

Date: 1/9/2025

CURRICULUM VITAE BRIEF

PERSONAL INFORMATION

Faculty Member Name: **Prof. HUSAM AHMAD AL HAMAD**
Academic Rank: Professor
College: IT College
Department: Data Science and Artificial Intelligence
Nationality: Jordanian
Address: Amman, Al-Joubaiha, Jordan
Phone No: +962-788-514-400
E-mail: hhamad@aau.edu.jo

ACADEMIC QUALIFICATIONS

Degrees with fields, institution, and date

- B.S. in Computer Science and Information System, Philadelphia University, 2001.
Project title: Monitoring and Controlling System.
- M.Sc. in Computer Information System, AABFS University, 2003.
Project title: Monitoring and Controlling System via Internet.
- Ph.D. in Information Systems / Artificial Intelligence, AABFS University, 2008
Dissertation title: Development of an Efficient Neural-Based Segmentation Technique for Arabic Handwriting Recognition.

ACADEMIC EXPERIENCE

Duration: May 2025 – now

- University: Amman Arab University.
- Academic Rank: Professor.
- Date the rank was granted: May 2025.
- The body granting the rank: Amman Arab University.
- College: IT College.
- Country: Jordan.

Duration: June 2019 – May 2025

- University: Amman Arab University.
- Academic Rank: Associate Professor.
- Date the rank was granted: May 2019.
- The body granting the rank: Amman Arab University.
- College: IT College.
- Country: Jordan.

Human Resources Department

Duration: September 2015 – May 2019

- University: Amman Arab University.
- Academic Rank: Assistant Professor.
- Date the rank was granted: February 2009.
- The body granting the rank: AABFS University.
- College: IT College.
- Country: Jordan.

Duration: March 2010 – September 2015

- University: Qassim University.
- Academic Rank: Assistant Professor.
- Date the rank was granted: February 2009.
- The body granting the rank: AABFS University.
- College: IT College.
- Country: Saudi Arabia.

Duration: February 2009 - January 2010

- University: AABFS University.
- Academic Rank: Assistant Professor.
- Date the rank was granted: February 2009.
- The body granting the rank: AABFS University.
- College: IT College.
- Country: Jordan.

NON-ACADEMIC EXPERIENCE

Duration: 2019 - 2025

- Institution: Amman Arab University.
- Department: College of Information Technology.
- Positions: Assistant to the President for Planning and Quality Assurance, 17/12/2019 – now.
Dean of Information Technology College 15/9/2019-22/2/2025.
- Country: Jordan.

Duration: 2017 - 2019

- Institution: Amman Arab University.
- Department: College of Information Technology.
- Positions: Head of CIS, MC, CS Departments.
Acting Dean of Scientific Research and Graduate Studies, summer semester 2018, 2019.
- Country: Jordan.

Duration: 2015 - 2017

- Institution: Amman Arab University.
- Department: College of Information Technology.
- Positions: Assistant to the Dean for Quality Assurance.
- Country: Jordan.

Duration: 2009 - 2015

- Institution: Qassim University.
- Department: College of Information Technology.
- Position: Head of Information Technology Department, Head of Strategic Plan Committee, Head of QA Committee.
- Country: Saudi Arabia.



Human Resources Department

Duration: 2004 - 2009

- Institution: AABFS University.
- Department: Information Technology Center.
- Position: System and Network Administrator.
- Country: Jordan.

Duration: 2000 - 2004

- Institution: AABFS University.
- Department: Training Institute.
- Position: Director of the Computer Department.
- Country: Jordan.

Duration: 1997 - 2000

- Institution: AABFS University.
- Department: Training Institute.
- Position: Training Programs Coordinator.
- Country: Jordan.

Duration: 1996 - 1997

- Institution: Afnan Trading Est.
- Department: Graphic Design Department.
- Position: Graphic Designer.
- Country: Jordan.

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

- Principles of leadership, Harvard business school.
- Leadership and management, British council.
- Oracle applications and PeopleSoft.
- Linux operating system.
- Managing and Implementing Oracle Administrative and Financial Solutions.
- Fundamentals of software engineering with rational technology.
- Programming using Microsoft visual basic.Net.
- Microsoft SQL server database Administration.
- Microsoft SQL Server database programming.
- International computer driving license (ICDL).
- Learning outcomes and key performance indicators (KPI).
- Achieving learning outcomes and self-study report.
- National qualifications framework.
- Jordanian accreditation for universities.

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- AI ENG International Association of Engineers.

HONORS AND AWARDS

- University award for best college in achieving performance indicators, Amman Arab University, 2023, 2024.
- University award for best college in scientific research, Amman Arab University, 2022.
- Best graduation project award, Qassim University, 2014.
- Appreciation certificate in the field of international accreditations, Qassim University, 2015
- Appreciation certificate in the field of strategic planning, Qassim University, 2015.
- Appreciation certificate in the field of quality assurance, Qassim University, 2015.

SERVICE ACTIVITIES

- Founder of the Arab Center for Document Analysis and Recognition (ACDAR).
- Reviewer for many scientific journals and local, regional and international conferences.

THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS

1. **Al Hamad H.A.**, Shehab M., Improving the Segmentation of Arabic Handwriting Using Ligature Detection Technique, (2024), 79 (2), pp. 2015 – 2034, Q1.
2. **Hamad H.A.A.**, Shehab M., Integrated multi-layer perceptron neural network and novel feature extraction for handwritten Arabic recognition, (2024), 8 (3), pp. 1501 – 1516, Q1.
3. **Alhamad H.A.**, Shehab M., Shambour M.K.Y., Abu-Hashem M.A., Abuthawabeh A., Al-Aqrabi H., Daoud M.S., Shannaq F.B., Handwritten Recognition Techniques: A Comprehensive Review, (2024), 16 (6), art. no. 681, Q1.
4. Shehab M., Shambour M.K.Y., Abu Hashem M.A., **Al Hamad H.A.**, Shannaq F., Mizher M., Jaradat G., Sh. Daoud M., Abualigah L., A survey and recent advances in black widow optimization: variants and applications, (2024), Q1.
5. Shehadeh H.A., Jebri I.H., Jaradat G.M., Ibrahim D., Sihwail R., **Al Hamad H.**, Chu S.-C., Alia M.A., Intelligent Diagnostic Prediction and Classification System for Parkinson's Disease by Incorporating Sperm Swarm Optimization (SSO) and DensityBased Feature Selection Methods, (2023), 15 (1), pp. 113 – 132, Q3.
6. **Al Hamad H.A.**, Abualigah L., Shehab M., Al-Shqeerat K.H.A., Otair M., Improved linear density technique for segmentation in Arabic handwritten text recognition, (2022), 81 (20), pp. 28531 – 28558, Q1.
7. Abualigah L., Al-Okbi N.K., Mirjalili S., Alshinwan M., **Hamad H.A.**, Khasawneh A.M., Abu-Ulbeh W., Elaziz M.A., Jia H., Gandomi A.H., Moth-Flame Optimization Algorithm, Arithmetic Optimization Algorithm, Aquila Optimizer, Gray Wolf Optimizer, and Sine Cosine Algorithm: A Comparative Analysis Using Multilevel Thresholding Image Segmentation Problems, (2022), pp. 241 – 264, Q1.
8. Abualigah L., Gandomi A.H., Elaziz M.A., **Hamad H.A.**, Omari M., Alshinwan M., Khasawneh A.M., Advances in meta-heuristic optimization algorithms in big data text clustering, (2021), 10 (2), art. no. 101, pp. 1 – 29, Q1.
9. Shehab M., Abualigah L., **Al Hamad H.**, Alabool H., Alshinwan M., Khasawneh A.M., Moth-flame optimization algorithm: variants and applications, (2020), 32 (14), pp. 9859 – 9884, Q1.

RESEARCH LINK (Scopus and Google Scholar)

- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=35781709000>
- Google Scholar: https://scholar.google.com/citations?user=YS6g_50AAAAJ

LANGUAGES

- Arabic, English.