Dr. Zeyad Ghaleb Aqlan Al-Mekhlafi
Associate Professor in Network and Cybersecurity
College of Computer Science and Engineering
University of Hail, Saudi Araba
Z.almekhlafi@uoh.edu.sa

EDUCATIONAL QUALIFICATIONS

January, 2018	**PhD** in Computer Network, Department of Communication Technology and Network, Universiti Ptura Malaysia UPM. Thesis: Firefly Inspired Time Synchronization Mechanism For Self-Organizing Energy Efficient Wireless Sensor Networks.
December, 2011	**Master** of Computer Network in Information Technology, Universiti Kebangsaan Malaysia UKM.
July, 2002	**Bachelor Degree** with Excellent, Computer Science, University of Science & Technology (Yemen – Taiz) 3/Third Class Honors.

PROFESSIONAL EXPERIENCE

September 2023 to Present	**Associate Professor** **University of Hail, Hail 81481, Saudi Arabia**
September 2019 to 2023	**Assistanat Professor** **University of Hail, Hail 81481, Saudi Arabia** *** Taught the following Subjects :** Discrete Structures, Probability & Statistics for Engineers, Foundation of Computer Science, Operating System, Computer Organization and Assembly Language Programming, Computer Programming I&II, Computer Networks, Operating System Security.
March 2018 to March 2019	**Assistanat Professor** **Lincoln University College (LUC) Malaysia** *** Taught the following Subjects :** Computer Network, C++, Java and Research Methodology
2004 to 2008	**Lecturer** **Aden Community College (ACC) Yemen** *** Taught the following Subjects :**

Networks Essentials , Networks Operating Systems , Computer Maintenance, C + + Language, Operating System,Java.

*** Supervisor for the following graduated Projects :**

- Hospital syste **Scopus Scopus Scopus** ms by Oracle 9i & Developer 6i .

January 2003 to September 2003

Head of Computer Maintenance in Taiz Soft Trading Co. Ltd for sell computer and Computer Maintenance

- Administrator of maintenance and Networks section for repairing, maintenance, adjustment and troubleshooting in computers and network.
- Have connected network between 25 computers distributing on three floors in Sana'a, and connected the main management to the branches in Sana'a, Taiz, Al-Hodaidah, Aden, and Ibb cities which can daily send the data to the main management(Internet Café).

SKILLS

- Able to work with the following:
  - Network LAN & WAN connecting and administrating.
  - Communication Systems.
  - S/W & H/W computers maintenance.
  - Taught QualNet simulation and EndNote program
  - Operating Systems (Windows).
  - Taught LateX program.
  - BlackBoard.
  - Taught C++, Java Cloudng, Cloud Computing and Research Methodology.
- Can speak/write English well.
- Communication and interaction in international, multicultural environments and make good public relations.
- Challenge spirit and ability for long period of time.
- Creativity, initiative, and team player.
- Able to make presentation in Arabic/English using modern techniques.

ACADEMIC WORK and ACTIVITIES

- Head of Standard 5 in the Quality Unit for Program Accreditation for Software Engineering, in College of Computer Science and Engieenring, University fo Hail.
- A organizing committee in International Conference on Advances in Cyber Security

ACeS 2021: Advances in Cyber Security.

- Head of student activities unit, in College of Computer Science and Engieenring, University fo Hail, from September 2019 to Present.
- Head of the Cyber Hub, in College of Computer Science and Engieenring, University fo Hail, from September 2019 to Present.
- Head of the Volunteer Club, in College of Computer Science and Engieenring, University fo Hail, from September 2019 to Present.
- Head of the incubator of excellence and talented, in College of Computer Science and Engieenring, University fo Hail, from September 2019 to Present.
- Head of the Media Colllege, in College of Computer Science and Engieenring, University fo Hail, from September 2019 to Present.
- A member of some competitions at the University of Hail
- A member of the Organizing Committee of the Third International Conference on Information Technology (IRICT2018), July 2018.
- A member of the Organizing Committee of the IEEE International Conference, 2016.

INTERNAL EXAMINERS

Master

- Awatef Mohammed Alrasheedi, 2022. Recognition of Arabic Letters and Numbers Sign Language Using Convolutional Neural Networks.
- Wejdan hmoud Alharbi, 2022. copy move forgery detection based on convolution neural network.
- Mashael Sulaiman Alanazi, 2023. Enhancing Data Security in the Cloud Computing Environment while using Data Mining Technique.

RESEARCH PROJECTS

- **Main Researcher Grant**
  IFP-22006
  (13-4-1444 to 13-2-1445)
  Status= Completed
  Lattice-Based Lightweight Quantum Resistant Scheme in 5G-Enabled Vehicular Networks
- **Main Researcher Grant**
  IFP-22139
  (13-4-1444 to 13-2-1445)
  Status= On-going
  Hybrid Techniques for diagnosing endoscopy images for Early detection of gastrointestinal disease Based on Fusion Features
- **Main Researcher Grant**
  RG 20 023
  (21-1-1442 to 21-1-1443)
  Status= Completed
  A Deep Leaning And Intelligent Based Detection For Clickbait And Phishing Websites In Social Media
- **Co-Researcher Grant**
  IFP-22010
  (13-4-1444 to 13-2-1445)
  Status= On-going
  Analysis of MRI Images to Early Detect and Predict Alzheimer's Disease Using Hybrid Techniques Based on Combined Features
- **Co-Researcher Grant**
  RG-20149
  (26-7-1442 to 26-7-1443)
  Status= Completed
  A New Formulation Of Deep Learning Models For Fast And Accurate Early-Stage Alzheimer's Detection System
- **Co-Researcher Grant**
  RG-21098
  (12-2-1443 to 12-2-1444)
  Status= Completed
  An Elliptic Curve Cryptography-Based Conditional Privacy-Preserving Authentication Scheme Applied To Vehicular Ad-Hoc Networks Based On Elliptic Curve Cryptography
- **Co-Researcher Grant**
  RG-20044
  Iot Based Organic Waste Management System In Ksa

(26-7-1442 to 26-7-1443)
Status= Completed

PUBLICATIONS

Zeyad Ghaleb Al-Mekhlafi, Ebrahim Mohammed Senan, Jalawi Sulaiman Alshudukhi, Badiea Abdulkarem Mohammed, Hybrid Techniques for Diagnosing Endoscopy Images for Early Detection of Gastrointestinal Disease Based on Fusion Features, International Journal of Intelligent Systems, Vol. 2023, 2023. https://doi.org/10.1155/2023/8616939	**IF: 8.993 (Q1) Scopus Thomson ISI**
Zeyad Ghaleb Al-Mekhlafi, Mahmood A Al-Shareeda, Selvakumar Manickam, Badiea Abdulkarem Mohammed, Abdulrahman Alreshidi, Meshari Alazmi, Jalawi Sulaiman Alshudukhi, Mohammad Alsaffar, Taha H Rassem, Efficient Authentication Scheme for 5G-Enabled Vehicular Networks Using Fog Computing, Sensors, Vol.23(7), PP. 3543, **2023**. https://doi.org/10.3390/s23073543	**IF: 3.847 (Q2) Scopus Thomson ISI**
Badiea Abdulkarem Mohammed, Mahmood A Al-Shareeda, Selvakumar Manickam, Zeyad Ghaleb Al-Mekhlafi, Abdulaziz M Alayba, Amer A Sallam, ANAA-Fog: A Novel Anonymous Authentication Scheme for 5G-Enabled Vehicular Fog Computing, Mathematics, Vol. 11(6), PP. 1446, **2023**. https://doi.org/10.3390/math11061446	**IF: 2.592 (Q1) Scopus Thomson IS**
Badiea Abdulkarem Mohammed, Mahmood A Al-Shareeda, Selvakumar Manickam, Zeyad Ghaleb Al-Mekhlafi, Abdulrahman Alreshidi, Meshari Alazmi, Jalawi Sulaiman Alshudukhi, Mohammad Alsaffar, FC-PA: Fog Computing-based Pseudonym Authentication Scheme in 5G-enabled Vehicular Networks, IEEE Access, vol.11, pp 8571-18581, **2023.** https://doi.org/10.1109/ACCESS.2023.3247222	**IF: 3.476 (Q2) Scopus Thomson IS**
Zeyad Ghaleb Al-Mekhlafi, Mahmood A Al-Shareeda, Selvakumar Manickam, Badiea Abdulkarem Mohammed, Abdulrahman Alreshidi, Meshari Alazmi, Jalawi Sulaiman Alshudukhi, Mohammad Alsaffar, Abdulrahman Alsewari, Chebyshev Polynomial-Based Fog Computing Scheme Supporting Pseudonym Revocation for 5G-Enabled Vehicular Networks, Electronics, Vol.12(4), PP. 872, **2023**. https://doi.org/10.3390/electronics12040872	**IF: 2.397 (Q2) Scopus Thomson IS**
Zeyad Ghaleb Al-Mekhlafi, Mahmood A Al-Shareeda, Selvakumar Manickam, Badiea Abdulkarem Mohammed, Amjad Qtaish, Lattice-Based Lightweight Quantum Resistant Scheme in 5G-Enabled Vehicular Networks, Mathematics, Vol. 11(2), PP. 399, **2023**. https://doi.org/10.3390/math11020399.	**IF: 2.592 (Q1) Scopus Thomson IS**
Nibras Abdullah, Ola A Al-wesabi, Badiea Abdulkarem Mohammed, Zeyad Ghaleb Al-Mekhlafi, Meshari Alazmi, Mohammad Alsaffar, Mahmoud Baklizi, Putra Sumari, IoT-Based Waste Management System in Formal and Informal Public Areas in Mecca, International Journal of Environmental Research and Public Health, Vol.19(20), PP. 13066, **2022**. https://doi.org/10.3390/ijerph192013066	**IF: 4.614 (Q1) Scopus Thomson IS**
Zeyad Ghaleb Al-Mekhlafi, Software-Defined Vehicular Networks (SDVN), International Journal of Computer Science and Network Security, Vol. 22 No. 9 pp. 231-243, 2022. https://doi.org/10.22937/IJCSNS.2022.22.9.33	**ISI Emerging Sources Citation Index (ESCI)**

Zeyad Ghaleb Al-Mekhlafi, Ebrahim Mohammed Senan, Badiea Abdulkarem Mohammed, Meshari Alazmi, Abdulaziz M Alayba, Abdulrahman Alreshidi, Mona Alshahrani, Diagnosis of Histopathological Images to Distinguish Types of Malignant Lymphomas Using Hybrid Techniques Based on Fusion Features, Electronics, Vol.11(18), PP. 2865, **2022**. https://doi.org/10.3390/electronics11182865	**IF: 2.397 (Q2) Scopus Thomson IS**
Badiea Abdulkarem Mohammed, Ebrahim Mohammed Senan, Zeyad Ghaleb Al-Mekhlafi, Meshari Alazmi, Abdulaziz M Alayba, Adwan Alownie Alanazi, Abdulrahman Alreshidi, Mona Alshahrani, Hybrid Techniques for Diagnosis with WSIs for Early Detection of Cervical Cancer Based on Fusion Features, Applied Sciences, Vol.12(17), PP. 8836, **2022**. https://doi.org/10.3390/app12178836	**IF: 2.679 (Q2) Scopus Thomson ISI**
Mahmood A Al-Shareeda, Selvakumar Manickam, Badiea Abdulkarem Mohammed, Zeyad Ghaleb Al-Mekhlafi, Amjad Qtaish, Abdullah J Alzahrani, Gharbi Alshammari, Amer A Sallam, Khalil Almekhlafi, Provably Secure with Efficient Data Sharing Scheme for Fifth-Generation (5G)-Enabled Vehicular Networks without Road-Side Unit (RSU), Sustainability, Vol.14(16), PP. 9961, **2022**. https://doi.org/10.3390/su14169961.	**IF: 3.889 (Q2) Scopus Thomson ISI**
Mohammad Alsaffar, Saud Aljaloud, Badiea Abdulkarem Mohammed, Zeyad Ghaleb Al-Mekhlafi, Tariq S Almurayziq, Gharbi Alshammari, Abdullah Alshammari, Detection of Web Cross-Site Scripting (XSS) Attacks, Electronics, Vol.11(14), PP. 2212, **2022.** https://doi.org/10.3390/electronics11142212.	**IF: 2.397 (Q2) Scopus Thomson IS**
Mahmood A Al-Shareeda, Selvakumar Manickam, Badiea Abdulkarem Mohammed, Zeyad Ghaleb Al-Mekhlafi, Amjad Qtaish, Abdullah J Alzahrani, Gharbi Alshammari, Amer A Sallam, Khalil Almekhlafi, Cm-cppa: Chaotic map-based conditional privacy-preserving authentication scheme in 5g-enabled vehicular networks, Sensors, Vol.22(13), PP. 5026, **2022.** https://doi.org/10.3390/s22135026	**IF: 3.847 (Q2) Scopus Thomson ISI**
Mahmood A Al-Shareeda, Selvakumar Manickam, Badiea Abdulkarem Mohammed, Zeyad Ghaleb Al-Mekhlafi, Amjad Qtaish, Abdullah J Alzahrani, Gharbi Alshammari, Amer A Sallam, Khalil Almekhlafi. Chebyshev Polynomial-Based Scheme for Resisting Side-Channel Attacks in 5G-Enabled Vehicular Networks. Applied Sciences, Vol. 12, pp. 5939, **2022.** https://doi.org/10.3390/app12125939.	**IF: 2.679 (Q2) Scopus Thomson ISI**
Ebrahim Mohammed Senan, Mukti E Jadhav, Taha H Rassem, Abdulaziz Salamah Aljaloud, Badiea Abdulkarem Mohammed, Zeyad Ghaleb Al-Mekhlafi. Early Diagnosis of Brain Tumour MRI Images Using Hybrid Techniques between Deep and Machine Learning. Computational and Mathematical Methods in Medicine, Vol. 2022, **2022**. https://doi.org/10.1155/2022/8330833.	**IF: 2.238 (Q3) Scopus Thomson ISI**
Nibras Abdullah, Ola A Al-wesabi, Badiea Abdulkarem Mohammed, Zeyad Ghaleb Al-Mekhlafi, Meshari Alazmi, Mohammad Alsaffar, Mohammed Anbar, Putra Sumari. Integrated Approach to Achieve a Sustainable Organic Waste Management System in Saudi Arabia. Foods. Vol. 11, No.9, pp. 1214, **2022**. https://doi.org/10.3390/foods11091214	**IF: 4.350 (Q1) Scopus Thomson ISI**
Zeyad Ghaleb Al-Mekhlafi1, Ebrahim Mohammed Senan, Taha H. Rassem, Badiea Abdulkarem Mohammed, Nasrin M. Makbol, Adwan	**IF: 3.78 (Q2)**

Alownie Alanazi, Tariq S. Almurayziq, Fuad A. Ghaleb. Deep Learning and Machine Learning for Early Detection of Stroke and Haemorrhage. CMC-Computers, Materials & Continua, Vol. 72, No.1, pp.775–796, **2022**. doi:10.32604/cmc.2022.024492.	**Scopus Thomson ISI**
Badiea Abdulkarem Mohammed, Zeyad Ghaleb Al-Mekhlafi. Accuracy of Phishing Websites Detection Algorithms by Using Three Ranking Techniques, IJCSNS International Journal of Computer Science and Network Security, VOL.22 No.2, pp. 272-282, **2022**. https://doi.org/10.22937/IJCSNS.2022.22.2.34.	**ISI Emerging Sources Citation Index (ESCI)**
Zeyad Ghaleb Al-Mekhlafi, Badiea Abdulkarem Mohammed, Mohammed Al-Sarem, Faisal Saeed, Tawfik Al-Hadhrami, Mohammad T. Alshammari, Abdulrahman Alreshidi, Talal Sarheed Alshammari. Phishing Websites Detection by Using Optimized Stacking Ensemble Model, CSSE-Computer Systems Science and Engineering, Vol.41, No.1, pp. 109-125, **2022**. doi:10.32604/csse.2022.020414	**IF: 1.486 (Q3) Scopus Thomson ISI**
Ahmed Mahdi Jubair, Rosilah Hassan, Hasimi Sallehudin, Zeyad Ghaleb Al-Mekhlafi, Badiea Abdulkarem Mohammed, Mohammad Salih Alsaffar. VLMOO: A framework for benchmarking Variable-length Multiobjective Optimization problems with WSN focus. Software Impacts.Vol 11, PP. 100204, **2022**. https://doi.org/10.1016/j.simpa.2021.100204.	**Scopus Elsevier**
Marwan Qaid Mohammed, Lee Chung Kwek, Shing Chyi Chua, Abdulaziz Salamah Aljaloud, Arafat Al-Dhaqm, Zeyad Ghaleb Al-Mekhlafi and Badiea Abdulkarem Mohammed. Deep Reinforcement Learning-Based Robotic Grasping in Clutter and Occlusion. Sustainability. Vol. 13(24), pp. 13686, **2021**. https://doi.org/10.3390/su132413686.	**IF: 3.251 (Q2) Scopus Thomson ISI**
Ahmed Mahdi Jubair, Rosilah Hassan, Azana Hafizah Mohd Aman, Hasimi Sallehudin, Zeyad Ghaleb Al-Mekhlafi, Badiea Abdulkarem Mohammed and Mohammad Salih Alsaffar. Optimization of Clustering in Wireless Sensor Networks: Techniques and Protocols. Applied Sciences, Vol. 11, pp. 11448, **2021**. https://doi.org/10.3390/app112311448	**IF: 2.679 (Q2) Scopus Thomson ISI**
Zeyad Ghaleb Al-Mekhlafi and Badiea Abdulkarem Mohammed. A Survey on Security Schemes based on Conditional Privacy-Preserving in Vehicular Ad Hoc Networks. IJCSNS International Journal of Computer Science and Network Security, VOL.21 No.11, pp. 105-110, **2021**. https://doi.org/10.22937/IJCSNS.2021.21.11.14	**ISI Emerging Sources Citation Index (ESCI)**
Nibras Abdullah, Ola A. Al-wesabi, Badiea Abdulkarem Mohammed, Zeyad Ghaleb Al-Mekhlafi, Meshari Alazmi, Mohammad Salih Alsaffar, Abdulaziz Salamah Aljaloud, Mahmoud Baklizi, and Putra Sumari. Improving Waste Management System Efficiency and Mobility with Efficient Path MANET. Applied Sciences, Vol. 11, pp. 11039, **2021**. https://doi.org/10.3390/app112211039.	**IF: 2.679 (Q2) Scopus Thomson ISI**
Badiea Abdulkarem Mohammed, Ebrahim Mohammed Senan,Taha H. Rassem, Nasrin M. Makbol, Adwan Alownie Alanazi, Zeyad Ghaleb Al-Mekhlafi,Tariq S. Almurayziq andFuad A. Ghaleb. Multi-Method Analysis of Medical Records and MRI Images for Early Diagnosis of Dementia and Alzheimer's Disease Based on Deep Learning and Hybrid Methods. Electronics, Vol.10(22), PP. 2860, **2021**	**IF: 2.397 (Q2) Scopus Thomson IS**
Mohammed Al-Sarem, Faisal Saeed, Zeyad Ghaleb Al-Mekhlafi, Badiea Abdulkarem Mohammed, Tawfik Al-Hadhrami, Mohammad T	**IF: 2.679 (Q2)**

Alshammari, Abdulrahman Alreshidi, Talal Sarheed Alshammari, An Improved Multiple Features and Machine Learning-Based Approach for Detecting Clickbait News on Social Networks, Applied Sciences,Vol.11, pp. 9487, **2021**.	**Scopus Thomson ISI**
Mohammed Al-Sarem, Faisal Saeed, Zeyad Ghaleb Al-Mekhlafi, Badiea Abdulkarem Mohammed, Tawfik Al-Hadhrami, Mohammad T Alshammari, Abdulrahman Alreshidi, Talal Sarheed Alshammari, An Optimized Stacking Ensemble Model for Phishing Websites Detection, Electronics, vol.10, pp. 1285,**2021.** https://www.mdpi.com/2079-9292/10/11/1285	**IF: 2.397 (Q2) Scopus Thomson ISI**
Jalawi Sulaiman Alshudukhi, ZG Al-Mekhlafi, Badiea Abdulkarem Mohammed, A Lightweight Authentication with Privacy-Preserving Scheme for Vehicular Ad hoc Networks based on Elliptic Curve Cryptography, IEEE ACCESS, vol.9, pp 15633 - 15642, **2021**. https://ieeexplore.ieee.org/abstract/document/9328770	**IF: 3.789 (Q1) Scopus Thomson ISI**
Jalawi Sulaiman Alshudukhi, ZG Al-Mekhlafi, Badiea Abdulkarem Mohammed, An Efficient Conditional Privacy-Preserving Authentication Scheme for the Prevention of Side-Channel Attacks in Vehicular Ad hoc Networks, IEEE ACCESS, vol.8, pp. 22662-4226636 , **2020**. https://ieeexplore.ieee.org/abstract/document/9298778	**IF: 3.789 (Q1) Scopus Thomson ISI**
Jalawi Sulaiman Alshudukhi, ZG Al-Mekhlafi, Badiea Abdulkarem Mohammed, Conditional Privacy-Preserving Authentication Scheme Without Using Point Multiplication Operations Based on Elliptic Curve Cryptography (ECC), IEEE ACCESS, vol.8, pp. 222032-222040, **2020**. https://ieeexplore.ieee.org/abstract/document/9294001	**IF: 3.789 (Q1) Scopus Thomson ISI**
Jalawi Sulaiman Alshudukhi, ZG Al-Mekhlafi, Mohammad T Alshammari, Badiea Abdulkarem Mohammed, Desynchronization Traveling Wave Pulse-Coupled-Oscillator Algorithm Using a Self-Organizing Scheme for Energy-Efficient Wireless Sensor Networks, IEEE ACCESS, vol.8, pp. 196223-196234, **2020**. https://ieeexplore.ieee.org/abstract/document/9241696	**IF: 3.789 (Q1) Scopus Thomson ISI**
ZG Al-Mekhlafi, ZM Hanapi, Ahmed M Shamsan Saleh, Firefly-Inspired Time Synchronization Mechanism for Self-Organizing Energy-Efficient Wireless Sensor Networks: A Survey, IEEE ACCESS, vol.7, pp. 115229—115248,**2019**. https://ieeexplore.ieee.org/abstract/document/8798605	**IF: 4.089 (Q1) Scopus Thomson ISI**
ZG Al-Mekhlafi, ZM Hanapi, M Othman, ZA Zukarnain, Ahmed M Shamsan Saleh, Random traveling wave pulse-coupled oscillator algorithm of energy-efficient wireless sensor networks, International Journal of Distributed Sensor Networks, vol. 14, **2018.** https://journals.sagepub.com/doi/full/10.1177/1550147718768991	**IF: 1.787 (Q2) Scopus Thomson ISI**
ZG Al-Mekhlafi, ZM Hanapi, M Othman, ZA Zukarnain, Travelling Wave Pulse Coupled Oscillator (TWPCO) Using a Self-Organizing Scheme for Energy-Efficient Wireless Sensor Networks, PloS one, vol. 12, pp. e0167423, **2017**. https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0167423	**IF: 3.057 (Q1) Scopus Thomson ISI**
ZG Al-Mekhlafi, ZM Hanapi, M Othman, ZA Zukarnain, Self-organizing Method for Energy-efficient Pulse Coupled Oscillator (EEPCO) in Wireless Networks, Wulfenia Journal, vol. 23, pp. 240-265, **2016**.	**IF: 2.00 (Q2) Scopus Thomson ISI**
ZG Al-Mekhlafi, ZM Hanapi, M Othman, ZA Zukarnain, A firefly-inspired scheme for energy-efficient transmission scheduling using a self-	**Scopus**

organizing method in a wireless sensor networks, Journal of Computer Science, vol. 12, pp. 482-494, **2016**
https://thescipub.com/abstract/10.3844/jcssp.2016.482.494

ZG Al-Mekhlafi, ZM Hanapi, M Othman, ZA Zukarnain, Comparative study on energy efficient in traveling wave pulse coupled oscillator for wireless sensor networks, American Journal of Applied Sciences, vol. 13, pp. 1235-1244, **2016**. **Scopus**
https://thescipub.com/abstract/10.3844/ajassp.2016.1235.1244

ZG Al-Mekhlafi, ZM Hanapi, M Othman, ZA Zukarnain, AMS Saleh, Energy Efficient on Aspect of Clock Synchronization in a Wireless Sensor Network, Journal of Applied Sciences, vol. 14, pp. 1101-1113, **2014**. https://scialert.net/fulltext/?doi=jas.2014.1101.1113 **Scopus**

ZG Al-Mekhlafi, ZM Hanapi, M Othman, ZA Zukarnain, Research and development on aspects of clock synchronization in a wireless sensor network, International Journal of Advancements in Computing Technology (IJACT), vol. 5, pp. 62-76, **2013**. **Scopus**
https://symbiosisonlinepublishing.com/computer-science-technology/computerscience-information-technology28.php

ZG Al-Mekhlafi, R Hassan and ZM Hanapi, Evaluation of the Quality of Service Parameters for Routing Protocols in Ad-Hoc Networks, International Journal of Energy Science, vol. 2, **2013.** **Scopus**
https://publons.com/publon/15876917/

Published Conference Papers

Zeyad Ghaleb Al-Mekhlafi and Badiea Abdulkarem Mohammed. Using Genetic Algorithms to Optimized Stacking Ensemble Model for Phishing Websites Detection. International Conference on Advances in Cyber Security ACeS 2021: Advances in Cyber Security. pp 447-456. **2022**. **Scopus** **Springer**
https://link.springer.com/chapter/10.1007/978-981-16-8059-5_27

Badiea Abdulkarem Mohammed and Zeyad Ghaleb Al-Mekhlafi. Optimized Stacking Ensemble Model to Detect Phishing Websites. International Conference on Advances in Cyber Security ACeS 2021: Advances in Cyber Security. pp 379-388. **2022**. **Scopus** **Springer**
https://link.springer.com/chapter/10.1007/978-981-16-8059-5_23

ZG Al-Mekhlafi, Jalawi Sulaiman Alshudukhi, Khalil Almekhlafi, Comparative study on random traveling wave pulsecoupled oscillator algorithm of energy-efficient wireless sensor networks, in Advances on Smart and Soft Computing, ed: Springer, pp. 599-609,**2021**. **Scopus** **Springer**
https://doi.org/10.1007/978-981-15-6048-4_52.

ZG Al-Mekhlafi, ZM Hanapi, M Othman, ZA Zukarnain, F Hashim, AMS Saleh. Impact of the Deafness Problem on Clock Synchronization in a Wireless Sensor Network, Proceedings of the 6th International Conference on Management of Emergent Digital EcoSystems (MEDES '14), pp. 127-132, **2014**, doi:10.1145/2668260.2668261. **Scopus**
https://dl.acm.org/doi/abs/10.1145/2668260.2668261

ZG Al-Mekhlafi and R Hassan, Evaluation study on routing information protocol and dynamic source routing in Ad-Hoc network, Proceedings of the 7th International Conference on Information Technology in Asia (CITA 11), IEEE, PP.1-4 **2011.** **Scopus**
https://ieeexplore.ieee.org/abstract/document/5999535