

Academic Resume



Madini O. Alassafi

Associate Professor, Information Technology Department

Madini O. Alassafi is an Associate Professor with the Information Technology Department and the current Vice Dean of the Faculty of Computing and Information Technology (FCIT) in King Abdulaziz University (KAU).

Contact Information.

Building 31, Room 233, Ext. 51317, Add. Vice Dean office, malasafi@kau.edu.sa.

Highest Degree.

2018, Computer Science, Cloud Computing Security, University of Southampton, UK.

Academic and Professional Experiences.

1. **2021 - Present**
Associate Professor Information Technology Department, King Abdulaziz University., , .
2. **2020 - Present**
Vice Dean and College Council Secretary -Faculty of Computing and Information Technology, KAU, KAU.
3. **2018 - 2021**
Assistant Professor, Information Technology Department, King Abdulaziz University.
4. **2018 - 2020**
Chairman of Information Technology Department, Jeddah, King Abdulaziz University..
5. **2010 - 2018**
Lecturer, Computer Skills Unit, King Abdulaziz University.
6. **2006 - 2010**
Supervisor, Computer Skills Unit, King Abdulaziz University, Saudi Arabia Jeddah, Duties include: Manages the day-to-day activities in the Unit, Supervise the execution of the policies and procedures to carry out the educational standards and goals established by Units High Supervising Committee, Coordinates schedules of classes, Proposes and executes budgets, Recruits, interviews, and hires applicants for teaching positions..
7. **2006 - 2010**
Supervisor, Computer Skills Unit, King Abdulaziz University.

Research Interests.

Cloud Security, Adoption, Migration, Risks, Distributed Systems, Machine Learning, Cloud & Internet of Things, Security Threats, Project Management.

Teaching Interests.

Security, Network, AI, Introduction to Computing, Cloud Computing.

Last Profile Update: April 24, 2024

Certifications and Trainings.

1. International Conference on Information Society, i-Society 2016.
2. In Proceedings of the 3rd International Conference on Internet of Things, Big Data and Security (IoTBDs 2018),.
3. Public Sector Cyber Security Conference: Defending the Public from CyberAttacks 17th May 2017.
4. I-Society Conference IEEE Advance Technology for Humanity, 2016.
5. 2nd International Conference on E-Education, E-Business, E-Management, and E-Learning (IC4E) , 2017.
6. Fifth International Conference on FGCT IEEE, 2016.
7. The Science Collaboration Symposium on Cyber Security, University of Manchester, 14-16 Nov 2017.
8. 2nd International Conference on the Internet of Things, Big Data and Security IoTBDs 2017.

Social, Scientific and Professional Affiliation.

1. 2018-2020, Chairman of IT Department, KAU.

Excellence Awards and Patents.

1. 2016, International, Student Award by Saudi Arabian Cultural Bureau in the UK
2. 2017, International, Excelling Students Award by The Royal Embassy of Saudi Arabia, UK.
3. 2017, Interior, One of The Excellent Students Award by University of Southampton, UK.
4. 2018, Interior, KAU President Award for Best Scientific Department in E-Learning in KAU, KSA
5. 2019, Interior, Deanship of Graduate Studies and KUA President Award for Best Postgraduate Department in KAU, KSA.
6. 2020, Interior, The best department that won the prize given by the President of the King Abdulaziz University for excellence and creativity in e-learning among 140 scientific departments in KAU.
7. 2021, Patent, FINGERPRINT ACQUISITION SYSTEM FOR CHILDREN USING MULTICAMERA ARRAY, United States Patent.
8. 2021, Patent, Fingerprint recording device with sound play element for infants, United States Patent.
9. 2021, Patent, Infant fingerprint capture device, United States Patent.
10. 2021, Patent, Fingerprint recording device for infants, United States Patent.
11. 2021, Patent, LIVENESS DETECTION IN FINGERPRINT-BASED BIOMETRIC SYSTEMS, United States Patent.

Publications.

1. Madini O. Alassafi, Muhammad Sohail Ibrahim, Imran Naseem, Rayed AlGhamdi, Reem Alotaibi, Faris A. Kateb, Hadi Mohsen Oqaibi, Abdulrahman A. Alshdadi, Syed Adnan Yusuf, "A Novel Deep Learning Architecture With Image Diffusion For Robust Face Presentation Attack Detection", Ieee Access, pp. 1-1, 2023.
DOI: [10.1109/ACCESS.2023.3285826](https://doi.org/10.1109/ACCESS.2023.3285826)
2. Xue Tian, Madini O. Alassafi, Fawaz E. Alsaadi, "An Efficient English Teaching Driven By Enterprise-Social Media Big Data: A Neural Network-Based Solution", Fractals, 2023.
DOI: [10.1142/S0218348X23401515](https://doi.org/10.1142/S0218348X23401515)
3. Fernando Serrano, Oscar Castillo, Madini Alassafi, Fawaz Alsaadi, Adil Ahmad, "Terminal Sliding Mode Attitude-Position Quaternion Based Control Of Quadrotor Unmanned Aerial Vehicle", Advances In Space Research, vol: 71, pp. 3855-3867, 2023.
DOI: [10.1016/j.asr.2023.02.030](https://doi.org/10.1016/j.asr.2023.02.030)
4. Zhongyu Chen, Ben Niu, Liang Zhang, Jinfeng Zhao, Adil M. Ahmad, Madini O. Alassafi, "Command Filtering?Based Adaptive Neural Network Control For Uncertain Switched Nonlinear Systems Using Event?Triggered Communication", International Journal Of Robust And Nonlinear Control, vol: 32, pp. 6507-6522, 2022.
DOI: [10.1002/rnc.6154](https://doi.org/10.1002/rnc.6154)
5. Qijia Yao, Hadi Jahanshahi, Irene Moroz, Stelios Bekiros, Madini O. Alassafi, "Indirect Neural-Based Finite-Time Integral Sliding Mode Control For Trajectory Tracking Guidance Of Mars Entry Vehicle", Advances In Space Research, 2022.
DOI: [10.1016/j.asr.2022.11.059](https://doi.org/10.1016/j.asr.2022.11.059)
6. Rayed AlGhamdi, Madini O. Alassafi, Abdulrahman A. Alshdadi, Mohamed M. Dessouky, Rabie A. Ramdan, Bassam W. Aboshosha, "Developing Trusted Iot Healthcare Information-Based Ai And Blockchain", Processes, vol: 11, pp. 34, 2022.
DOI: [10.3390/pr11010034](https://doi.org/10.3390/pr11010034)
7. Reem Alotaibi, Madini Alassafi, Md. Saiful Islam Bhuiyan, Rajan Saha Raju, Md Sadek Ferdous, "A Reinforcement-Learning-Based Model For Resilient Load Balancing In Hyperledger Fabric", Processes, vol: 10, pp. 2390, 2022.
DOI: [10.3390/pr10112390](https://doi.org/10.3390/pr10112390)
8. Farrukh Saleem, Abdullah Saad AL-Malaise AL-Ghamdi, Madini O. Alassafi, Saad Abdulla AlGhamdi, "Machine Learning, Deep Learning, And Mathematical Models To Analyze Forecasting And Epidemiology Of Covid-19: A Systematic Literature Review", International Journal Of Environmental Research And Public Health, vol: 19, pp. 5099, 2022.
DOI: [10.3390/ijerph19095099](https://doi.org/10.3390/ijerph19095099)
9. JUN ZENG, MADINI O. ALASSAFI, KE SONG, "Simulation Of Fuzzy Neural Network Algorithm In Dynamic Nonlinear System", Fractals, vol: 30, 2022.
DOI: [10.1142/S0218348X22401065](https://doi.org/10.1142/S0218348X22401065)
10. Bo Wang, Jinping Liu, Madini O. Alassafi, Fawaz E. Alsaadi, Hadi Jahanshahi, Stelios Bekiros, "Intelligent Parameter Identification And Prediction Of Variable Time Fractional Derivative And Application In A Symmetric Chaotic Financial System", Chaos, Solitons & Fractals, vol: 154, pp. 111590, 2022.
DOI: [10.1016/j.chaos.2021.111590](https://doi.org/10.1016/j.chaos.2021.111590)
11. Bo Wang, Jinping Liu, Madini O. Alassafi, Fawaz E. Alsaadi, Hadi Jahanshahi, Stelios Bekiros, "Intelligent Parameter Identification And Prediction Of Variable Time Fractional Derivative And Application In A Symmetric Chaotic Financial System", Chaos, Solitons & Fractals, vol: 154, pp. 111590, 2022.
DOI: [10.1016/j.chaos.2021.111590](https://doi.org/10.1016/j.chaos.2021.111590)

Publications.

12. Bo Wang, J. F. Gomez-Aguilar, Zulqurnain Sabir, Muhammad Asif Zahoor Raja, Wei-Feng Xia, Hadi Jahanshahi, Madini O. Alassafi, Fawaz E. Alsaadi, "Numerical Computing To Solve The Nonlinear Corneal System Of Eye Surgery Using The Capability Of Morlet Wavelet Artificial Neural Networks", *Fractals*, 2022.
DOI: [10.1142/S0218348X22401478](https://doi.org/10.1142/S0218348X22401478)
13. Iftikhar Ahmad, Abdul Qayyum, Brij B. Gupta, Madini O. Alassafi, Rayed A. AlGhamdi, "Ensemble Of 2d Residual Neural Networks Integrated With Atrous Spatial Pyramid Pooling Module For Myocardium Segmentation Of Left Ventricle Cardiac Mri", *Mathematics*, vol: 10, pp. 627, 2022.
DOI: [10.3390/math10040627](https://doi.org/10.3390/math10040627)
14. Qing Ding, Oumate Alhadji Abba, Hadi Jahanshahi, Madini O. Alassafi, Wen-Hua Huang, "Dynamical Investigation, Electronic Circuit Realization And Emulation Of A Fractional-Order Chaotic Three-Echelon Supply Chain System", *Mathematics*, vol: 10, pp. 625, 2022.
DOI: [10.3390/math10040625](https://doi.org/10.3390/math10040625)
15. Fawaz E. Alsaadi, Lichao Feng, Madini O. Alassafi, Reem M. Alotaibi, Adil M. Ahmad, Jinde Cao, "Stochastic Robustness Of Delayed Discrete Noises For Delay Differential Equations", *Mathematics*, vol: 10, pp. 743, 2022.
DOI: [10.3390/math10050743](https://doi.org/10.3390/math10050743)
16. Mohammad Haseeb Zafar, Imran Khan, Madini O. Alassafi, "An Efficient Resource Optimization Scheme For D2d Communication", *Digital Communications And Networks*, 2022.
DOI: [10.1016/j.dcan.2022.03.002](https://doi.org/10.1016/j.dcan.2022.03.002)
17. Tian-Chuan Sun, Amin Yousefpour, Yeliz Karaca, Madini O. Alassafi, Adil M. Ahmad, Yong-Min Li, "Dynamical Investigation And Distributed Consensus Tracking Control Of A Variable-Order Fractional Supply Chain Network Using A Multi-Agent Neural Network-Based Control Method", *Fractals*, 2022.
DOI: [10.1142/S0218348X22401685](https://doi.org/10.1142/S0218348X22401685)
18. Muhammad Mostafa Monowar, Md. Abdul Hamid, Abu Quwsar Ohi, Madini O. Alassafi, M. F. Mridha, "Autoret: A Self-Supervised Spatial Recurrent Network For Content-Based Image Retrieval", *Sensors*, vol: 22, pp. 2188, 2022.
DOI: [10.3390/s22062188](https://doi.org/10.3390/s22062188)
19. Iftikhar Ahmad, Qazi Emad Ul Haq, Muhammad Imran, Madini O. Alassafi, Rayed A. AlGhamdi, "An Efficient Network Intrusion Detection And Classification System", *Mathematics*, vol: 10, pp. 530, 2022.
DOI: [10.3390/math10030530](https://doi.org/10.3390/math10030530)
20. Qing Ding, Hadi Jahanshahi, Ye Wang, Stelios Bekiros, Madini O. Alassafi, "Optimal Reinforcement Learning-Based Control Algorithm For A Class Of Nonlinear Macroeconomic Systems", *Mathematics*, vol: 10, pp. 499, 2022.
DOI: [10.3390/math10030499](https://doi.org/10.3390/math10030499)
21. Madini O. Alassafi, Mutasem Jarrah, Reem Alotaibi, "Time Series Predicting Of Covid-19 Based On Deep Learning", *Neurocomputing*, 2022.
DOI: [10.1016/j.neucom.2021.10.035](https://doi.org/10.1016/j.neucom.2021.10.035)
22. Ziyi Liu, Hadi Jahanshahi, Christos Volos, Stelios Bekiros, Shaobo He, Madini O. Alassafi, Adil M. Ahmad, "Distributed Consensus Tracking Control Of Chaotic Multi-Agent Supply Chain Network: A New Fault-Tolerant, Finite-Time, And Chatter-Free Approach", *Entropy*, vol: 24, pp. 33, 2021.
DOI: [10.3390/e24010033](https://doi.org/10.3390/e24010033)
23. Madini O. Alassafi, "Success Indicators For An Efficient Utilization Of Cloud Computing In Healthcare Organizations: Saudi Healthcare As Case Study", *Computer Methods And Programs In Biomedicine*, 2021.
24. Madini O. Alassafi, "E-Learning; Tam; Covid-19; Kau Case Study", *Materials Today: Proceedings*, 2021.

Publications.

25. Abdullah Marish Ali, Siti Mariyam Shamsuddin, Fathy E. Eassa, Faisal Saeed, Madini O. Alassafi, Tawfik Al-Hadhrani, Ahmed M. Elmisery, "Towards An Intelligent Framework For Cloud Service Discovery", International Journal Of Cloud Applications And Computing, vol: 11, pp. 33-57, 2021.
DOI: [10.4018/IJCAC.2021070103](https://doi.org/10.4018/IJCAC.2021070103)
26. Muhammad Javed Iqbal, Muhammad Munwar Iqbal, Iftikhar Ahmad, Madini O. Alassafi, Ahmed S. Alfakeeh, Ahmed Alhomoud, Farhan Ullah, "Real-Time Surveillance Using Deep Learning", Security And Communication Networks, vol: 2021, pp. 1-17, 2021.
DOI: [10.1155/2021/6184756](https://doi.org/10.1155/2021/6184756)
27. Yi Chang, Peng Zhou, Ben Niu, Huanqing Wang, Ning Xu, M. O. Alassafi, A. M. Ahmad, "Switched-Observer-Based Adaptive Output-Feedback Control Design With Unknown Gain For Pure-Feedback Switched Nonlinear Systems Via Average Dwell Time", International Journal Of Systems Science, vol: 52, pp. 1731-1745, 2021.
DOI: [10.1080/00207721.2020.1863503](https://doi.org/10.1080/00207721.2020.1863503)
28. Madini O. Alassafi, Shumin Ha, Fawaz E. Alsaadi, Adil M. Ahmad, Jinde Cao, "Fuzzy Synchronization Of Fractional-Order Chaotic Systems Using Finite-Time Command Filter", Information Sciences, vol: 579, pp. 325-346, 2021.
DOI: [10.1016/j.ins.2021.08.005](https://doi.org/10.1016/j.ins.2021.08.005)
29. Yuzhi Chen, Pengfei Sun, Tao Sun, Madini O. Alassafi, Adil M. Ahmad, "Optimal Output Tracking Of Switched Boolean Networks", Asian Journal Of Control, 2021.
DOI: [10.1002/asjc.2509](https://doi.org/10.1002/asjc.2509)
30. Fawaz E. Alsaadi, Faisal Ali, Imran Khalid, Masood Ur Rehman, Muhammad Salman, Madini Obad Alassafi, Jinde Cao, "Quantifying Some Distance Topological Properties Of The Non-Zero Component Graph", Aims Mathematics, vol: 6, pp. 3512-3524, 2021.
DOI: [10.3934/math.2021209](https://doi.org/10.3934/math.2021209)
31. Naveed Jan, Sarmadullah Khan, Ali H. Al-Bayatti, Madini O. Alassafi, Ahmed S. Alfakeeh, Mohammad A. Alqarni, Sungchang Lee, "C2s2-Loop: Circular Chessboard-Based Secure Source Location Privacy Model Using Ecc-Alo In Wsn", Wireless Communications And Mobile Computing, vol: 2021, pp. 1-17, 2021.
DOI: [10.1155/2021/9912626](https://doi.org/10.1155/2021/9912626)
32. Shuang-Shuang Zhou, Hadi Jahanshahi, Qamar Din, Stelios Bekiros, Raúl Alcaraz, Madini O. Alassafi, Fawaz E. Alsaadi, Yu-Ming Chu, "Discrete-Time Macroeconomic System: Bifurcation Analysis And Synchronization Using Fuzzy-Based Activation Feedback Control", Chaos, Solitons & Fractals, vol: 142, pp. 110378, 2021.
DOI: [10.1016/j.chaos.2020.110378](https://doi.org/10.1016/j.chaos.2020.110378)
33. Neelum Noreen, Sellapan Palaniappan, Abdul Qayyum, Iftikhar Ahmad, Madini O. Alassafi, "Brain Tumor Classification Based On Fine-Tuned Models And The Ensemble Method", Computers, Materials & Continua, vol: 67, pp. 3967-3982, 2021.
DOI: [10.32604/cmc.2021.014158](https://doi.org/10.32604/cmc.2021.014158)
34. Syed Adnan Yusuf, Abdulrahman A. Alshdadi, Madini O. Alassafi, Rayed AlGhamdi, Abdul Samad, "Predicting Catastrophic Temperature Changes Based On Past Events Via A Cnn-Lstm Regression Mechanism", Neural Computing And Applications, 2021.
DOI: [10.1007/s00521-021-06033-3](https://doi.org/10.1007/s00521-021-06033-3)
35. Fawaz E. Alsaadi, Syed Ahtsham Ul Haq Bokhary, Aqsa Shah, Usman Ali, Jinde Cao, Madini Obad Alassafi, Masood Ur Rehman, Jamshaid Ul Rahman, "On Knowledge Discovery And Representations Of Molecular Structures Using Topological Indices", Journal Of Artificial Intelligence And Soft Computing Research, vol: 11, pp. 21-32, 2021.
DOI: [10.2478/jaiscr-2021-0002](https://doi.org/10.2478/jaiscr-2021-0002)

Publications.

36. Huan Xu, Tao Yu, Fawaz E. Alsaadi, Madini Obad Alassafi, Guidong Yu, Jinde Cao, "Some Spectral Sufficient Conditions For A Graph Being Pancyclic", Aims Mathematics, vol: 5, pp. 5389-5401, 2020.
DOI: [10.3934/math.2020346](https://doi.org/10.3934/math.2020346)
37. Moona Mazher, Abdul Qayyum, Iftikhar Ahmad, Madini O. Alassafi, "Beyond Traditional Approaches: A Partial Directed Coherence With Graph Theory-Based Mental Load Assessment Using Eeg Modality", Neural Computing And Applications, 2020.
DOI: [10.1007/s00521-020-05408-2](https://doi.org/10.1007/s00521-020-05408-2)
38. Ahmad Kamran Malik, Naina Emmanuel, Sidra Zafar, Hasan Ali Khattak, Basit Raza, Sarmadullah Khan, Ali H. Al-Bayatti, Madini O. Alassafi, Ahmed S. Alfakeeh, Mohammad A. Alqarni, "From Conventional To State-Of-The-Art Iot Access Control Models", Electronics, vol: 9, pp. 1693, 2020.
DOI: [10.3390/electronics9101693](https://doi.org/10.3390/electronics9101693)
39. Rasha Hafidh, Mhd Saeed Sharif, Ali H. Al-Bayatti, Ahmed S. Alfakeeh, Madini O. Alassafi, Mohammed A. Alqarni, "An Effective Knowledge-Based Modeling Approach Towards A &Ldquo;Smart-School Care Coordination System&Rdquo; For Children And Young People With Special Educational Needs And Disabilities", Symmetry, vol: 12, pp. 1495, 2020.
DOI: [10.3390/sym12091495](https://doi.org/10.3390/sym12091495)
40. Abdul Qayyum, Iftikhar Ahmad, Wajid Mumtaz, Madini O. Alassafi, Rayed Alghamdi, Moona Mazher, "Automatic Segmentation Using A Hybrid Dense Network Integrated With An 3d-Atrous Spatial Pyramid Pooling Module For Computed Tomography (Ct) Imaging", Ieee Access, vol: 8, pp. 169794-169803, 2020.
DOI: [10.1109/ACCESS.2020.3024277](https://doi.org/10.1109/ACCESS.2020.3024277)
41. Iordanis K. Giannopoulos, Assimakis K. Leros, Apostolos P. Leros, Georgios Tsaramirsis, Madini O. Alassafi, "Real-Time Adaptive Stochastic Control Of Smart Grid Data Traffic For Security Purposes", Sustainable Cities And Society, vol: 63, pp. 102473, 2020.
DOI: [10.1016/j.scs.2020.102473](https://doi.org/10.1016/j.scs.2020.102473)
42. Fawaz E. Alsaadi, Muhammad Salman, Masood Ur Rehman, Abdul Rauf Khan, Jinde Cao, Madini Obad Alassafi, Muhammad Javaid, "On The Geodesic Identification Of Vertices In Convex Plane Graphs", Mathematical Problems In Engineering, vol: 2020, pp. 1-13, 2020.
DOI: [10.1155/2020/7483291](https://doi.org/10.1155/2020/7483291)
43. Abdulrahman A. Alshdadi, Rubab Mehboob, Hassan Dawood, Madini O. Alassafi, Rayed Alghamdi, Hussain Dawood, "Exploiting Level 1 And Level 3 Features Of Fingerprints For Liveness Detection", Biomedical Signal Processing And Control, vol: 61, pp. 102039, 2020.
DOI: [10.1016/j.bspc.2020.102039](https://doi.org/10.1016/j.bspc.2020.102039)
44. Abdulrahman A. Alshdadi, Rayed AlGhamdi, Madini O. Alassafi, Ahmed S. Alfakeeh, Majid H. Alsulami, "A Validation Of A Cloud Migration Readiness Assessment Instrument: Case Studies", Sn Applied Sciences, vol: 2, 2020.
DOI: [10.1007/s42452-020-3162-9](https://doi.org/10.1007/s42452-020-3162-9)
45. Abdulmohsen Almalawi, Adil Fahad, Zahir Tari, Asif Irshad Khan, Nouf Alzahrani, Sheikh Tahir Bakhsh, Madini O. Alassafi, Abdulrahman Alshdadi, Sana Qaiyum, "Add-On Anomaly Threshold Technique For Improving Unsupervised Intrusion Detection On Scada Data", Electronics, vol: 9, pp. 1017, 2020.
DOI: [10.3390/electronics9061017](https://doi.org/10.3390/electronics9061017)
46. Md. Sadek Ferdous, Farida Chowdhury, Madini O. Alassafi, Abdulrahman A. Alshdadi, Victor Chang, "Social Anchor: Privacy-Friendly Attribute Aggregation From Social Networks", Ieee Access, vol: 8, pp. 61844-61871, 2020.
DOI: [10.1109/ACCESS.2020.2981553](https://doi.org/10.1109/ACCESS.2020.2981553)

Publications.

47. Fawaz E. Alsaadi, Muhammad Salman, Faisal Ali, Imran Khalid, Jinde Cao, Madini Obad Alassafi, Masood Ur Rehman, "An Algorithmic Approach To Compute The Metric Index Of Chordal Ring Networks", Ieee Access, vol: 8, pp. 80427-80436, 2020.
DOI: [10.1109/ACCESS.2020.2990913](https://doi.org/10.1109/ACCESS.2020.2990913)
48. Hany F. Atlam, Ezz El-Din Hemdan, Ahmed Alenezi, Madini O. Alassafi, Gary B. Wills, "Internet Of Things Forensics: A Review", Internet Of Things, vol: 11, pp. 100220, 2020.
DOI: [10.1016/j.iot.2020.100220](https://doi.org/10.1016/j.iot.2020.100220)
49. Syed Adnan Yusuf, Abdulrahman A. Alshdadi, Rayed Alghamdi, Madini O. Alassafi, David J. Garrity, "An Autoregressive Exogenous Neural Network To Model Fire Behavior Via A Na??Ve Bayes Filter", Ieee Access, vol: 8, pp. 98281-98294, 2020.
DOI: [10.1109/ACCESS.2020.2997016](https://doi.org/10.1109/ACCESS.2020.2997016)
50. Hany F. Atlam, Muhammad Ajmal Azad, Madini O. Alassafi, Abdulrahman A. Alshdadi, Ahmed Alenezi, "Risk-Based Access Control Model: A Systematic Literature Review", Future Internet, vol: 12, pp. 103, 2020.
DOI: [10.3390/fi12060103](https://doi.org/10.3390/fi12060103)
51. Muhammad Mostafa Monowar, Madini O. Alassafi, "On The Design Of Thermal-Aware Duty-Cycle Mac Protocol For Iot Healthcare", Sensors, vol: 20, pp. 1243, 2020.
DOI: [10.3390/s20051243](https://doi.org/10.3390/s20051243)
52. Madini O. Alassafi, Abdulrahman Alharthi, Robert J. Walters, Gary B. Wills, "Corrigendum To: 'A Framework For Critical Security Factors That Influence The Decision Of Cloud Adoption By Saudi Government Agencies' [Telematics And Informatics, 34 (2017) 996&Ndash;1010]", Telematics And Informatics, vol: 39, pp. 102, 2019.
DOI: [10.1016/j.tele.2019.04.003](https://doi.org/10.1016/j.tele.2019.04.003)
53. Ali Raza, Armughan Shakeel, Ali Altalbe, Madini O. Alassafi, Abdul Rehman Yasin, "Impacts Of Mt-Hvdc Systems On Enhancing The Power Transmission Capability", Applied Sciences, vol: 10, pp. 242, 2019.
DOI: [10.3390/app10010242](https://doi.org/10.3390/app10010242)
54. Hany F. Atlam, Ahmed Alenezi, Madini O. Alassafi, Abdulrahman A. Alshdadi, Gary B. Wills, "Security, Cybercrime And Digital Forensics For Iot", vol: 174, pp. 551-577, 2019.
DOI: [10.1007/978-3-030-33596-0_22](https://doi.org/10.1007/978-3-030-33596-0_22)
55. Ahmed Alenezi, Hany Atlam, Reem Alsagri, Madini Alassafi, Gary Wills, "Iot Forensics: A State-Of-The-Art Review, Challenges And Future Directions", 4th International Conference On Complexity, Future Information Systems And Risk, pp. 106-115, 2019.
DOI: [10.5220/0007905401060115](https://doi.org/10.5220/0007905401060115)
56. Abdulrahman Alharthi, Madini O. Alassafi, Robert J. Walters, Gary B. Wills, "Corrigendum To: An Exploratory Study For Investigating The Critical Success Factors For Cloud Migration In The Saudi Arabian Higher Education Context", Telematics And Informatics, vol: 39, pp. 103, 2019.
DOI: [10.1016/j.tele.2019.04.004](https://doi.org/10.1016/j.tele.2019.04.004)
57. Md Sadek Ferdous, Farida Chowdhury, Madini O. Alassafi, "In Search Of Self-Sovereign Identity Leveraging Blockchain Technology", Ieee Access, vol: 7, pp. 103059-103079, 2019.
DOI: [10.1109/ACCESS.2019.2931173](https://doi.org/10.1109/ACCESS.2019.2931173)
58. Madini O. Alassafi, Rayed AlGhamdi, Abdulrahman Alshdadi, Abdulwahid Al Abdulwahid, Sheikh Tahir Bakhsh, "Determining Factors Pertaining To Cloud Security Adoption Framework In Government Organizations: An Exploratory Study", Ieee Access, vol: 7, pp. 136822-136835, 2019.
DOI: [10.1109/ACCESS.2019.2942424](https://doi.org/10.1109/ACCESS.2019.2942424)
59. Mohammad Aljohani, Iftikhar Ahmad, Mohammad Basher, Madini O. Alassafi, "Performance Analysis Of Cryptographic Pseudorandom Number Generators", Ieee Access, vol: 7, pp. 39794-39805, 2019.
DOI: [10.1109/ACCESS.2019.2907079](https://doi.org/10.1109/ACCESS.2019.2907079)

Publications.

60. M. Awais, M.J. Iqbal, I. Ahmad, M. O. Alassafi, R.A. AlGhamdi, M. Basher, M. Waqas, "Real-Time Surveillance Through Face Recognition Using Hog And Feedforward Neural Networks", Ieee Access, pp. 1-1, 2019.
DOI: [10.1109/ACCESS.2019.2937810](https://doi.org/10.1109/ACCESS.2019.2937810)
61. Madini O. Alassafi, Hany F. Atlam, Abdulrahman A. Alshdadi, Abdullah I. Alzahrani, Rayed A. AlGhamdi, Seyed M. Buhari, "A Validation Of Security Determinants Model For Cloud Adoption In Saudi Organisations Context", International Journal Of Information Technology, 2019.
DOI: [10.1007/s41870-019-00360-4](https://doi.org/10.1007/s41870-019-00360-4)
62. Sabeen Tahir, Sheikh Tahir Bakhsh, Maysoon Abulkhair, Madini O Alassafi, "An Energy-Efficient Fog-To-Cloud Internet Of Medical Things Architecture", International Journal Of Distributed Sensor Networks, vol: 15, pp. 155014771985197, 2019.
DOI: [10.1177/1550147719851977](https://doi.org/10.1177/1550147719851977)
63. Imran Khan, Mohammed H. Alsharif, Mohammad Haseeb Zafar, Madini O. Alassafi, Majid Ashraf, Yongming Huang, Jeong Kim, Jin Hong Kim, "An Efficient Algorithm For Mmwave MIMO Systems", Symmetry, vol: 11, pp. 786, 2019.
DOI: [10.3390/sym11060786](https://doi.org/10.3390/sym11060786)
64. Alzahrani, Abdullah, Alharthi, A., Madini O. Alassafi, Walters, R. J., & Wills, G. B, "Gamified E-Learning Systems: A Framework For Gamified E-Learning Systems Acceptance In Saudi Arabian Universities", International Journal Of Advances In Electronics And Computer Science, (4), 33-37, 2018.
65. Hina Bhanbhro, Shah Zaman, Syed Raheel, Sheikh Tahir, Madini O.Alassafi, "Enhanced Textual Password Scheme For Better Security And Memorability", International Journal Of Advanced Computer Science And Applications, vol: 9, 2018.
DOI: [10.14569/IJACSA.2018.090730](https://doi.org/10.14569/IJACSA.2018.090730)
66. Madini O. Alassafi, "A Security Model For Cloud Computing Adoption In Saudi Arabian Government Organisations. University Of Southampton, Doctoral Thesis, 287pp", A Security Model For Cloud Computing Adoption In Saudi Arabian Government Organisations. University Of Southampton, Doctoral Thesis, 287pp, 2018.
67. Hany F. Atlam, Ahmed Alenezi, Madini O. Alassafi, Gary B. Wills, "Xacml For Building Access Control Policies In Internet Of Things", 3rd International Conference On Internet Of Things, Big Data And Security (Iotbds 2018), 2018.
68. Hany F. Atlam, Ahmed Alenezi, Madini O. Alassafi, Gary B. Wills, "Blockchain With Internet Of Things: Benefits, Challenges, And Future Directions", International Journal Of Intelligent Systems And Applications, vol: 10, pp. 40-48, 2018.
DOI: [10.5815/ijisa.2018.06.05](https://doi.org/10.5815/ijisa.2018.06.05)
69. Abdulrahman Alharthi, Madini O Alassafi, Abdullah I Alzahrani, Robert J Walters, Gary B Wills, "Critical Success Factors For Cloud Migration In Higher Education Institutions: A Conceptual Framework, Int. J. Intell. Comput. Res.(Ijicr) Volume8, Issue 1, March 2017", International Journal Of Intelligent Computing Research (Ijicr), Volume8, Issue 1, March 2017, 2017.
70. Abdulrahman Alharthi, Madini O. Alassafi, Robert J. Walters, Gary B. Wills, "An Exploratory Study For Investigating The Critical Success Factors For Cloud Migration In The Saudi Arabian Higher Education Context", Telematics And Informatics, vol: 34, pp. 664-678, 2017.
DOI: [10.1016/j.tele.2016.10.008](https://doi.org/10.1016/j.tele.2016.10.008)
71. Madini O. Alassafi, Raid K. Hussain, Ghada Ghashgari, R. J. Walters, G. B. Wills, "Security In Organisations: Governance, Risks And Vulnerabilities In Moving To The Cloud", vol: 10131, pp. 241-258, 2017.
DOI: [10.1007/978-3-319-54380-2_11](https://doi.org/10.1007/978-3-319-54380-2_11)

Publications.

72. Madini O. Alassafi, Abdulrahman Alharthi, Robert J. Walters, Gary B. Wills, "A Framework For Critical Security Factors That Influence The Decision Of Cloud Adoption By Saudi Government Agencies", *Telematics And Informatics*, vol: 34, pp. 996-1010, 2017.
DOI: [10.1016/j.tele.2017.04.010](https://doi.org/10.1016/j.tele.2017.04.010)
73. Madini Alassafi, Abdulrahman Alharthi, Ahmed Alenezi, Robert Walters, Gary Wills, "Investigating The Security Factors In Cloud Computing Adoption: Towards Developing An Integrated Framework", *International Journal Of Intelligent Computing Research (Ijicr)*, Volume 5, Issue 2, June 2016, 2016.
74. Md Sadek Ferdous, Raid Khalid Hussein, Madini O. Alassafi, Abdulrahman Alharthi, Robert J. Walters and Gary Will, "Threat Taxonomy For Cloud Of Things", 2016.
75. Madini O. Alassafi, Yousef S. Alsenani, "Inverse Matrix Using Gauss Elimination Method By Openmp", *International Journal Of Information Technology And Computer Science*, vol: 8, pp. 41-46, 2016.
DOI: [10.5815/ijitcs.2016.02.05](https://doi.org/10.5815/ijitcs.2016.02.05)
76. Abdulrahman Alharthi, Madini O. Alassafi, Robert J. Walters, Gary B. Wills, "Towards A Framework To Enable The Migration Process To Educational Clouds In Saudi Higher Education", 2016 International Conference On Information Society (I-Society), pp. 73-76, 2016.
DOI: [10.1109/i-Society.2016.7854179](https://doi.org/10.1109/i-Society.2016.7854179)
77. Madini O. Alassafi, Abdulrahman Alharthi, Robert J. Walters, Gary B. Wills, "Security Risk Factors That Influence Cloud Computing Adoption In Saudi Arabia Government Agencies", 2016 International Conference On Information Society (I-Society), pp. 28-31, 2016.
DOI: [10.1109/i-Society.2016.7854165](https://doi.org/10.1109/i-Society.2016.7854165)
78. Ahmed Albugmi, Madini O. Alassafi, Robert Walters, Gary Wills, "Data Security In Cloud Computing", 2016 Fifth International Conference On Future Communication Technologies (Fgct), pp. 55-59, 2016.
DOI: [10.1109/FGCT.2016.7605062](https://doi.org/10.1109/FGCT.2016.7605062)