., et al. (2026). Factors influencing intention to use AI in auditing practices: Evidence from Jordan. In <i>Artificial Intelligence for Agile Business Solutions</i> (Chapter).
20	Shlash, A., Al-Daoud, K. I., Vasudevan, A., Abdel Wahed, M., et al. (2026). Comparative analysis of mathematics research in English and Chinese: A bibliometric study (2010–2025). In <i>Artificial Intelligence for Agile Business Solutions</i> .
21	Shlash, A., Vasudevan, A., Al-Daoud, K. I., Abdel Wahed, M., et al. (2026). The evolution and future of human–computer interaction: A comprehensive research analysis. In <i>Artificial Intelligence for Agile Business Solutions</i> .
22	Wahed, M. A. (2026). Hybrid econometric and machine learning approaches for robust anomaly detection. In <i>Robust Methods for Anomaly Detection in Econometrics</i> (Vol. 1, p. 38).
23	Wahed, M. A. (2026). Real-time federated learning for autonomous defense robots: Enhancing distributed threat detection and response. <i>Journal of Information & Knowledge Management</i> , 25(01), 2550073.
24	Mowafaq Alzboon, Hussam Al-Shorman, Sabha Alka'awneh, Seyed Saatchi, Muhyeeddin Alqaraleh, Enas Samara, Mutaz Abdel Wahed, Sulieman Mohammad, Ala'a M. Al-Momani & Ayman Abu Haija (2025). The role of perceived trust in embracing artificial intelligence technologies: Insights from SMEs. Springer.
25	Saatchi, S. G., Wahed, M. K. Y. A., Alqaraleh, M. K. S., Al-Shorman, H. M., Alanazi, T., et al. (2025). The influence of compatibility on the acceptance of artificial intelligence in Kuwaiti universities. In <i>Intelligence-Driven Circular Economy: Regeneration Towards Sustainability</i> .
26	Al-Shorman, H. M., Saatchi, S. G., Alanaziand, T., Alzboon, M. S., et al. (2025). Evaluating artificial intelligence integration in education through integrating TAM and S–O–R. In <i>Intelligence-Driven Circular Economy: Regeneration Towards Sustainability</i> .
27	Alka'awneh, S. M. N., Halim, H. A., Wahed, M. K. Y. A., Alqaraleh, M. K. S., Alzboon, M. S., et al. (2025). Perceived security and privacy in artificial intelligence adoption: Extending TAM in the context of Jordanian SMEs. In <i>Intelligence-Driven Circular Economy</i> .

	<i>Regeneration Towards Sustainability.</i>
28	Wahed, M. K. Y. A., Al-shanableh, N., Saatchi, S. G., thwaib, B. M. S. A., et al. (2025). The influence of relative advantage on the acceptance of artificial intelligence in Jordanian SMEs. In <i>Intelligence-Driven Circular Economy: Regeneration Towards Sustainability.</i>
29	Wahed, M. A., Alqaraleh, M., Salem Alzboon, M., & Al-Batah, S. M. (2025). Evaluating AI and machine learning models in breast cancer detection: A review of convolutional neural networks (CNN) and global research trends. <i>LatIA.</i>
30	Wahed, M. A., Alqaraleh, M., Alzboon, M. S., & Al Batah, M. S. (2025). Application of artificial intelligence for diagnosing tumors in the female reproductive system: A systematic review. <i>Multidisciplinar (Montevideo)</i> , 15.
31	Wahed, S. A., & Wahed, M. A. (2025). AI-driven digital well-being: Developing machine learning model to predict and mitigate internet addiction. <i>LatIA</i> , 73.
32	de la Salud, R. C., & de la Inteligencia, T. I. (2025). AI Rx: Revolutionizing healthcare through intelligence, innovation, and ethics. <i>Seminars in Medical Writing and Education</i> , 4(35), 35.
33	Wahed, S. A. W. A., Shdefat, R. S., & Wahed, M. A. (2025). A machine learning model for diagnosis and differentiation of schizophrenia, bipolar disorder and borderline personality disorder. <i>LatIA</i> , 3, 133.
34	Wahed, M. A., & Wahed, S. A. (2025). Assessing internet addiction levels among medical students in Jordan: Insights from a cross-sectional survey. <i>International Journal of Advanced Health Science and Technology</i> , 5(1), 12-18.
35	Wahed, M. A., Wahed, S. A., & Alzoubi, A. E. (2025). AI-driven cybersecurity for telemedicine: Enhancing protection through autonomous defense systems. In <i>AI-Driven Security Systems and Intelligent Threat Response Using Autonomous Defense.</i>
36	Wahed, M. A., & Wahed, S. A. (2025). Autonomous defense systems for surgical robots: Ensuring cybersecurity in robotic-assisted surgery. In <i>AI-Driven Security Systems and Intelligent Threat Response Using Autonomous Defense.</i>
37	Wahed, S. A., & Wahed, M. A. (2025). Machine learning-based prediction and classification of psychiatric symptoms induced by drug and plants toxicity. <i>SAP Gamification and Augmented Reality</i> , 3, 107.
38	Wahed, S. A., & Wahed, M. A. (2025). AI-deep learning framework for predicting neuropsychiatric outcomes following toxic effects of drugs on the brain. <i>Multidisciplinar (Montevideo)</i> , 3, 1.
39	Wahed, S. A., & Wahed, M. A. (2025). Predicting post-surgical complications using machine learning models for patients with brain tumors. <i>International Journal of Open Information Technologies</i> , 13(4), 43-48.
40	Wahed, M. A., Alzoubi, A. E., Wahed, S. A., & Kursheva, J. (2025). AI-driven approach to predict high-risk newborns to reduce NICU admission overcrowding. In <i>2025 1st International Conference on Computational Intelligence Approaches...</i>
41	Wahed, M. A. (2025). AI-enhanced threat intelligence for proactive zero-day attack detection. <i>Gamification and Augmented Reality</i> , 3, 2.
42	Wahed, S. A., & Wahed, M. A. (2025). Automated detection of histological hallmarks in frontotemporal lobar degeneration using deep learning. <i>International Journal of Advanced Health Science and Technology</i> , 5(3), 91-96.
43	Wahed, S. A., Wahed, M. A., & Alzoubi, A. E. (2025). Optimizing colorectal cancer treatment with unconventional therapies: A data-driven AI approach for comprehensive image-based evaluation and treatment ranking. In <i>2025 1st International Conference on Computational Intelligence Approaches...</i>
44	Wahed, M. A. (2025). Enhanced machine learning algorithm for detection and classification of phishing attacks. <i>International Journal of Open Information Technologies (INJOIT)</i> , 13(1), 1-6.
45	Wahed, M. A., Halasa, A., & Alzboon, M. S. (2025). Enhancing real-time detection of distributed denial of service (DDoS) attacks on IoT infrastructure. In <i>2025 5th International Conference on Emerging Smart Technologies and Applications.</i>
46	Wahed, M. A. (2025). Artificial intelligence techniques for classification of regular and irregular tire wear. In <i>2025 Intelligent Technologies and Electronic Devices in Vehicle and Road Transport Complex (TIRVED).</i>
47	Wahed, M. A., & Wahed, S. A. (2025). Predicting postoperative complications in glioblastoma patients using machine learning models. <i>SAP Health and Policy</i> , 4, 406.
48	Wahed, M. A. (2025). AI, quantum computing, and beyond: Assessing future cybersecurity threats and risk management strategies. <i>SAP Gamification and Augmented Reality</i> , 3, 264.
49	Wahed, S. A., & Wahed, M. A. (2025). Optimizing antibiotics prophylaxis in neurosurgery through machine learning: Predicting infections and personalizing treatment strategies. <i>SAP Gamification and Augmented Reality</i> , 3, 108.
50	Wahed, M. A., & Wahed, S. A. (2025). Bi-directional AI framework for differentiate psychiatric disorders and predicting symptoms from drug-induced neurotoxicity. <i>Multidisciplinar (Montevideo)</i> , 3, 230.
51	Wahed, S. A., & Wahed, M. A. (2025). A deep learning framework for unraveling toxicokinetic-neuropsychiatric interactions. <i>International Journal of Open Information Technologies</i> , 13(7), 77-82.
52	Wahed, M. A., Alzboon, M. S., Alqaraleh, M., Ayman, J., Al-Batah, M., & Bader, A. F. (2025). Automating web data collection: Challenges, solutions, and Python-based strategies for effective web scraping. In <i>7th International Conference on Internet Applications, Protocols, and Services.</i>
53	Wahed, M. A., Alzboon, M. S., Alqaraleh, M., Halasa, A., Al-Batah, M., & Bader, A. F. (2025). Comprehensive assessment of cybersecurity measures: Evaluating incident response, AI integration, and emerging threats. In <i>7th International Conference on Internet Applications, Protocols, and Services.</i>
54	Wahed, M. A., Alzboon, M. S., Alqaraleh, M., Al-Batah, M., Bader, A. F., & Wahed, S. A. (2025). Enhancing diagnostic precision in pediatric urology: Machine learning models for automated grading of vesicoureteral reflux. In <i>7th International Conference on Internet Applications, Protocols, and Services.</i>
55	Alzboon, M. S., Alqaraleh, M., Wahed, M. A., Alourani, A., Bader, A. F., & Al-Batah, M. (2025). AI-driven UAV distinction: Leveraging advanced machine learning. In <i>7th International Conference on Internet Applications, Protocols, and Services.</i>

56	Alqaraleh, M. (2024). Emerging technologies in the Middle East: Artificial intelligence adoption and performance expectancy in Jordanian SMEs. <i>Studies in Computational Intelligence</i> .
57	Al-Shanableh, N. (2024). Impact of user interface attractiveness on the willingness to use artificial intelligence among Jordanian SMEs. <i>Studies in Computational Intelligence</i> .
58	Alqaraleh, M., Alzboon, M. S., Al-Batah, M. S., Wahed, M. A., Abuashour, A., et al. (2024). Harnessing machine learning for quantifying vesicoureteral reflux: A promising approach for objective assessment. <i>International Journal of Online & Biomedical Engineering</i> , 20(11).
59	Muhyeeddin, A., Mowafaq, S. A., Al-Batah, M. S., & Mutaz, A. W. (2024). Advancing medical image analysis: The role of adaptive optimization techniques in enhancing COVID-19 detection, lung infection, and tumor segmentation. <i>LatLA</i> , 2, 74.
60	Al-Batah, M. S., Al-Kwaldeh, E. R., Wahed, M. A., Alzyoud, M., & Al-Shanableh, N. (2024). Enhancement over DBSCAN satellite spatial data clustering. <i>Journal of Electrical and Computer Engineering</i> , 2024(1), 2330624.
61	Wahed, M. A. (2024). Real-time intrusion detection and traffic analysis using AI techniques in IoT infrastructure. In <i>1st International Conference on Emerging Technologies for Dependable Internet of Things</i> .
62	Wahed, M. A., Alzboon, M. S., Alqaraleh, M., Halasa, A., Al-Batah, M., & Bader, A. F. (2024). Technological innovations in autonomous vehicles: A focus on sensor fusion and environmental perception. In <i>2024 7th International Conference on Internet Applications, Protocols, and Services</i> .
63	Alsadi, J., Alawneh, A., Khatatbeh, A. A., Abdel Wahed, M., Alseafan, M., et al. (2024). Evaluating processing parameter effects on polymer grades and plastic coloring: Insights from experimental design and characterization studies. <i>Polymers</i> , 16(23), 3409.
64	Alsadi, J., Al Btoush, F. A. M., Alawneh, A., Khatatbeh, A. A., Alseafan, M., et al. (2024). Optimization of execution microscopic extrusion parameter characterizations for color polycarbonate grading: General trend and Box–Behnken designs. <i>Applied Sciences</i> , 14(11), 4848.
65	Alrashdan, M. T., Wahed, M. A., & Aljawarneh, N. M. (2024). The impact of encrypted data confidentiality in the accounting management system performance in terms of employees' passion and customer trust. <i>International Journal of Advances in Soft Computing & Its Applications</i> , 16(2).
66	Alrashdan, M. T., Wahed, M. A., Aljarrah, E., Tubishat, M., & Aljawarneh, N. M. (2024). The impact of data recovery criteria, data backup schedule and data backup processes on the efficiency of data recovery management in data centers. <i>International Journal of Data and Network Science</i> , 8(4), 2539-2546.
67	Al-Batah, M. S., Zabian, A., & Wahed, M. A. (2011). Suitable features selection for the HMLP network using circle segments method. <i>European Journal of Scientific Research</i> , 67(1), 52-65.

Certifications:

- ✓ Cybersecurity Fundamentals (IBM) 2026
- ✓ CC Certified in Cybersecurity (CC) (ISC²) 2026
- ✓ Fortinet Certified Associate in Cybersecurity (Fortinet) 2026
- ✓ Networking Devices and Initial Configuration (CISCO Networking Academy) 2026
- ✓ Fortinet Certified Fundamentals in Cybersecurity. (Fortinet)
- ✓ Python Essentials. (CISCO Networking Academy)
- ✓ Purchasing management course using computer (University of Jordan).
- ✓ PLC (programmable logic controller) (Jordan E-Association).
- ✓ ISO 9000 & internal auditing (University of Jordan).
- ✓ Technical writing reports (Arabic/English) (Jordan E-Association).
- ✓ Comprehensive management course (Jordan E-Association).
- ✓ Android training program (Jordan E-Association).
- ✓ PHP I: Foundation (USAID).
- ✓ PHP II: Higher Structures (USAID).
- ✓ PHP Test Prep: 5.3 Certification Training (USAID).
- ✓ TOT and Communication Skills (USAID).
- ✓ Instructional Design (USAID).

Membership:

- **IEEE Member.**
- **IEEE Jadara Student Branch Counselor**

Research Interests: Network Traffic Analysis, Network Fault Detection, AI and machine learning, Cybersecurity, and Computer Network Security