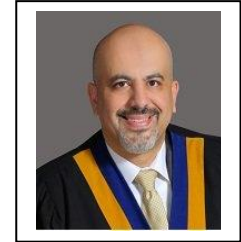


Date: 20/4/2025



CURRICULUM VITAE

PERSONAL INFORMATION

Faculty Member Name: Rami salah Eddin Sihwail
Academic Rank: Assistant Professor
College: College of Information Technology
Department: Cyber Security
Nationality: Jordan
Address: Amman
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ACADEMIC QUALIFICATIONS

Degrees with fields, institution, and date

- B.S. in program, university, year.
- M.Sc. in program, university, year.

Project / theses title:

- Ph.D. in program, university, year.

Dissertation title:

ACADEMIC EXPERIENCE

10/2021 - Now

- University: Amman Arab University
- Academic Rank: Assistant Professor
- Date the rank was granted: 10/2021
- The body granting the rank: Amman Arab University
- College: College of Information Technology
- Country: Jordan

02/2010 – 09/2019

- University: King Faisal University University
- Academic Rank: Lecturer
- College: College of Information Technology
- Country: Saudi Arabia

02/2005 – 10/2010

- University: Emirates College of Technology
- Academic Rank: Lecturer
- College: College of Information Technology
- Country: United Arab Emirates

09/2007 – 08/2008

- University: Higher Colleges of Technology
- Academic Rank: Lecturer
- College: College of Information Technology
- Country: United Arab Emirates

08/2001 – 08/2004

- Saudi school in Kuala Lumpur
- Academic Rank: Lecturer
- College: College of Information Technology
- Country: United Arab Emirates

NON-ACADEMIC EXPERIENCE

1999 – 2001

- Company: Global Business
- Department: Programming
- Country: Jordan

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

- Python
- Ethical Hacker

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- IEEE
- EC-Council

HONORS AND AWARDS

- Best teacher award/ 2019

SERVICE ACTIVITIES

- A workshop titled "Awareness of Cybersecurity Risks" / Regular Schools / Jordan / 2022.

- A workshop titled "Forensic Evidence" / Ayla International Schools / Jordan / 2024.

THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS

- Sihwail, Rami, and Dyala Ibrahim. "A New Image Encryption Method Using an Optimized Smart Codebook." Human Behavior and Emerging Technologies 2025.1 (2025): 7807003
- Sihwail, Rami, Mariam Al Ghamri, and Dyala Ibrahim. "An Enhanced Model of Whale Optimization Algorithm and K-nearest Neighbors for Malware Detection." International Journal of Intelligent Engineering & Systems 17.3 (2024).
- Shehab, Mohammad, Rami Sihwail, Mohammad Daoud, Hani Al-Mimi, and Laith Abualigah. "Nature-inspired metaheuristic algorithms: a comprehensive review." (2024).
- Shehadeh, Hisham A., Iqbal H. Jebril, Ghaith M. Jaradat, Dyala Ibrahim, Rami Sihwail, Husam Al Hamad, and Mohammad A. Alia. "Intelligent Diagnostic Prediction and Classification System for Parkinson's Disease by Incorporating Sperm Swarm Optimization (SSO) and Density-Based Feature Selection Methods." International Journal of Advances in Soft Computing & Its Applications 15, no. 3 (2023).
- Ibrahim, Dyala, Rami Sihwail, Khairul Akram Zainol Arrifin, Ala Abuthawabeh, and Manar Mizher. "A novel color visual cryptography approach based on Harris Hawks Optimization Algorithm." Symmetry 15, no. 7 (2023): 1305.
- Said Solaiman, Obadah, Rami Sihwail, Hisham Shehadeh, Ishak Hashim, and Kamal Alieyan. "Hybrid Newton–sperm swarm optimization algorithm for nonlinear systems." Mathematics 11, no. 6 (2023): 1473.
- Sihwail, Rami, Obadah Said Solaiman, and Khairul Akram Zainol Ariffin. "New robust hybrid Jarratt-Butterfly optimization algorithm for nonlinear models." Journal of King Saud University-Computer and Information Sciences 34, no. 10 (2022): 8207-8220.
- Jaradat, Ghaith, Mohammad Shehab, Dyala Ibrahim, Saif Najdawi, and Rami Sihwail. "Deep Learning Approaches for Detecting Cyberbullying on Social Media." Journal of Computational and Cognitive Engineering (2022).
- Al Ghamri, Mariam, Dyala Ibrahim, Rami Sihwail, and Mohammad Shehab. "Whale Optimization Algorithm for Feature Selection Enhances Classification in Malware Datasets." Journal of Computational and Cognitive Engineering (2022).
- Sihwail, R., Solaiman, O., Omar, K., Akram, K. & Alswaiti, M. A Hybrid Approach for Solving Systems of Nonlinear Equations Using Harris Hawks Optimization and Newton's Method. IEEE Access 9. 95791-95807. (2021).
- Elgamal, Z. M., Yasin, N. M., Sabri, A. Q. & Sihwail, R. Improved Equilibrium Optimization Algorithm Using Elite Opposition-Based Learning and New Local Search Strategy for Feature Selection in Medical Datasets. Computation 9(6): 68. (2021).

- Sihwail, R., Omar, K. & Ariffin, K. A. Z. An Effective Memory Analysis for Malware Detection and Classification. Computers, Materials & Continua, 67(2): 2301–2320. (2021).
- Sihwail, R., Omar, K., Akram, K. & Mohammed, T. Improved Harris Hawks Optimization Using Elite Opposition-Based Learning and Novel Search Mechanism for Feature Selection. IEEE Access 8: 121127–121145. (2020).
- Sihwail, R., Omar, K., Zainol Ariffin, K. & Al Afghani, S. Malware Detection Approach Based on Artifacts in Memory Image and Dynamic Analysis. Applied Sciences, 9(18): 3680. (2019).

RESEARCH LINK (Scopus and Google Scholar)

- <https://scholar.google.com/citations?hl=en&user=VbI0NvIAAAAJ>
- <https://www.scopus.com/authid/detail.uri?authorId=57204360185>

LANGUAGES

- English
- Arabic