CURRICULUM VITAE

Khulood Mohammad Jamil Abu Maria

Associate Professor/ Vice Dean of the Faculty of Science and Information Technology
Department of Artificial Intelligence /Faculty of Science and Information Technology,
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1. **Personal Data**

   Date of Birth: Mar. 30.1971
   Nationality: Jordanian

2. **Education**

   - Ph.D. (Computer Information Systems/AI) 2009, The Arab Academy for Management , Banking and Financial Science, Amman, Jordan

   - M.Sc. (Information Technology) 2003, Al Neelain University, Amman, Jordan

   - B.Sc. (Computer Science) 1992, Mu'tah University, Amman, Jordan

3. **Ph.D. Dissertation**

   - *"Agent-Based Emotional Intelligent Model with Applications"*, The Arab Academy for Management , Banking and Financial Science, Amman, Jordan.

4. **Employment**

   Academic Positions

   - Associate Professor, Department Artificial Intelligence, Al-Zaytoonah University of Jordan, Amman, Jordan.
     2022 - Present
   - Associate Professor, Department of Computer Information Systems, Al-Zaytoonah University of Jordan, Amman, Jordan.

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2019 –2022.
- Assistant Professor, Department of Computer Information Systems, Al-Zaytoonah University of Jordan, Amman, Jordan.
2009 – 2022.
- Al-Isra University Part-time- Assistant Prof. Of Management Information System, Amman, Jordan, 2008 – 2009.

Administrative Positions

- Vice Dean, Faculty of Science and Information Technology, Al-Zaytoonah University of Jordan, Amman, Jordan – 2020 Present
- Head of Computer Information Systems Department , Faculty of Science and Information Technology, Al-Zaytoonah University of Jordan, Amman, Jordan – 2019-2020

5. Research Interests

- Artificial Intelligent, Intelligent Agents , Agent Based Applications , Intelligent Emotions modeling , Natural Language Processing (Text Summarization), Chatbots, Information Systems, Software Engineering, Information Security, Steganograohy, E-planning and manufacturing, Simulation and Modeling, and Enterprise Resource Planning.

9. Teaching Experience

- ### *Graduate Courses*

  - Research Seminar for Master

- ### *Undergraduate Courses*

  - Information Technology
  - Information Systems
  - Decision Support System
  - Strategic Management Information System
  - Business Information Systems
  - Enterprise Resource Planning
  - E-Applications
  - Computer Applications for Management
  - System Analysis and Design
  - Object Oriented Analysis and Design (UML)
  - Software Specifications and Design
  - Project Management
  - Simulation and Modeling (Using Arena)
  - Artificial Intelligence
  - Computer Skills (Win XP and Office XP)

- Packages

10. Supervision of Graduate Research

- Co-Supervisor for Master student," An Improved Video Steganographic System Based on Exact Matching Algorithm and Random Key -Dependent Data Technique", Al-Zaytoonah University of Jordan, Jordan, 2016.

- Co-Supervisor for Master student, Arabic Multi-Document Summarization Model Using Clustering and Features Extraction Based on Parallel Techniques ", Al-Zaytoonah University of Jordan, Jordan, 2017.

11. Grants

- Al-Zaytoonah University of Jordan, Scientific Research Project - 9400 JD "Al-Zaytoonah University Inquiry Smart Chat Bot System"
- Al-Zaytoonah University of Jordan, Scientific Research Project - 16348 JD "Enhancing the teaching Process in the AI Department Using the IoT and Robotics Tools"

12. Membership of Committees
- **University**
  - Committee of Study Plan and Educational Resources
  - Committee of Examinations and Evaluation
  - Committee of Guidance, Equation, Training, and Follow-up of Graduates
  - Committee of Quality Assurance
  - Committee of Scientific Research
  - Member of the following up of Kaffaa Exam committee
  - Marketing Committee of the CIS Department
  - Quality Studies Audit and Evaluation Committee
  - Committee for Opening Grievance and Suggestions in the College
  - Committee for International Accreditations
  - Committee of the University Website
  - Committee of Computing
  - CIS Department Representative in the College Council
  - College Representative in the University Council
  - Member of the e-Learning Council and its Resources

13. Professional and Scientific Meetings

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Scientific Meetings Organized

- **Colloquium Chair:** the 1st Information Technology Colloquium 2010-ITC'10, Faculty of Science and IT, Al Zaytoonah Uni. of Jordan- 20th April 2010.
- **Colloquium Chair:** the 2nd Information Technology Colloquium 2012-ITC'12, Faculty of Science and IT, Al Zaytoonah Uni. of Jordan- 17th April 2012.
- **Colloquium Chair:** the 3rd Information Technology Colloquium 2014 - ITC'14, Faculty of Science and IT, Al Zaytoonah Uni. of Jordan- will be on 6th May 2014.
- **Publicity Committee:** The 8th International Conference on Information Technology - ICIT'2017 – Al Zaytoonah University – Jordan, May 2017.
- **Track Chair**: 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), Jordan, April 2019.
- **Co-Chair:** The 10th International Conference on Information Technology - ICIT 2021– Al Zaytoonah University – Jordan, July 2021.

Participation in Scientific meetings

- Participate in the 9th International Conference on Information Technology, ICIT 2019, Data Science, AL-Zaytoonah University of Jordan, Amman – Jordan, April 2019.
- Participate in the 8th International Conference on Information Technology, ICIT 2017, AL-Zaytoonah University of Jordan, Amman – Jordan, May 2017.
- Participate in the 10th International Conference on Information Technology, ICIT 2021, AL-Zaytoonah University of Jordan, Amman – Jordan, July 2021.

14. Publications

Papers Presented at International Conferences:

- Sana'a J.Khalaf and **Khulood Abu Maria**, "*An Empirical Study of XP: the case of Jordan*," Information and Multimedia Technology, 2009. ICIMT '09, Jeju Island, South Korea, December 18 - 19, 2009.

- Mossab N. Ibrahim, **Khulood Abu Maria,** and Khalid Mohammad Jaber, "*A Comparative Study for Arabic Multi-Document Summarization Systems (AMD-SS)*," 2017. The 8th International Conference on Information Technology (ICIT), May 17-18, 2017.

- M. A. Alia, **Khulood A. Maria**, M. A. Alsarayreh, E. A. Maria and S. Almanasra, "*An Improved Video Steganography: Using Random Key-Dependent*," 2019 IEEE Jordan International Joint Conference on Electrical

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Engineering and Information Technology (JEEIT)*, Amman, Jordan, 2019, pp. 234-237.

- Nagham A Al-Madi, **Khulood Abu Maria**, Mohammad Azmi Al-Madi, Mohammad Ahmad Alia, Eman Abu Maria,"*An Intelligent Arabic Chatbot System Proposed Framework*", 2021 International Conference on Information Technology (ICIT), 592-597.

Papers Presented at International Journals:

- **Khulood Abu Maria** and Raed Abu Zatir, "*Emotional Agents: A Model and an Application*," International Journal of Information and Software Technology, an Elsevier Publishing Journal, Volume 49, Issue 06, 2007.
- **Khulood Abu Maria** and Raed Abu Zatir, Chapter XV: "*Emotional Agent Modeling (EMAM)*," in a book published by IGI Inc.: "Simulation and Modeling: Current Technologies and Applications," 2007.
- **Khulood Abu Maria** and Raed Abu Zatir, Chapter 6: "*Modeling of Artificial Emotions and its Application Towards a Healthy Environment*," "in a book published by Traylor & Francis:" Environmental Management, Sustainable Development, and Human Health," 2008, Editor was Mattheus (Theo) Goosen, NYIT University.
- Mohammad A. Alia, Adnan A. Hnaif, Hayam K. Al-Anie, **Khulood Abu Maria**, Ahmed M. Manasrah, M. Imran Sarwar, "*A Novel Header Matching Algorithm for Intrusion Detection Systems*," International Journal of Network Security & Its Applications (IJNSA), Volume 03, Number 04, 2011.
- Abdallah A. Hlayel**, Khulood Abu Maria**, "*A New Modified Approach Using Best Candidates Method for Solving Linear Assignment Problems*," International Journal of Engineering Science and Technology (IJEST),Volume 5 Number 05, p1137, 2013.
- Maher A. Alsarayreh, Mohammed A. Alia, and **Khulood Abu Maria,** "*A Novel Image Steganographic System Based on Exact Matching Algorithm and Key-Dependent Data Technique*," Journal of Theoretical and Applied Information Technology, Volume 95, Number 05, 2017.
- **Khulood Abu Maria**, Nagham A. A. , Tarek Kanan and Eman Abu Maria, "*Using Cognitive Agent in Manufacturing Systems*," Journal of Theoretical and Applied Information Technology, Volume 95, Number 10, 2017.
- **Khulood Abu Maria**, Khalid Mohammad Jaber, and Mossab Nabil Ibrahim, "*A New Model For Arabic Multi-Document Text Summarization*," International Journal of Innovative Computing, Information, and Control (IJICIC), Volume 14, Number 4, 2018.
- Nagham A. AL-Madi, **Kholoud A. Abu Maria**, Eman A. Abu Maria and Mohammad A. AL-Madi,"*A Structured-Population Human Community Based Genetic Algorithm (HCBGA) in a comparison with both the Simple*

Genetic Algorithm (SGA) and the Cellular Genetic Algorithm (CGA)", ICIC Express Letters, Volume 12, Number 12, 2018.

- Eman Abu Maria, **Khulood Abu Maria,** and Mohammad Ahmad Alia, "*Smart Agents in the Business Information System,*" ICIC Express Letters, Volume 13, Number 10, 2019.

- Tarek Kanan , Bilal Hawashin, Shadi Alzubi, Eyad Almaita, Ahmad Alkhatib, **Khulood Abu Maria**, Mohammed Elbes," *Improving Arabic Text Classification Using P-Stemmer*", Recent Advances in Computer Science and Communications, Volume 13, September, 2020.

- Ahmad Alkatib, **Khulood Abu Maria,** Shadi AlZu'bi, Eman Abu Maria, "*Novel System for Road Traffic Optimisation in Large Cities*", IET Smart Cities, Volume 4, June, 2022.