Date: 13/4/2025

CURRICULUM VITAE

PERSONAL INFORMATION

Faculty Member Name: Manar Abduljabbar Ahmad Mizher
Academic Rank: Assistant Professor
College: Information Technology
Department: Cyber Security
Nationality: Jordanian
Address: Amman
Phone No: 0789115778
E-mail: mmizher@aau.edu.jo

ACADEMIC QUALIFICATIONS

Degrees with fields, institution, and date

- B.S. in Computer Science, Al-Zaytoonah University of Jordan, 2005.
- M.Sc. in Computer Science, University of Jordan, 2010.
- PhD in Computer Science / Visual Informatics and its Security, Universiti Kebangsaan Malaysia (UKM), 2019.

PhD. Dissertation title: Passive Object-Based Video Authentication Using a Combination of Action Keyframes and Stereo Statistical Descriptor on Wavelet Decomposition
MSc. Dissertation title: Advanced dynamic Sink Location for Clustered WSN

ACADEMIC EXPERIENCE

10/2019 – Present
University: Amman Arab University
Academic Rank: Assistant Professor
Date of Rank Award: 2019
Granting Institution: Amman Arab University
Faculty: Information Technology
Country: Jordan

09/2005 – 11/2006
University: Al-Balqa Applied University
Academic Rank: Lecturer
Faculty: Qurtuba University College
Country: Kingdom of Saudi Arabia

Non-Academic Experience

09/2023 – Present
Institution: Amman Arab University
Department: Cybersecurity
Country: Jordan

11/2018 – 02/2019
Institution: Qatar University
Department: College of Engineering for Research and Graduate Studies / Kindi Center for Research
Country: Qatar

Certifications or Professional Registrations

- None

Current Membership in Professional Organizations

- None

Honors and Awards

- Acquired funding as the project PI in the communications and information technology sector (3D Assets Encryption and Summarization in Metaverse) – Jordan Scientific Research Support Fund (SRSF)/The Higher Education Ministry – 2023 – Jordan
- Young Writer Merit Award, 5th International Visual Informatics Conference (IVIC'17), November 2017, Putrajaya, Malaysia

Service Activities

- Organizing and delivering numerous educational and administrative workshops within the university for colleagues, students, and the local community.
- Chairing and serving as a member of several committees at the department, faculty, and university levels.
- Member of various councils at the department, faculty, and university levels.

The most Important Publications in last five years

Books

1. **Object-Based Video Authentication Technology**
   Year: 2023 — *Publisher:* Penerbit UKM — *Relation:* First author

Journal Articles

2. **3D GLB Object Extraction Scheme for Encrypting Metaverse Assets**
   Journal: Cyber Security and Applications — *Year:* 2025, *Status:* Submitted revised copy (SRSF Project) — *Indexing:* Scopus Q1
3. **The Impact of Metaverse and VR Technologies Integration on Undergraduate Education: A Case Study at Amman Arab University**

Journal: Human Behavior and Emerging Technologies — *Year:* 2025, *Status:* Under review (SRSF Project) — *Indexing:* Scopus Q1

4. **A Survey and Recent Advances in Black Widow Optimization: Variants and Application**
   Journal: Neural Computing and Applications — *Year:* 2024 — *Pages:* 1–21, *Indexing:* Scopus Q1

5. **Enhancing Cloud Gaming Performance through Game Object-aware Encoding and Macroblock Classification**
   Journal: Journal of Information Hiding and Multimedia Signal Processing — *Year:* 2023 — *Vol:* 14 (4), pp. 158–171, *Indexing:* Scopus Q3

6. **A Novel Color Visual Cryptography Approach Based on Harris Hawks Optimization Algorithm**
   Journal: Symmetry — *Year:* 2023 — *Volume:* 15, Issue 7, Article 1305, *Indexing:* Scopus Q1

7. **Optimization of Video Cloud Gaming Using Fast HEVC Video Compression Technique**
   Journal: International Journal of Advances in Soft Computing and its Applications — *Year:* 2021 — *Volume:* 13, Issue 3, pp. 249–265, *Indexing:* Scopus Q3

8. **Efficient Video Encoding Acceleration for Cloud Gaming**
   Journal: Journal of Theoretical and Applied Information Technology — *Year:* 2020 — *Vol:* 98, No. 18 *Indexing:* Scopus Q4

9. **An Improved Simple Flexible Cryptosystem for 3D Objects with Texture Maps and 2D Images**
   Journal: Journal of Information Security and Applications — *Year:* 2019 — *Vol:* 47, pp. 390–409 *DOI:* 10.1016/j.jisa.2019.06.005 — *Indexing:* Scopus Q1

10. **A Simple Flexible Cryptosystem for Meshed 3D Objects and Images**
    Journal: Journal of King Saud University – Computer and Information Sciences — *Year:* 2019 *DOI:* 10.1016/j.jksuci.2019.03.008 — *Indexing:* Scopus Q1

11. **An Improved Action Key Frames Extraction Algorithm for Complex Colour Video Shot Summarization**
    Journal: Journal of Information and Communication Technology (JICT) — *Year:* 2019 — *Vol:* 18 (2), pp. 143–166, *Indexing:* Scopus Q1

Conference Proceedings

1. A Review of Cybersecurity for Internet-of-Things Based on Next Generation Healthcare Networks
   Conference: AIP Conference Proceedings — Year: 2023, Volume 2979, Issue 1, Indexing: Scopus Q4, AIP Conference Proceedings

2. Integrating Cybersecurity Factors with TAM Framework for Implementation in the Jordanian Banks
   Conference: AIP Conference Proceedings — Year: 2023, Volume 2979, Issue 1, Indexing: Scopus Q4, AIP Conference Proceedings

3. Three Dimensional Objects Encryption Algorithms: A Review
   Conference: International Conference on Information Technology (ICIT2023) — Year: 2023, Pages 435–440, Indexing: Scopus, IEEE Xplore

4. Passive Object-Based Video Authentication Using Stereo Statistical Descriptor on Wavelet Decomposition
   Conference: International Conference on Information Technology (ICIT2021) — Year: 2021 Pages 791–798, Indexing: Scopus, IEEE Xplore

5. A Review of Mobile Cloud Computing in Education During the COVID-19 Pandemic in Jordan
   Conference: 4th International Conference on Communication, Technology and Management (ICCTME) — Year: 2021, Pages 187–193, Indexing: Scopus, ACM Digital Library

INSTITUTIONAL PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS

- Experience in teaching, curriculum development, and designing modern study materials, as well as evaluating student progress.
- Participation in professional and extracurricular activities, committees, and contributing to enhancing educational quality.
- Managing academic department operations, updating study plans, and ensuring compliance with Jordanian accreditation standards.
- Contributing to the college's interview and appointment committee, supporting recruitment and staffing decisions.
- Member of the College Council, contributing to strategic decision-making.
- Coordinating with the Jordanian National Qualifications Framework (QA), the National Cybersecurity Center, Al Hussein Technical University (HTU), and EC-Council.

RESEARCH LINK (Scopus and Google Scholar)

- **Google Scholar:** https://scholar.google.com/citations?user=x79M7y8AAAAJ&hl=en
- **Scopus:** https://www.scopus.com/authid/detail.uri?authorId=56580381100
- **Research Gate:** https://www.researchgate.net/profile/Manar_Mizher
- **LinkedIn:** https://jo.linkedin.com/in/manar-mizher-973754lab
- **ORCID:** https://orcid.org/0000-0002-2307-2053

LANGUAGES

- Arabic Language – Native
- English Language – Advanced Level