

Dr. Yasir Abdelgadir Mohamed

Associate Professor | Information Technology

Google Scholar: <https://scholar.google.com/citations?user=Qd5NMS4AAAAJ&hl=en>

IEEE Explore: <https://ieeexplore.ieee.org/author/38186987300>

Scopus: [Mohamed, Yasir Abdelgadir - Author details - Scopus Preview](#)

Web of Science: [Researcher Search - Web of Science Researchers](#)

Researchid: <https://researchid.co/yasir.abdulgadir>

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Professional Summary

Dr. Yasir Abdelgadir Mohamed is an accomplished academic and researcher with over two decades of experience in higher education. Specializing in networking protocols, cybersecurity, and Information Technology, he has made significant contributions to his field through research, teaching, and international collaborations.

Education:

- **Ph.D. in Information Technology**
Universiti Teknologi PETRONAS, Malaysia, 2010
 - **M.Sc. in Computer Engineering & Networks**
University of Gezira, Sudan, 2003 (CGPA 3.72/4)
 - **B.Sc. in Computer Engineering Technology**
University of Gezira, Sudan, 2001 (CGPA 3.46/4)
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Research Interests:

- Networking Protocols
 - Network Security & Administration
 - Cybersecurity in MANETs
 - Wireless Sensor Networks
 - Cloud Computing & Data Integrity
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Work Experience:

Assistant Professor

A'Sharqiyah University, Oman

September 2022 – Present

University of Buraimi, Oman

Dec 2021 – Aug 2022

Karary University (Assistant Prof: 2011 - 2016) (Associate Prof. 2017-2021)

- Head of Computer Networks Department.
- Head of Statistics and Information Department (2017-2021)
- Head of Directorate of Information Systems (2012-2021)
- Karary University ICDL Center Manager and Quality Assurance.

Various Universities and Institutions (2011 - 2021)

- Member of Postgraduate Programs Curriculum Development Committees
- Instructor for MSc courses at multiple institutions including:
 - Alnilin University
 - University of Garden City
 - Sudan Academy of Banking and Finance
 - University of Gezira
 - Al-Mashriq University
 - Sudan University for Science and Technology
 - Future University (MSc in Data Communication and Networking)
 - Karary University (MSc in Information Security)

Teaching Assistant & Labs Supervisor

Universiti Teknologi PETRONAS, Malaysia

2008 – 2010

- Tutored undergraduate courses, and supervised labs.

Publications:

Journal Publications:

1. Muhammad Ayaz, Azween Abdullah, Ibrahima Faye, Yasir Batira, An efficient Dynamic Addressing based routing protocol for Underwater Wireless Sensor Networks, Computer

Communications, Volume 35, Issue 4, 2012, Pages 475-486, ISSN 0140-3664, <https://doi.org/10.1016/j.comcom.2011.11.014>

2. Y. A. Mohamed, A. Khanan, M. Bashir, A. H. H. M. Mohamed, M. A. E. Adiel and M. A. Elsadig, "The Impact of Artificial Intelligence on Language Translation: A Review," in *IEEE Access*, vol. 12, pp. 25553-25579, 2024, doi: 10.1109/ACCESS.2024.3366802, <https://ieeexplore.ieee.org/abstract/document/10438431>
3. Yasir Abdelgadir , Mohamed and Azween, Abdullah (2009) *Immune Inspired Approach for Securing Wireless Ad hoc Networks*. IJCSNS International Journal of Computer Science and Network Security, 6 (1). pp. 231-242. <http://scholars.utp.edu.my/id/eprint/2597/>
4. A. Khanan, Y. Abdelgadir Mohamed, A. H. H. M. Mohamed and M. Bashir, "From Bytes to Insights: A Systematic Literature Review on Unraveling IDS Datasets for Enhanced Cybersecurity Understanding," in *IEEE Access*, vol. 12, pp. 59289-59317, 2024, doi: 10.1109/ACCESS.2024.3392338. [From Bytes to Insights: A Systematic Literature Review on Unraveling IDS Datasets for Enhanced Cybersecurity Understanding | IEEE Journals & Magazine | IEEE Xplore](#)

Complete list of publications available upon request.

Conference Presentations:

1. Mohamed, Y.A., Mohamed, A.O. (2023). An Approach to Enhance Quality of Services Aware Resource Allocation in Cloud Computing. In: Al-Emran, M., Al-Sharafi, M.A., Shaalan, K. (eds) International Conference on Information Systems and Intelligent Applications. ICISIA 2022. Lecture Notes in Networks and Systems, vol 550. Springer, Cham. https://doi.org/10.1007/978-3-031-16865-9_50

DOI/URL: [An Approach to Enhance Quality of Services Aware Resource Allocation in Cloud Computing | SpringerLink](#)

2. Y. A. Mohamed and A. B. Abdullah, "Immune inspired framework for ad hoc network security," 2009 IEEE International Conference on Control and Automation, Christchurch, New Zealand, 2009, pp. 297-302, doi: 10.1109/ICCA.2009.5410147.

DOI/URL: [Immune inspired framework for ad hoc network security | IEEE Conference Publication | IEEE Xplore](#)

3. N. M. M. Alhag and Y. A. Mohamed, "An Enhancement of Data Encryption Standards Algorithm (DES)," *2018 International Conference on Computer, Control, Electrical, and Electronics Engineering (ICCCEEE)*, Khartoum, Sudan, 2018, pp. 1-6, doi: 10.1109/ICCCEEE.2018.8515843.

DOI/URL: [An Enhancement of Data Encryption Standards Algorithm \(DES\) | IEEE Conference Publication | IEEE Xplore](#)

Complete list of publications available upon request.

Research Collaborations & Visits:

- **International Islamic University (IIU), Malaysia (August 2024)**
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Professional Memberships:

- IEEE Member
 - Reviewer for some high-impact journals.
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Grants & Awards:

- Secured a 20,000 OMR grant for a project on **Integrated Healthcare Centers E-Guide System**, 2023.
 - **ITEX Bronze Medal** for innovation at the International Invention, Innovation & Technology Exhibition, Malaysia, 2010.
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Languages:

- Arabic (Native)
- English (Fluent)