

CURRICULUM VITAE

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1. Personal Data

Date of Birth: 15/5/1983
Nationality: Jordanian

2. Education

- Master. (**Computer Science**) 2009, Jordan University of Science and Technology. Jordan, Irbid, Jordan.
- B.Sc. (**Computer Science**) 2005, Jordan University of Science and Technology. Jordan, Irbid, Jordan.



3. Employment

Academic Positions

- 2021-Present. Instructor, Computer Science Department, AL-Zaytoonah University of Jordan, Amman, Jordan,
- 2019-2021. Instructor, Basic Science Department, AL-Zaytoonah University of Jordan, Amman, Jordan,
- 2017-2019 Instructor, Software Engineering Department, AL-Zaytoonah University of Jordan, Amman, Jordan,
- 2014-2017 Instructor, Basics Science Department, AL-Zaytoonah University of Jordan, Amman, Jordan,
- 2010-2011(Spring Semester) Instructor -part time, Irbid National University, Irbid, Jordan.
- 2010-2011 (Fall Semester) Instructor -part time, Jordan University of Science and Technology, Irbid, Jordan.
- 2009-2010 (Fall Semester) Instructor -part time, Yarmouk University, Irbid, Jordan.
- 2009-2010 (Fall and Spring Semesters) Instructor -part time, Irbid National University, Irbid, Jordan.

4. Research Interests: Query for Math Search, Data Mining, Discrete mathematics.

5. Teaching Experience

- *Undergraduate Courses*

Introduction to Information Technology, Java Programming, Programming Principles, Discrete mathematics, HTML, Computer Skills,

6. Publications

- Papers in refereed journals
1. Mohammed.Q. Shatnawi; Marwan T. Alquran; **Fatima M Quiam:** "Expanded Grammar for Detecting Equivalence in Math Expressions", International Journal of Computer Applications. Vol. 43(15) (2012) pp. 44-51(USA).



2. Maher A. Nabulsi; Ahmad AA Alkatib; **Fatima M. Quiam**: “*A New Method for Boolean Function Simplification*”, International Journal of Control and Automation. Vol. 10(12) (2017) pp. 139-146(Austria).
 3. Nesreen Hamad, **Fatima M. Quiam**, and Khalid M. Jaber: “*Methods and Evaluations of Decision Tree Algorithms on GPUs: an Overview*”, Journal of Research and Surveys on Innovative Computing, Information and Control. Vol. 12(7) (2018).
 4. **Fatima M. Quiam**, Maher A. Nabulsi, Sokyna Al-Qatawneh: “*Verifying the Validity of Implications that Involve Quantifiers using the Simplification and Logical Inference Methods*”, Journal of Research and Surveys on Innovative Computing, Information and Control. Part B: Applications. Vol. 10 (7) (2019).
 5. Ala Mughaid, Ibrahim Obaidat, Ashraf Aljammal, Shadi AlZu’bi, **Fatima Quiam**, Dena Abu Laila, Aseel Al-zou’bi, Laith Abualigah: “*Simulation and analysis performance of ad-hoc routing protocols under DDoS attack and proposed solution*”, International Journal of Data and Network Science. Vol.7 (2023)
- Conference Presentations
 - 1- Jaber, K, Hamad, N A. , **Quiam, F**; A Framework for Query Optimization Algorithms for Biological Data , In the 5th International Conference on Computational and Experimental Science and Engineering (ICCESN-2018), 12-16 October 2018, Antalya, Turkey.
 - 2- **Fatima M. D. Quiam**, Assal A. M. Alqudah, Maher A. Nabulsi, Shadi AlZu'bi: Examining the Validity of Inference Rules: Utilizing Truth Tables and Contrapositive Analysis (ICIT 2023) Amman, Jordan, 2023, pp. 620-624.
 3. Assal A. M. Alqudah, Mohammad A. M. Alshraideh, Ahmad A. S. Sharieh, Mohammad A. M. Abushariah, **Fatima M. D. Quiam**: Arabic Automatic Speech Recognition for Speakers With Speech Disorders: A Comprehensive Review (ICIT 2023) Amman, Jordan, 2023, pp. 667-673.