9/01/2024

ACADEMIC CURRICULUM VITAE

1. Name - Surname: Fadi Alturjman

2. Title: Prof.Dr.

3. Educational Background:

Degree	Department/Program	University	Year
Bachelor's	Computer engineering	Kuwait University	2004
Master's	Computer engineering	Kuwait University	2007
PhD	Computer Science	Queen's University	2011

4. Master's / PhD Thesis

4.1.Master's Thesis Title and Thesis Advisor(s):

4.2.PhD Thesis /Medical Specialty Thesis Title and Advisor(s): Efficient deployment for wireless sensor networks in environment monitoring. Advisor: Prof. Hossam Hassanein

5. Academic Titles:

Date of Assistant Professorship:2011
Date of Associate Proferssorship:2015
Date of Professorship:2019

6. Supervised Master's and PhD Theses:

6.1. Master's Theses

- Mercel, MSc., OPTIMIZING ENERGY IN THE DIGITAL AGE:TRANSFORMER FOR SOLAR IRRADIANCE FORECAStING
- Thomas - MSc., AN AI-BASED SOLUTION FOR SWEETPOTATO LEAF DISEASE DIAGNOSIS: (AGROO AI)
- A DEEP ATTENTION FRAMEWORK FOR NETWORK ANOMALY DETECTION
- Usman, MSc., STUDENT ACADEMIC PERFORMANCE PREDICTION WITH WI-FI IoT ATTENDANCE SYSTEM
- Juanita, MSc., TRANSFORMERS IN WILDFIRE DETECTION
- Osman, MSc., PREDICT STUDENT PERFORMANCE USING DATA MINING AND MACHINE LEARNING TECHNIQUES

- Suleyman, MSc., INTELLIGENT LIGHT CONTROL IN THE IOT ERA
- Yemi Okome, Near East University, Nicosia
- Nehemiah Adeosun, Near East University, Nicosia
- Dawood Barakat, Near East University, Nicosia
- Suleeman Cabdulaahi, Near East University, Nicosia
- Bashiir Abdirahman, Near East University, Nicosia
- Maram Arto, Near East University, Nicosia
- Kemal Killic, Middle East Technical University, Nicosia
- Joel Lemayan, Antalya Bilim University, Antalya, Turkey
-

6.2. PhD Theses

- Hssana bubaker, Near East University, Nicosia
- Abdulrahman Almumani, Near East University, Nicosia
- Ramiz Salama, Near East University, Nicosia
- Naser Saleh Mohamed Naser, Near East University, Nicosia
- Mubarak Auwal, Near East University, Nicosia
- Adedoyin Hussain, Near East University, Nicosia
- Gayathri Nagasubramanian, Galgotias University, Uttar Pradesh, India
- Gurkan Celik, Akdeniz university, Turkey
- Gayathri Tilak Singh, Queen's University, Canada
- Tarek El Salti, University of Guelph, Canada

7. Publications

7.1. Articles Published in International Peer-Reviewed Journals (SCI,SSCI, AHCI, ESCI, Scopus)

1. P. Singh, R. Kumar, M. Gupta, F. Al-Turjman, "SegEIR-Net: A Robust Histopathology Image Analysis Framework for Accurate Breast Cancer Classification", Current Medical Imaging, 2024.
2. P. Chithaluru, F. Al-Turjman, R. Dugyala, T. Stephan, M. Kumard, J. Dhatterwal, "An Enhanced Consortium Blockchain Diversity Mining Technique for IoT Metadata Aggregation", Elsevier Future Generation Computer Systems, Vol. 152, pp. 239-253 2024. DOI. 10.1016/j.future.2023.10.020. (IF 10.1).
3. R. Salama, F. Al-Turjman, "Sustainable Energy Production in Smart Cities", Sustainability, 2023. DOI. 10.3390/su152216052. (IF 3.9)
4. N. Saadallah, S. Alabady, F. Al-Turjman, "Energy-Efficient Cluster Head Selection via Genetic Algorithm",Al-Rafidain Engineering Journal (AREJ), Vol. 29, No. 1, 2024.
5. T. Mishra; M. kolhar; S. Mishra; H. Mohapatra; F. Al-Turjman, "Local Features Based Evidence Glossary for Generic Recognition of Handwritten Characters", Neural Computing and Applications, 2023. DOI.10.1007/s00521-023-09051-5. (IF 6.0).
6. P. Chithaluru; F. Al-Turjman; M. Kumar; S. Kumar, T. Stephan, "An Optimized Bio-inspired Localization Routing Technique for Sustainable IIoT Networks & Green Cities", Elsevier Sustainable Cities and Society,2023. DOI. 10.1016/j.scs.2023.104722. (IF 10.7).
7. B. Alex, D. Yedurkar, F. Al-Turjman, and T. Stephan, "An IoT based Novel Hybrid Seizure Detection

Approach for Epileptic Monitoring", IEEE Transactions on Industrial Informatics, 2023. DOI: 10.1109/TII.2023.3274913. (IF 10.08).
8. F. Al-Turjman, D. Deebak, "EEI-IoT: Edge-Enabled Intelligent IoT Framework for Early Detection of COVID-19 Threats", Sensors, 2023, 23, 2995. https://doi.org/10.3390/s23062995 (IF 3.9)
9. G. Bojan, A. Rajasekaran, K. Kaliraj, Gopinath S, F. Al-Turjman, M. Kolhar, C. Altrjman, "Concerted Data Classification and Transmission Scheme for Identifying Discrete Observation Sequences in Wearable Sensor Applications", Sensors, 2023. (IF 3.9)
10. A. Ibrahim, A. Kibarer, F. Al-Turjman, S. Kaba, "Large-Scaled Detection of COVID-19 from X-ray Using Transfer Learning", International Journal of Imaging Systems and Technology, 2023. DOI. 10.1002/ima.22904.(IF 2.2)
11. A. Ibrahim, M. Ozsoz , F. Al-Turjman, "Crispr Biosensing And AI Driven Tools For Detection And Prediction of Covid-19", Journal of Experimental & Theoretical Artificial Intelligence, vol. 35, no. 4, pp. 489-505, 2023. DOI. 10.1080/0952813X.2021.1952652.
12. P. Akella, K. Rajagopal, F. Al-Turjman, "A Novel Hybrid Model for Automatic Diabetic Retinopathy Grading and Multi-Lesion Recognition Method Based on SRCNN & YOLOv3", International Journal of Nanotechnology, Vol. 20, Nos. 5/6/7/8/9/10, pp. 615-643, 2023.
13. G. Senthilkumar, F. Al-Turjman, R. Kumar, J. Ramakrishnan, "Diagnosing cardiovascular disease via intelligence in healthcare multimedia: a novel approach", International Journal of Nanotechnology, Vol. 20,Nos. 1/2/3/4, pp.182–198, 2023.
14. J. Subramani, A. M, A. Rajasekaran, F. Al-Turjman, "EPF-FDA: Efficient Pairing Free and Confidentiality Preserving Fog-Based Data Aggregation Scheme for WBANs", IEEE Instrumentation & Measurement Magazine, 2022.
15. A. Maria, J. Subramani, A. Rajasekaran, F. Al-Turjman, M. Kolhar, C. Altrjman, "Secure Key Managementbased Data Aggregation with Privacy and Confidentiality Preserving Scheme for Fog-Assisted WBANs",Human-centric Computing and Information Sciences, 2022. (IF 6.5)
16. F. Al-Turjman, D. Cacciagrano, F. Corradini, M. Marcozzi, G. Mazzante, L. Mostarda, E. Scala, and D. Sestili "Off-chain solutions for Blockchains: challenges and future directions", Security and Communication Networks, 2022.
17. P. Chithaluru, F. Al-Turjman, M. Kumar, T. Stephan, "Computational Intelligence Inspired Adaptive Opportunistic Clustering Approach for Industrial IoT Networks", IEEE Internet of Things Journal, 2023. DOI. 10.1109/JIOT.2022.3231605. (IF 10.9).
18. P. Chithaluru, F. Al-Turjman, M. Kumar, T. Stephan, "Energy-balanced Neuro-Fuzzy Dynamic Clustering Scheme for Green & Sustainable IoT based Smart Cities", Elsevier Sustainable Cities and Society, 2023. DOI.10.1016/j.scs.2022.104366. (IF 10.7).
19. A. Guru, B. Mohanta, H. Mohapatra, F. Al-Turjman, C. Altrjman, A. Yadav, "A Survey on Consensus Protocols and Attacks on Blockchain Technology", Applied Sciences, vol. 13, no. 4, 2023. DOI. 10.3390/app13042604. (IF 2.76).
20. M. Rana, K. Mahmood, M. Saleem, F. Al-Turjman, M. Kolhar, C. Altrjman, "Towards a Provably Secure Authentication Protocol for Fog-Driven IoT-Based Systems", Applied Sciences, vol. 13, no. 3, 2023. DOI.10.3390/app13031424. (IF 2.8).
21. A. Ibrahim, A. Kibarer, F. Al-Turjman, "Computer-aided Detection of Tuberculosis from Microbiological and Radiographic Images", Data Intelligence, 2023. DOI. 10.1162/dint_a_00198.
22. A. Mubarak, S. Serte, F. Al-Turjman, Z. Ameen, "Data Augmentation and Denoising of Computed Tomography (CT) Scan Images In Training Deep Learning Models For Rapid COVID-19 Detection", Int. J. of Business Intelligence and Data Mining, 2023.
23. I. Irkham, A. Ibrahim, P. Pwadovi, F. Al-Turjman, Y. Hartati, "Smart Graphene-Based Electrochemical Nanobiosensor For Clinical Diagnosis: Review", Sensors, vol. 23, no. 4, 2023. DOI. 10.3390/s23042240. (IF 3.9)

24. R. Lenka, H. Mohapatra, F. Al-Turjman and C. Altrjman, “A Review of Energy Saving Routing Schemes for WSN Assisted IoT Network”, International Journal of Emerging Electric Power Systems, 2022. DOI.10.1515/ijeeps-2022-0104.
25. A. Ibrahim, C. Nwekwo, F. Al-Turjman, I. Irkham, Y. Hartati, “Current Technologies for Detection of COVID-19: Biosensors, Artificial Intelligence and Internet of Medical Things (IoMT): Review”, Sensors, vol.23, no. 1, pp. 426, 2023. DOI. 10.3390/s23010426. (IF 3.9)
26. A. Mubarak, Z. Said, F. Al-Turjman, “A Multi-Decoder-Based Detection Transformer Model For Drone Detection”, IET Electrical Systems in Transportation, 2023. DOI: 10.1049/els2.12067.
27. A. Hussain, F. Al-Turjman, “IoMT Cloud Task Scheduling Using AI”, Wireless Communications and Mobile Computing, vol. 135, no. 2, pp. 1345-1369, 2023. (IF 2.14)
28. S. Rajeyyagari, S. Alahmari, F. Al-Turjman, "Davis Mayer Streebog Cryptographic Hash-Based Blockchain for Secure Transaction Management Using SDN in IIoT Applications", Journal of Signal Processing Systems,2022. DOI. 10.1007/s11265-022-01825-9.
29. H. Rauf, J. Gao, A. Almadhor, A. Haider, Y. Zhang, F. Al-Turjman, “Multi population-based chaotic differential evolution for multi-modal and multi-objective optimization problems”, Applied Soft Computing,vol. 132, no. 1, pp. 1-16, 2023. (IF 8.5).
30. R. Sakthivel, G. Nagasubramanian, M. Sankayyab, F. Al-Turjman, "Multilingual News Feed Analysis Using Intelligent Linguistic Particle Filtering Techniques”, ACM Transactions on Asian and Low-Resource Language Information Processing, vol. 22, no. 3, pp. 1-19, 2023. DOI. 10.1145/3569899. (IF 5.2)
31. A. Maria, F. Al-Turjman, A. Sekar, “Blockchain-based Physically Secure and Privacy-Aware Anonymous Authentication Scheme for Fog-based VANETs”, IEEE Access, vol. 11, no. 1, pp. 17138-17150, 2023. DOI.10.1109/ACCESS.2022.3230448. (IF 4.04).
32. F. Al-Turjman, M. Ivanovic, “Guest Editorial – Interactive and Innovative Technologies for Smart Education”, Computer Science and Information Systems, vol. 19, no. 3, pp. vii–x, 2022. DOI. 10.2298/CSIS220300viiA.
33. D. Yedurkar, S. Metkar, F. Al-Turjman, T. Stephan, M. Kolhar, C. Altrjman, “A Novel Approach for Multichannel Epileptic Seizure Classification based on Internet of Things Framework using Critical Spectral Verge Feature Derived from Flower Pollination Algorithm”, Sensors, 2022. DOI. 10.3390/s22239302. (IF3.9)
34. A. Mubarak, Z. Said, F. Al-Turjman, “Effect of Gaussian Filtered Images on Mask RCNN in Detection and Segmentation of Potholes in Smart Cities”, Mathematical Biosciences and Engineering, vol. 20, no. 1, pp.283-295, 2023. (IF 2.2)
35. F. Al-Turjman, "Smart-city medium access for smart mobility applications in Internet of Things", Wiley Transactions on Emerging Telecommunications Technologies, vol. 33, no. 8, pp. 1-10, 2022. DOI. 10.1002/ett.3723.
36. A. Ibrahim, F. Al-Turjman, M. Ozsoz, S. Serte, “Computer aided detection of Tuberculosis using Two classifiers”, Biomedical Engineering/Biomedizinische Technik (BMT), 2022. DOI. 10.1515/bmt-2021-0310. (IF1.5)
37. T. Stephan, F. Al-Turjman, M. Kolhar, S. Alturjman, “IoMT-Based Automated Diagnosis of Autoimmune Diseases Using Machine Learning for Sustainable Smart Cities”, Sustainability, vol. 14, no. 21, pp. 13891,2022. DOI. 10.3390/su142113891. (IF 3.8)
38. H. Mouftah, A. Radwan, M. Rehmani, F. Al-Turjman, and B. Vaidya, “Editorial: Prospects of energy and mobility-Connected and autonomous electric vehicles for sustainable smart cities”, Frontiers in Energy Research, 2022. DOI. 10.3389/fenrg.2022.972084.
39. A. Mubarak, Z. Said, C. Altrjman, F. Al-Turjman, “Computer-Vision-Based Statue Detection with Gaussian Smoothing Filter and EfficientDet”, Sustainability, 2022. DOI. 10.3390/su141811413.
40. F. Al-Turjman, and I. Baali, "Machine learning for wearable IoT-based applications: A survey", Wiley Transactions on Emerging Telecommunications Technologies, vol. 33, no. 8, pp. 1-16, 2022. DOI.

10.1002/ett.3635. (Top Downloaded Paper)
41. A. Sekar, A. Maria; F. Al-Turjman; C. Altrjman; L. Mostarda, “ABRIS: Anonymous Blockchain based Revocable and Integrity preservation scheme for Vehicle to Grid Network”, Energy Reports, vol. 8, pp. 9331-9343, 2022. DOI. 10.1016/j.egyr.2022.07.064. (IF 6.9).
42. A. Rejeb, K. Rejeb, A. Abdollahi, F. Al-Turjman, H. Treiblmaier, “The Interplay between the Internet of Things and Agriculture: A Bibliometric Analysis and Research Agenda”, Elsevier Internet of Things, vol. 19,2022. DOI. 10.1016/j.iot.2022.100580 (IF 5.71)
43. S. Punitha, F. Al-Turjman, and T. Stephan, "A Novel e-Healthcare Diagnosing System for COVID-19 via Whale Optimization Algorithm", Journal of Experimental and Theoretical Artificial Intelligence, 2022. DOI.10.1080/0952813X.2022.2125079. (IF 2.4).
44. F. Al-Turjman, A. Hussain, S. Alturjman, C. Altrjman, “Vehicle Price Classification and Prediction Using Machine Learning in the IoT Smart Manufacturing Era”, Sustainability, vol. 14, no. 15, 2022. DOI. 10.3390/su14159147. (IF 3.8)
45. A. Hussain, F. Al-Turjman, “Hybrid Genetic Algorithm for IOMT-Cloud Task Scheduling”, Wireless Communications and Mobile Computing, 2022. DOI. 10.1155/2022/6604286. (IF 2.14)
46. O. Babatomiwa, F. Al-Turjman, C. Nadire, “Interactive and innovative technologies for smart education”, Computer Science and Information Systems, 2022. DOI. 10.2298/CSIS210817027O. (IF 1.17)
47. F. Al-Turjman, D. Deebak, “Synonym-Based Multi-Keyword Ranked Search with Secure k-NN in 6G Network", IET Networks, 2022. DOI: 10.1049/ntw2.12050.
48. M. Saleh, Z. Ameen, C. Altrjman, F. Al-Turjman, “Computer-Vision-Based Statue Detection with Gaussian Smoothing Filter and EfficientDet”, Sustainability, vol. 14, no. 18, pp. 11413, 2022. DOI. 10.3390/su141811413. (IF 3.8)
49. K. Alharbia, S. Yasmin, S. Farooq, H. Waqas, M. Alwetaishi, S. Khan, F Al-Turjman, S. Elattar, M. Khan& A. Galal, “Thermal outcomes of Williamson pseudo-plastic nanofluid with microorganisms due to the heated Riga surface with bio-fuel applications”, Waves in Random and Complex Media, 2022. DOI.10.1080/17455030.2022.2094495. (IF 4.8)
50. A. Hussain, F. Al-Turjman, “IoMT-Cloud Task Scheduling Using AI”, CMES-Computer Modeling in Engineering & Sciences, vol. 135, no. 2, 2023. DOI: 10.32604/cmes.2023.022783.
51. B. Şekeroğlu, K. Dimililer, Y. K. Ever, F. Al-Turjman, "Comparative Evaluation and Comprehensive Analysis of Machine Learning Models for Regression Problems", Data Intelligence Journal, vol. 4, no. 3, pp.620–652, 2022. DOI. 10.1162/dint_a_00155.
52. P. Chithaluru, F. Al-Turjman, T. Stephan, M. Kumar, and C. Hsu, “Improved Elman Back Propagation Algorithm for Validating Digital Signatures in VANET”, Computers, Materials & Continua, 2022. (IF 4.9).(Accepted).
53. A. Gopu, F. Al-Turjman, K. Thirugnanasambandam, R. Sekaran, R. Patan, “Energy Efficient Virtual Machine Placement in Distributed Cloud using NSGA-III Algorithm”, Big Data Research, 2021. (Accepted).(IF 3.6).
54. M. Gupta, R. Kumar, S. Sharma, F. Al-Turjman, C. Hsu, "A comparative analysis of COVID-19 Infected cases with GDP and Happiness Indices based on World Happiness Report using Machine Learning",Intelligent Automation & Soft Computing, 2022. (Accepted).
55. H. Mouftah, A. Radwan, M. Rehmani, F. Al-Turjman, B. Vaidya, "Editorial, Prospects of Energy and Mobility - Connected and Autonomous Electric Vehicles for Sustainable Smart Cities", Frontiers in Energy Research, 2022. DOI: 10.3389/fenrg.2022.972084. (IF 3.8)
56. K. Dimililera, H. Teimouriana, and F. Al-Turjman, “Radio Galaxies Classification System using Machine Learning Techniques in the IoT Era”, Journal of Experimental & Theoretical Artificial Intelligence, 2022. DOI.10.1080/0952813X.2022.2080277. (IF 2.4).
57. F. Karim, M. Shah, H. Khattak, Z. Ameer, U. Shoaib, H. Tayyab, F. Al-Turjman, “Towards an effective

model for lung disease classification: Using Dense Capsule Nets for early classification of lung diseases",Applied Soft Computing, vol. 124, no. 109077, 2022. DOI. 10.1016/j.asoc.2022.109077. (IF 6.7)
58. T. Stephan, F. Al-Turjman, M. Ravishankar, S. Punitha, "Machine Learning Analysis on the Impacts of COVID-19 on India's Renewable Energy Transitions and Air Quality", Sustainable Energy Technologies and Assessments, 2022. DOI. 10.1007/s11356-022-20997-2. (IF 5.4)
59. R. Lenka, M. Kolhar, H. Mohapatra, F. Al-Turjman, and C. Altrjman, "Cluster-Based Routing Protocol with Static Hub (CRPSH) for WSN-Assisted IoT Networks", Sustainability, 2022. DOI. 10.3390/su14127304. (IF 3.6).
60. S. Jabbar, F. Al-Turjman, "VABLOCK: A blockchain-based secure communication in V2V network using icn network support technology", Microprocessors and Microsystems, 2022. DOI. 10.1016/j.micpro.2022.104569. (IF 2.1)
61. S. Serte, M. Dirik, F. Al-Turjman, "Deep Learning Models for Covid-19 Detection", Sustainability, 2022.DOI. 10.3390/su14105820. (IF 2.9).
62. M. Narendra, M. Valarmathi, L. Anbarasi, V. Sarobin, F. Al-Turjman, "High Embedding Capacity in 3D Model using Intelligent Fuzzy based Clustering", Neural Computing and Applications, 2022. DOI. 10.1007/s00521-022-07404-0. (IF 5.6).
63. V. Jain, F. Al-Turjman, G. Chaudhary, D. Nayar, V. Gupta, A. Kumar, "Video captioning: a review of theory, techniques and practices", Multimedia Tools and Applications, 2022. DOI. 10.1007/s11042-021-11878-w.
64. F. Shah, M. Raja, F. Al-Turjman, F. Zaman, and X. Yang, "Evolutionary Heuristic Computing Paradigm for 2D-DOA Estimation along Circular Array", Wireless Communications and Mobile Computing, 2022. DOI.10.1155/2022/4851364.
65. S. Aziz, L. Kolsi, I. Ahmad, F. Al-Turjman, M. Omri, and S. Khan, "Thermal stability and bioconvection investigation for couple stress nanofluid due to a three-dimensional accelerated frame", Waves in Random and Complex Media, 2022. DOI. 10.1080/17455030.2022.2063989. (IF 4.85)
66. A. Rajasekaran, M. Azees, F. Al-Turjman, "A Comprehensive Survey on Blockchain Technology", Sustainable Energy Technologies and Assessments, vol. 52, no. A, 2022. DOI. 10.1016/j.seta.2022.102039. (IF5.3)
67. N. Bacanin, M. Zivkovica, F. Al-Turjman, K. Venkatachalam, P. Trojovsk´y, I. Strumberger, T. Bezdana,"Hybridized Sine Cosine Algorithm with Convolutional Neural Networks Dropout Regularization Application", Scientific Reports, 2022. DOI. 10.1038/s41598-022-09744-2. (IF 5.1)
68. F. Al-Turjman, "COVID-19 special issue: Intelligent solutions for computer communication-assisted infectious disease diagnosis", Wiley Expert Systems, 2022. DOI: 10.1111/exsy.12946. (IF 2.5)
69. H. Khattak, R. Fazal, M. Shah, H. Rauf, F. Al-Turjman, "Achieving Data Privacy for Decision Support Systems in Times of Massive Data Sharing", Cluster Computing, 2022. DOI. 10.1007/s10586-021-03514-x.(IF 3.45).
70. A. Maria, A. Rajasekaran, F. Al-Turjman, C. Altrjman, L. Mostarda, "BAIV: An Efficient Blockchain Based Anonymous Authentication and Integrity Preservation Schemes for Secure Communication in Vanets",Electronics, 2022. DOI. 10.3390/electronics11030488. (IF 2.9).
71. A. Rajasekaran, A. Maria, F. Al-Turjman, C. Altrjman, L. Mostarda, "Anonymous Mutual and Batch authentication with location privacy of UAV in FANET", Drones, 2022. DOI. 10.3390/drones6010014 (IF 2.9).
72. A. Raza; M. Shah; H. Khattak; C. Maple; F. Al-Turjman; H. Rauf, " Collaborative multi-agents in dynamic industrial internet of things using deep reinforcement learning", Environment, Development and Sustainability,2022. DOI. 10.1007/s10668-021-01836-9. (IF 3.2).
73. C. Prabha, S. Kaur, M. Gupta, F. Al-Turjman, "Optimised Features for Speaker Identification using Daubechies Wavelet based Variance Spectral Flux", Wireless Personal Communications, 2021. DOI: 10.21203/rs.3.rs-178374/v1

74. H. Abubakar, Z. Ameen, C. Altrjman, S. Alturjman, A. Mubarak, F. Al-Turjman, “Breast Invasive Ductal Casinoma (IDC) Detection using AlexNet and ResNet”, NEU Journal for Artificial Intelligence and Internet of Things, vol. 1, no. 1, pp. 48-53, 2022.
75. F. Al-Turjman, “AI-assisted Solutions for COVID-19 and Biomedical Applications in Smart-Cities”, Springer Mobile Networks and Applications, 2022. DOI. 10.1007/s11036-022-01954-2. (IF 3.4).
76. F. Al-Turjman, D. Deebak, “A Proxy-Authorized Public Auditing Scheme for Cyber-Medical Systems Using AI-IoT", IEEE Transactions on Industrial Informatics, 2021. DOI. 10.1109/TII.2021.3126316 (IF 10.08).
77. A. Rajasekaran, M. Azees, F. Al-Turjman, “A comprehensive survey on security issues in vehicle-to-grid networks”, Journal of Control and Decision, vol. 10, no. 2, pp. 150 – 159, 2023. DOI. 10.1080/23307706.2021.2021113. (IF 4.9)
78. M. Jawahar, L. Anbarasi, J. Prassanna, R. Manikandan, F. Al-Turjman, “Utilization of Transfer Learning Model in Detecting COVID-19 cases from Chest X-Ray Images”, International Journal of E-Health and Medical Communications, vol. 13, no. 2, pp. 11, 2022. DOI. 10.4018/ijehmc.20220701oa02.
79. A. Mubarak, S. Serte, F. Al-Turjman, Z. Ameen, M. Ozsoz, R. Abdulkadir, “Deep Learning-Based Feature Extraction Coupled With Multi Class SVM For Covid-19 Detection in the IoT Era”, International Journal of Nanotechnology, Vol. 20, Nos. 1/2/3/4,, pp. 7–24, 2023. DOI. 10.1504/IJNT.2021.10040115.
80. D. Tiwari; B. Bhati, B. Nagpal; S. Sankhwar; F. Al-Turjman, “An Enhanced Intelligent Model: To Protect Marine IoT Sensor Environment using Ensemble Machine Learning Approach”, Ocean Engineering, 2021.DOI. 10.1016/j.oceaneng.2021.110180. (IF 3.9).
81. H. Alkatrani, M. Ilyas, S. Alyassri, A. Nahar, F. Al-Turjman, J. Rasheed, . Alshahrani, and B. Al-Kasasbeh,“Polygon Number Algorithm for Peak-to-Average Ratio Reduction of Massive 5G Systems Using Modified Partial Transmit Sequence Scheme”, Wireless Communications and Mobile Computing, 2021. DOI.10.1155/2021/7498240. (IF 2.3).
82. N. Bacanin, T. Bezdan, F. Al-Turjman, T. Rashid, "Artificial Flora Optimization Algorithm with Genetically Guided Operators for Feature Selection and Neural Network Training", International Journal of Fuzzy Systems, 2021. DOI.10.1007/s40815-021-01191-x. (IF 4.7).
83. A. Kumar, S. Kolnure, K. Abhishek, F. Al-Turjman, P. Nerurkar, M. Ghalib, A. Shankar, “Advanced deep learning algorithms for infectious disease modeling using clinical data: A Case Study on COVID19”, Current Medical Imaging, vol. 18, pp. 574-586, 2022. DOI.10.2174/1573405617666210908125911.
84. S. Mohammed, S. Thaseen, A. Singhania, F. Al-Turjman, R. Patan, L. Mostarda, "Cybersecurity management approach for the Credit-Card Fraud Detection using Machine Learning", Computers, Materials& Continua, 2020. (IF 4.9). (Accepted).
85. M. Al-Rawajbeh, V. Sayenkob, I. Al-Hadid, F. Al-Turjman, L. Ramasamy, “Evaluation of Functional Maturity for a Network Information Service Design & Case Analysis”, International Journal of Ad Hoc and Ubiquitous Computing, vol. 38, no. 1-3, pp. 3-16, 2021. DOI. 10.1504/IJAHUC.2021.119081.
86. D. Deebak, F. Al-Turjman, “A Robust and Distributed Architecture for 5G-Enabled Networks in the Smart Blockchain Era”, Elsevier Computer Communications Journal, vol. 181, no. 1, pp. 293-308, 2022. (IF 3.16).
87. B. Goyal, A. Dogra, R. Khoond, F. Al-Turjman, “An Efficient Medical Assistive Diagnostic Algorithm for Visualisation of Structural and Tissue Details in CT and MRI Fusion”, Cognitive Computation, 2021. DOI.0.1007/s12559-021-09958-y. (IF 4.9).
88. D. Kavadi, F. Al-Turjman, K. Reddy, R. Patan, “A Machine Learning Approach for Celebrity Profiling”,International Journal of Ad Hoc and Ubiquitous Computing, vol. 38, no. 1/2/3, pp. 111-126, 2021. DOI.10.1504/IJAHUC.2021.119091.
89. M. Junaid, A. Sohail, R. Ali, F. Al-Turjman, “Agile Support Vector Machine for Energy-efficient Resource Allocation in IoT-based Cloud using PSO”, ACM Transactions on Internet Technology, vol. 22, no. 1, pp. 1-35, 2022. DOI. 10.1145/3433541. (IF 5.2)

90. H. Teimourian, A. Teimourian, K. Dimililer, F. Al-Turjman, “The Potential of Wind-energy via an Intelligent IoT-oriented Assessment”, The Springer Journal of Supercomputing, 2021. DOI. 10.1007/s11227-021-04085-9. (IF 2.5).
91. S. Chaudhry, K. Yahya, F. Al-Turjman, “A Privacy Enhanced Authentication Scheme for Securing Smart Grid Infrastructure", IEEE Transactions on Industrial Informatics, vol. 18, no. 7, pp. 5000-5006, 2022. DOI.10.1109/TII.2021.3119685. (IF 9.08).
92. A. Mubarak, S. Serte, F. Al-Turjman, Z. Ameen, M. Ozsoz, "Local Binary Pattern And Deep Learning Feature Extraction Fusion For Covid-19 Detection On Computed Tomography Images" Wiley Expert Systems, 2021. DOI. 10.1111/exsy.12842. (IF 2.5)
93. M. Abujubbeh, F. Al-Turjman, “Power loss reduction and voltage enhancement via distributed photovoltaic generation: Case study in North Cyprus”, Elsevier Computers & Electrical Engineering Journal,vol. 95, no. 107432, 2021. DOI. 10.1016/j.compeleceng.2021.107432. (IF 3.8).
94. D. Deebak, F. Al-Turjman, “How to Exploit 5G Networks for IoT Security and Privacy Challenges”, IEEE Internet of Things Magazine, 2021. DOI. 10.1109/IOTM.0101.2000048. (IF 5.76).
95. P. Chithaluru, F. Al-Turjman, M. Kumar, T. Stephan, “MTCEE-LLN: Multilayer Threshold Cluster-Based Energy-Efficient Low-Power and Lossy Networks for Industrial Internet of Things”, IEEE Internet of Things Journal, vol. 9, no. 7, pp. 4940-4948, 2022. DOI. 10.1109/JIOT.2021.3107538. (IF 9.59).
96. R. Sekaran, A. Munnangi, S. Rajeyyagari, M. Ramachandran, F. Al-Turjman, “Ant Colony Resource Optimization for industrial IoT and CPS”, International Journal of Intelligent Systems, vol. 37, no. 12, pp.10513-10532, 2022. DOI. 10.1002/int.22636. (IF 10.3).
97. M. Azees, A. Sekar, F. Al-Turjman, "Lightweight Privacy and Confidentiality Preserving Anonymous Authentication Scheme for WBANs", IEEE Transactions on Industrial Informatics, 2021. DOI. 10.1109/TII.2021.3097759. (IF 9.08).
98. P. Chithalurua, F. Al-Turjman, T. Stephan, M. Kumar, L. Mostarda, “Energy-Efficient Blockchain Implementation for Cognitive Wireless Communication Networks (CWCNs)”, Energy Reports, vol, 7, pp.8277-8286, 2021. DOI. 10.1016/j.egyr.2021.07.136. (IF 6.9).
99. R. Sekaran, F. Al-Turjman, R. Patan, V. Ramasamy, “Tripartite Transmitting Methodology for Intermittently Connected Mobile Network (ICMN)”, ACM Transactions on Internet Technology, vol. 21, no.4, pp. 1 – 10, 2021. DOI. 10.1145/3424222. (IF 5.2)
100.V. Ramakrishnan, P. Chenniappan, R. Dhanaraj, C. Hsu, Y. Xiao, F. Al-Turjman, “Bootstrap Aggregative Mean Shift Clustering for Big Data Anti-Pattern Detection Analytics in 5G/6G Communication Networks”,Elsevier Computers & Electrical Engineering Journal, vol. 95, no. 107380, 2021. DOI.10.1016/j.compeleceng.2021.107380. (IF 3.8).
101.H. Wu, H. Rauf, F. Al-Turjman, “An On-Chip Auto-Tuning Method for Continuous-time Filters with Improved Speed and Accuracy”, IETE Journal of Research, 2021. DOI. 10.1080/03772063.2021.1972851. (IF2.3)
102.M. Šarac, N. Pavlović, N. Bacanin, F. Al-Turjman, “Increasing Privacy and Security by Integrating a Blockchain Secure Interface into an IoT Device Security Gateway Architecture”, Energy Reports, 2021. DOI. 10.1016/j.egyr.2021.07.078. (IF 6.9).
103.V. Gomathy, K. Janarthanan, F. Al-Turjman, R. Sitharthan, M. Rajesh, K. Vengatesan, T. Priya Reshma,“Investigating the Spread of Coronavirus Disease via Edge-AI and Air Pollution Correlation”, ACM Transactions on Internet Technology, vol. 21, no. 4, pp. 1-10, 2021. DOI. 10.1145/3424222. (IF 5.2)
104.F. Al-Turjman, “AI-powered cloud for COVID-19 and other infectious disease diagnosis”, Personal and Ubiquitous Computing, 2021. DOI. 10.1007/s00779-021-01625-1. (IF 3.1)
105.R. kumar, R. Bhattacharjee, F. Al-Turjman, "A novel approach for tuning of fluidic resistance in Deterministic Lateral Displacement array for enhanced separation of Circulating Tumor Cells", Cognitive Computation, 2021. DOI. 10.1007/s12559-021-09904-y. (IF 4.9).
106.S. Agashe, B. Lande, V. Jain, G. Chaudhary, F. Al-Turjman, "Numerical Solution of Optimal Control

Problem", Soft Computing, 2021. DOI. 10.1007/s00500-021-06019-2. (IF 3.6).
107.H. Babbar, S. Rani, H. Aljahdali, A. Singh, F. Al-Turjman, “Load Balancing Algorithm on the Immense Scale of Internet of Things in SDN for Smart Cities”, Sustainability, 2021. DOI. 10.3390/su13179587. (IF2.6).
108.S. Ramesh, S. Murugan, R. Manikandan, F. Al-Turjman, "Optimization of Energy and Security in Mobile Sensor Network using Classification based Signal Processing in Heterogeneous Network", Journal of Signal Processing Systems, 2021. DOI. 10.1007/s11265-021-01690-y. (IF 1.4)
109.P.G. Shynu, F. Al-Turjman, “Data-Centric Routing and Caching Approach for Mobile and Social SensingApplications”, Elsevier Computers & Electrical Engineering Journal, vol. 94, no. 107357, 2021. DOI.10.1016/j.compeleceng.2021.107357. (IF 3.8).
110.A. Khamparia, B. Pandey, F. Al-Turjman, P. Podder, “An Intelligent IoMT Enabled Feature Extraction Method for Early Detection of Knee Arthritis”, Wiley Expert Systems, 2021. DOI. 10.1111/exsy.12784. (IF 2.5)
111.S. Kanwal, Z. Iqbal, F. Al-Turjman, A. Irtaza, M. Khan, “Multiphase Fault Tolerance Genetic Algorithm for VM and Task Scheduling in Datacenter”, Information Processing and Management, vol. 58, no. 5, 2021,102676. DOI. 10.1016/j.ipm.2021.102676. (IF 6.2).
112.M. Gupta; V. Upadhyay; P. Kumar; F. Al-Turjman, “Implementation of Autonomous Driving using Ensemble-M in Simulated Environment”, Springer Soft Computing, vol. 25, pp. 12429–12438, 2021. (IF 2.3)
113.H. Inam, F. Al-Turjman, “Intelligent free energy usage through radiant energy space phenomenon: An IoT-powered prototype for modified Bedini generator”, Microprocessors and Microsystems, 2021. DOI.10.1016/j.micpro.2021.104319. (IF 1.5)
114.G. Nagasubramanian, M. Sankayya, F. Al-Turjman, “Secure and Consistent Job Administration Using Encrypted Data Access Policies in Cloud Systems”, Elsevier Computers & Electrical Engineering Journal, vol.96, no. A, pp. 107520, 2021. DOI. 10.1016/j.compeleceng.2021.107520. (IF 3.8).
115.A. Bhardwaj, F. Al-Turjman, V. Sapra, M. Kumar, T. Stephan, “Privacy-aware detection framework to mitigate new-age phishing attacks”, Elsevier Computers & Electrical Engineering Journal, vol. 96, no. A, pp.107546, 2021. DOI. 10.1016/j.compeleceng.2021.107546. (IF 3.8).
116.I. Krishnan, F. Al-Turjman, R. Sekaran, R. Patan, C-H. Hsu “A Novel Handover Mechanism of PMIPv6 for the Support of Multi-Homing Based on Virtual Interface”, Sustainability, 2021. DOI. 10.3390/su132111743. (IF 2.6).
117.F. Ullah, M. Naeem, A. Bajahzar, F. Al-Turjman, “IoT-based Cloud Service for Secured Android Markets using PDG-based Deep Learning Classification", ACM Transactions on Internet Technology, 2021. DOI.10.1145/3418206. (IF 5.2)
118.R. Kumar, F. Al-Turjman, L. Srinivas, M. Braveen, J. Ramakrishnan, “ANFIS for Prediction of Epidemic Peak and Infected Cases for COVID-19 in India", Neural Computing and Applications, 2021. DOI.10.1007/s00521-021-06412-w. (IF 5.6).
119.M. Khan, S. Sultan, Q. Javaid, A. Malik, F. Al-Turjman, “Collaborative-trust approach toward malicious node detection in vehicular ad hoc networks”, Environment, Development and Sustainability, 2021. DOI.10.1007/s10668-021-01632-5. (IF 3.2).
120.S. Qayyum, F. Ullah, F. Al-Turjman, “Managing Smart Cities through Six Sigma DMADICV method: A Review-based Conceptual Framework”, Elsevier Sustainable Cities and Society, vol. 72, no. 1, pp. 103022,2021. DOI. 10.1016/j.scs.2021.103022. (IF 7.58).
121.A. Tewari; I. Parhi; F. Al-Turjman; K. Abhishek; M. Ghalib; A. Shankar, “User-Centric Hybrid SemiAutoencoder Recommendation System", Multimedia Tools and Applications, 2021. DOI. 10.1007/s11042-021-11039-z. (IF 2.8)

122.H. Touqeer; S. Zaman; R. Amin; M. Hussain; F. Al-Turjman; M. Bilal, “Smart Home Security: Challenges,Issues and Solutions at different IoT Layers”, The Springer Journal of Supercomputing, 2021. DOI.10.1007/s11227-021-03825-1. (IF 2.5).
123.F. Al-Turjman, “Next Generation Drone-IoT Integrated Networks”, Elsevier Internet of Things, vol. 14,no. 1, pp. 1-2, 2021. DOI. 10.1016/j.iot.2020.100270.
124.D. Deebak, F. Al-Turjman, “Lightweight Privacy-Aware Secure Authentication Scheme for CyberPhysical Systems in the Edge Intelligence Era”, Wiley’s Concurrency and Computation: Practice and Experience,2021. DOI: 10.1002/cpe.6510. (IF 1.5).
125.D. Sharma, M. Devgan, G. Malik, P. Dutt, A. Goel, D. Gupta, F. Al-Turjman, “DDoS prevention architecture using anomaly detection in fog-empowered networks”, Journal of Ambient Intelligence and Smart Environments, vol. 13, no. 1, pp. 201–217, 2021. DOI 10.3233/AIS-210600. (IF 2.1).
126.D. Deebak, F. Al-Turjman, "Digital-Twin Assisted: Fault Diagnosis Using Deep Transfer Learning for Machining Tool Condition", Wiley International Journal of Intelligent Systems, vol. 37, no. 12, 2022. DOI:10.1002/int.22493. (IF 10.3).
127.F. Ullah, S. Sepasgozar, M. Thaheem, F. Al-Turjman, “Barriers to the Digitalisation and Innovation of Australian Smart Real Estate: A Managerial Perspective on the Technology Non-adoption”, Elsevier Environmental Technology & Innovation, 2021. DOI. 10.1016/j.eti.2021.101527. (IF 5.3).
128.V Gopal, F. Al-Turjman, R. Kumar, L. Anand, M. Rajesh, “Feature Selection and Classification in Breast Cancer Prediction using IoT and Machine Learning”, Measurement, vol. 178, 2021. DOI. 10.1016/j.measurement.2021.109442. (IF 3.4)
129.K. Almezhghwi1, S. Serte, F. Al-Turjman, “Convolutional Neural Networks for the Classification of Chest X-rays in the IoT Era”, Multimedia Tools and Applications, 2021. DOI. 10.1007/s11042-021-10907-y.(IF 2.3)
130.A. Arasan, R. Sadaiyandi, F. Al-Turjman, A. Rajasekaran, K. Selvi, “Computationally Efficient and Secure Anonymous Authentication Scheme for Cloud Users”, Personal and Ubiquitous Computing Journal, 2021.DOI. 10.1007/s00779-021-01566-9. (IF 3.1).
131.N. Bacanin, K. Venkatachalam, F. Al-Turjman, “Optimized Convolutional Neural Network by Firefly Algorithm for Magnetic Resonance Image Classification of Glioma Brain Tumor Grade”, Journal of RealTime Image Processing, 2021. DOI. 10.1007/s11554-021-01106-x. (IF 2.0)
132.D. Tiwari, B. Bhati, F. Al-Turjman, “Pandemic Coronavirus Disease (Covid-19): World Effects Analysis And Prediction Using Machine-Learning Techniques”, Wiley Expert Systems, 2021. DOI: 10.1111/exsy.12714. (IF 2.5)
133.A. Ibrahim, M. Ozsoz , F. Al-Turjman, S. Serte, "Convolutional Neural Network for Diagnosis of Viral Pneumonia and COVID-19 alike Diseases", Wiley Expert Systems, 2021. DOI. 10.1111/exsy.12705. (IF 2.5)
134.J. Rasheed, A. Jamil, A. Hameed, F. Al-Turjman, A. Rasheed, “COVID-19 in the age of Artificial Intelligence: A Comprehensive Review”, Interdisciplinary Sciences: Computational Life Sciences, 2021. DOI.10.1007/s12539-021-00431-w.
135.H. Asif, F. Al-Turjman, "Time Difference of Arrival Based Indoor Positioning System Using Visible Light Communication", IEEE Access, 2021. DOI. 10.1109/ACCESS.2021.3069793. (IF 4.04).
136.F. Ullah, F. Al-Turjman, S. Qayyum, M. Thaheem, “Risk management in sustainable smart cities governance: A TOE framework”, Elsevier Technological Forecasting & Social Change, 2021. DOI. 10.1016/j.techfore.2021.120743. (IF 8.6).
137.N. Velusamy, F. Al-Turjman, R. Kumar “A Framework for Task Allocation in IoT-oriented Industrial Manufacturing Systems”, Computer Networks, 2021. DOI. 10.1016/j.comnet.2021.107971. (IF 4.5).
138.C. Dhasarathan; M. Kumar; A. Srivastava; F. Al-Turjman; A. Shankar; M. kumar, "A Bio-Inspired Privacy Preserving Framework For Healthcare Systems", The Springer Journal of Supercomputing, 2021. DOI.
10.1007/s11227-021-03720-9. (IF 2.5).

139.U. kamboh, U. Ullah, S. Khalid, U. Raza, C. Chakraborty, F. Al-Turjman, "Path Loss Modelling at 60 GHz mmWave Based on Cognitive 3D Ray Tracing Algorithm in 5G", Peer-to-Peer Networking and Applications,2021. DOI. 10.1007/s12083-021-01101-w. (IF 2.8).
140.Q. Mastoi, M. Memon, A. Lakhan, M. Mohammed, M. Qabulio, F. Al-Turjman, K. Abdulkareem, "Machine Learning-Data Mining Integrated Approach for Premature Ventricular Contraction Prediction", Neural Computing and Applications, 2021. DOI. 10.1007/s00521-021-05820-2. (IF 5.6).
141.M. Pitchai, M. Ramachandran, F. Al-Turjman, L. Mostarda, "Intelligent Framework for Secure Transportation Systems Using Software-Defined-Internet of Vehicles", Computers, Materials & Continua,Vol.68, No.3, pp. 3947-3966, 2021. DOI. 10.32604/cmc.2021.015568. (IF 4.7)
142.R. Sekaran, M. Ramachandran, R. Patan, F. Al-Turjman, "Multivariate Regressive Deep Stochastic Artificial Learning for Energy and Cost Efficient 6G Communication", Elsevier Sustainable Computing: Informatics and Systems, 2021. DOI. 10.1016/j.suscom.2021.100522. (IF 2.8).
143.R. Kumar; F. Al-Turjman; L. Anand; A. Kumar; S. Magesh; K. Vengatesan; R. Sitharthan; M. Rajesh, "Genomic Sequence Analysis of lung infections using Artificial Intelligence Technique", Interdisciplinary Sciences: Computational Life Sciences, 2021. DOI. 10.1007/s12539-020-00414-3.
144.A. Hussain, F. Al-Turjman, "Artificial Intelligence and Blockchain: A Review", Wiley Transactions on Emerging Telecommunications Technologies, vol. 32, no. 9, 2021. DOI: 10.1002/ett.4268.
145.F. Ullah, F. Al-Turjman, S. Qayyum, H. Inam, "Advertising through UAVs: Optimized path system for delivering smart real-estate advertisement materials", Wiley International Journal of Intelligent Systems, vol.36, no. 7, pp. 3429-3463, 2021. DOI: 10.1002/int.22422. (IF 10.3).
146.R. Mydukuri, S. Kallam, R. Patan, F. Al-Turjman, M. Ramachandran, "Deming Least Square Regressed Feature Selection and Gaussian Neuro-Fuzzy Multi-Layered Data Classifier for Early Covid Prediction",Wiley Expert Systems, vol. 39, no. 4, 2022. DOI. 10.1111/exsy.12694. (IF 2.5)
147.V. Sarobin, L. Anbarasi, J. Prassanna, R. Manikandan, F. Al-Turjman, "Swarm Intelligence based Optimal Device Deployment in Heterogeneous Internet of Things Networks for Wind Farm Application", Wiley International Journal of Communication Systems, 2021. DOI. 10.1002/dac.4779. (IF 1.4)
148.A. Reghukumar, L. Anbarasi, J. Prassanna, M. Ramachandran, F. Al-Turjman, "Vision Based Segmentation And Classification Of Cracks Using Deep Neural Networks", International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, vol. 29, no. 1, pp. 2021 - 156, 2021. DOI. 10.1142/S0218488521400080. (IF1.4)
149.B. D. Deebak, F. Al-Turjman, "Privacy-Preserving in Smart Contracts Using Blockchain and Artificial Intelligence for Cyber Risk Measurements", Journal of Information Security and Applications, 2021. DOI.10.1016/j.jisa.2021.102749. (IF 2.3).
150.F. Ullah, F. Al-Turjman, "A conceptual framework for blockchain smart contract adoption to manage real estate deals in smart cities", Neural Computing and Applications, 2021. DOI. 10.1007/s00521-021-05800-6. (IF 5.6).
151.A. Khalid, F. Rashid, U. Tahir, H. Asif, F. Al-Turjman, "Multi-Carrier Visible Light Communication System Using Enhanced Sub-Carrier Index Modulation and Discrete Wavelet Transform", Wireless Personal Communications, 2021. DOI. 10.1007/s11277-021-08121-y.
152.S. Prabu, F. Al-Turjman, R. Kumar, K. Anusha, L. Anand, "Improving Medical Communication Process Using Recurrent Networks And Wearable Antenna S-11 Variation With Harmonic Suppressions", Personal and Ubiquitous Computing Journal, 2021. DOI. 10.1007/s00779-021-01526-3. (IF 3.1).
153.B. D. Deebak, F. Al-Turjman, "Robust Lightweight Privacy-Preserving and Session Scheme Interrogation for Fog Computing Systems", Journal of Information Security and Applications, 2021. DOI.10.1016/j.jisa.2020.102689. (IF 2.4)
154.M. Sankayya, R. Sakthivel, N. Gayathri, F. Al-Turjman, "Wireless sensor network–based delay minimization framework for IoT applications", Personal and Ubiquitous Computing, 2021. DOI. 10.1007/s00779-020-01517-w. (IF 3.1)

155.Z. Ameen, S. Serte, F. Al-Turjman, M. Ozsoz, “C-SVR Crispr: Prediction of CRISPR/Cas12 guideRNA activity using deep learning models”, Alexandria Engineering Journal, vol. 60, no. 4, pp. 3501-3508, 2021. (IF 2.5).
156.Rakesh kumar S, Muthramalingam S, F. Al-Turjman, "Multimodal News Feed Evaluation System With Deep Reinforcement Learning Approaches", ACM Transactions on Asian and Low-Resource Language Information Processing, vol. 20, no. 1, pp. 8 – 20, 2021. (IF 5.2)
157.S. Banyal, R. Dwivedi, K. Gupta, D. Sharma, F. Al-Turjman, L. Mostarda, “Technology Landscape for Epidemiological Prediction and Diagnosis of COVID-19”, Computers, Materials & Continua, vol. 67, no. 2,pp.1679-1696, 2021. (IF 4.7)
158.T. Jacob, A. Pravin, M. Ramachandran, F. Al-Turjman, “Differential Spectrum Access for Next Generation Data Traffic in Massive-IoT”, Elsevier Microprocessors and Microsystems, 2021. DOI. 10.1016/j.micpro.2021.103951. (IF 1.5)
159.K. Kumar, M. Ramachandran, F. Al-Turjman, R. Patan, “A Reinforcement Learning Optimization for Future Smart Cities Using Software Defined Networking”, International Journal of Machine Learning and Cybernetics, 2021. DOI. 10.1007/s13042-020-01245-w. (IF 3.84).
160.D. Deebak, F. Al-Turjman, “Secure-User Sign-In Authentication for Pervasive Intelligence in eHealth”,Complex & Intelligent Systems, 2021. DOI. 10.1007/s40747-020-00231-7. (IF 3.8)
161.M. Zivkovic, N. Bacanin K. Venkatachalam, A. Nayyar, A. Djordjevic, I. Strumberger, F. Al-Turjman, “COVID-19 Cases Prediction by using Hybrid Machine Learning and Beetle Antennae Search Approach”,Elsevier Sustainable Cities and Society, vol. 66, 2021. DOI. 10.1016/j.scs.2020.102669. (IF 7.58).
162.S. Punitha, F. Al-Turjman, T. Stephan, “An Automated breast cancer diagnosis using feature selection and parameter optimization in ANN”, Elsevier Computers & Electrical Engineering Journal, 2020. DOI.10.1016/j.compeleceng.2020.106958. (IF 3.8).
163.R. Sekaran, R. Patan, F. Al-Turjman, “A Novel Approach for Efficient Packet Transmission in Volunteered Computing MANET”, ACM Transactions on Internet Technology, vol. 21, no. 4, pp 1–15, 2021.DOI. 10.1145/34182032021. (IF 5.2)
164.N. Jamal, C. Xianqiao, F. Al-Turjman, F. Ullah, “A Deep Learning–based Approach for Emotions Classification in Big Corpus of Imbalanced Tweets”, ACM Transactions on Asian and Low-Resource Language Information Processing, vol. 20, no. 3, pp. 1-6, 2020. (IF 5.2)
165.Z. Qadir, S. Khan, E. Khalaji, H. Munawar, F. Al-Turjman, M. Mahmud, A. Kouzani, K. Le, “Predicting the energy output of hybrid PV-wind renewable energy system using feature selection technique for smart grids”, Energy Reports, 2021. DOI. 10.1016/j.egyr.2021.01.018. (IF 6.9).
166.Z. Qadir, F. Ullah, H. Munawar, F. Al-Turjman, “Addressing disasters in smart cities through UAVs path planning and 5G communications: A systematic review”, Elsevier Computer Communications Journal, vol.168, pp. 114-135, 2021. DOI. 10.1016/j.comcom.2021.01.003. (IF 3.34).
167.M. Xue, F. Al-Turjman and V. Saravanan, “A Labor Safety Performance and Involvement of Workers in Accident Reduction and Prevention”, Aggression and Violent Behavior, 2021. DOI. 10.1016/j.avb.2021.101560. (IF 2.9).
168.P. Kshirsagar, H. Manoharan, F. Al-Turjman, K. Kumar, "Design And Testing Of Automated Smoke Monitoring Sensors In Vehicles”, IEEE Sensors Journal, 2020. DOI. 10.1109/JSEN.2020.3044604. (IF 3.02).
169.K. Dimililer, H. Dindar, F. Al-Turjman, “Deep Learning, Machine Learning and Internet of Things in Geophysical Engineering Applications: An Overview”, Elsevier Microprocessors and Microsystems, 2020. DOI.10.1016/j.micpro.2020.103613. (IF 1.5)
170.B. Rajalingam, F. Al-Turjman, R. Santhoshkumar, M. Rajesh, “ Intelligent Multimodal Medical Image Fusion with Deep Guided Filtering Multimedia Systems”, Multimedia Systems, 2020. DOI. 10.1007/s00530-020-00706-0. (IF 2.0)
171.S. Yadav; K. Agrawal; B. Bhati; F. Al-Turjman; L. Mostarda, “Blockchain-Based Cryptocurrency

Regulation: An Overview", Computational Economics, 2020. DOI. 10.1007/s10614-020-10050-0.
172.J. Rasheed; A. Hamitoglu; C. Dejeddi; A. Jamil; F. Al-Turjman, "A Machine Learning-based framework for diagnosis of COVID-19 from Chest X-ray Images", Interdisciplinary Sciences: Computational Life Sciences,2020. DOI. 10.1007/s12539-020-00403-6.
173.A. Ibrahim, M. Ozsoz , S. Serte, F. Al-Turjman, P. Yakoi, "Pneumonia Classification using Deep Learning from Chest X-ray Images during COVID-19", Cognitive Computation, 2020. DOI. 10.1007/s12559-020-
09787-5. (IF 4.9).
174.F. Al-Turjman, D. Deebak, "Lightweight Authentication for IoT/Cloud-based Forensics in Intelligent Data Computing", Elsevier Future Generation Computer Systems, vol. 116, no. 1, pp. 406-425, 2020. (IF 7.1).
175.V. Srivastava, S. Srivastava, G. Chaudhary, F. Al-Turjman, "A systematic approach for COVID-19 predictions and parameter estimation", Personal and Ubiquitous Computing Journal, 2020. DOI. 10.1007_s00779-020-01462-8. (IF 3.1)
176.D. Deebak, F. Al-Turjman, A. Nayyar, "Chaotic-Map Based Authenticated Security Framework with Privacy Preservation for Remote Point-of-Care", Multimedia Tools and Applications, 2020. DOI. 10.1007/s11042-020-10134-x. (IF 2.3)
177.S. Karmore, R. Bodhe, F. Al-Turjman, R. Kumar, S. Pillai, A. Peshkar, "IoT Based Humanoid Software for Identification and Diagnosis of Covid-19 Suspects", IEEE Sensors Journal, 2020. DOI. 10.1109/JSEN.2020.3030905. (IF 3.02).
178.I. Thaseen, A. Chitturi, F. Al-Turjman, A. Shankar, M. Ghalib, K. Abhishek, "An intelligent ensemble oflong-short-termmemory with genetic algorithm for network anomaly identification", Wiley Transactions on Emerging Telecommunications Technologies, 2020. DOI. 10.1002/ett.4149.
179.F. Al-Turjman, "Editorial: Potential Sensors for the Forthcoming 6G/IoE - Electronics and Physical Communication Aspects". Mobile Netw Appl, 2020. DOI. 10.1007/s11036-020-01671-8.
180.M. Kolhar, F. Al-Turjman, A. Alameen, "Unified Dynamic Bandwidth Allocation Scheme for Ethernet Passive Optical Network in monitoring diverse applications", IEEE Access, vol. 8, no. 1, pp. 216176-216184,2020. (IF 4.04).
181.X. Zhang, N. Zhao, F. Al-Turjman, M. Khan, X. Yang, "An Optimization of the Signal-to-Noise Ratio Distribution of an Indoor Visible Light Communication System Based on the Conventional Layout Model",Sustainability, vol. 12, no. 21, pp. 1-15, 2020. (IF 2.7)
182.S. Malchi, S. Kallam, F. Al-Turjman, R. Patan, "A Trust-based Fuzzy Neural Network for Smart Data Fusion in Internet of Things", Elsevier Computers & Electrical Engineering Journal, vol. 89, pp. 106901, 2021.(IF 3.8).
183.T. Gopalakrishnan; D. Ruby; F. Al-Turjman; D. Gupta; I. Pustokhina; D. Pustokhin; K. Shankar, "Deep Learning Enabled Data Offloading with Cyber Attack Detection Model in Mobile Edge Computing Systems", IEEE Access, vol. 8, pp. 185938-185949, 2020. (IF 4.04).
184.F. Al-Turjman, "A Cognitive Routing Protocol for Bio-inspired Networking in the Internet of NanoThings (IoNT)", Springer Mobile Networks and Applications, vol. 25, no. 5, pp. 1929-1943, 2020. (IF 3.26).
185.M. Ali; S. Kaur; A. Khamparia; D. Gupta; S. Kumar; A. Khanna; F. Al-Turjman, "Security Challenges and Cyber Forensic Ecosystem in IOT Driven BYOD Environment", IEEE Access, vol. 8, no. 1, pp. 172770-172782, 2020. (IF 4.04).
186.T. Stephan, F. Al-Turjman, S. Joseph, B. Balusamy, "Energy and Spectrum Aware Unequal Clustering with Deep Learning based Primary User Classification in Cognitive Radio Sensor Networks", International Journal of Machine Learning and Cybernetics, 2020. DOI, 10.1007/s13042-020-01154-y. (IF 3.84).

187.D. Deebak, F. Al-Turjman, M. Allazab, " "Dynamic-Driven Congestion Control and Segment Rerouting in the 6G-Enabled Data Networks", IEEE Transactions on Industrial Informatics, vol. 17, no. 10, pp. 7165-7173, 2020. DOI. 10.1109/TII.2020.3023944. (IF 9.08).
188.M. Kolhar, F. Al-Turjman, A. Alameen, M. Abualhaj, "A Three Layered Decentralized IoT Biometric Architecture for City Lockdown during COVID-19 Outbreak", IEEE Access, vol. 8, no. 1, pp. 163608-163617, 2020. (IF 4.04).
189.F. Al-Turjman, “Guest Editorial: Next Generation Drone-IoT Integrated Networks”, Elsevier Internet of Things, 2020. DOI. 10.1016/j.iot.2020.100270.
190.M. Ozsoz , A. Ibrahim, S. Serte, F. Al-Turjman, P. Yakoi, "Viral and Bacterial Pneumonia Detection using Artificial Intelligence in the Era of COVID-19”, Research Square, 2020. DOI. 10.21203/rs.3.rs-70158/v1
191.S. Nataraj, F. Al-Turjman, A. Adom, Sitharthan R, and Rajesh M, "Intelligent Robotic Chair with Thought Control and Communication Aid Using Higher Order Spectra Band Features", IEEE Sensors Journal, 2020.DOI. 10.1109/JSEN.2020.3020971. (IF 3.02).
192.F. Al-Turjman, D. Deebak, “Privacy-Aware Energy-Efficient Framework using Internet of Medical Things for COVID-19”, IEEE Internet of Things Magazine, 2020. DOI. 10.1109/IOTM.0001.2000123 (IF 5.76).
193.Z. Ullah, F. Al-Turjman, U. Moatasim, L. Mostarda, R. Gagliardi, “UAVs Joint Optimization Problems and Machine Learning to Improve the 5G and Beyond Communication”, Elsevier Computer Networks Journal,vol. 182, pp. 107478, 2020. DOI. 10.1016/j.comnet.2020.107478 (IF 4.5). (Accepted).
194.F. Ullah, S. Jabbar, F. Al-Turjman, “Programmers’ de-anonymization using a hybrid approach of Abstract Syntax Tree and Deep Learning”, Elsevier Technological Forecasting & Social Change, vol. 159, pp. 120186,2020. DOI. 10.1016/j.techfore.2020.120186 (IF 8.6).
195.M. Rahman, N. Zaman, A. Asyharia, F. Al-Turjman, M. Bhuiyan, M. Zolkipli, “Data-Driven Dynamic Clustering Framework for Mitigating the Adverse Economic Impact of Covid-19 Lockdown Practices”, Elsevier Sustainable Cities and Society, vol. 62, pp. 102372, 2020. (IF 7.58).
196.G. Nagasubramanian, M. Sankayya, F. Al-Turjman, G. Tsaramirsis, “Parkinson Data Analysis And Prediction System Using Multi-Variant Stacked Auto Encoder”, IEEE Access, vol. 8, no. 1, pp. 127004 – 127013, 2020. (IF 4.05).
197.F. Al-Turjman, D. Deebak, “Smart Mutual Authentication Protocol for Cloud Based Medical Healthcare Systems Using Internet of Medical Things”, IEEE Journal on Selected Areas in Communications, 2020. DOI.10.1109/JSAC.2020.3020599. (IF 9.3).
198.R. Ch, R. Patan, F. Al-Turjman, L. Mostarda, "Enhancing the Access Privacy of IDaaS System using SAML Protocol in Fog Computing", IEEE Access, vol. 8, no. 1, pp. 168793-168801, 2020. (IF 4.04).
199.B. Bhati, C. S. Rai, B. Balamurugan, F. Al-Turjman, “An Intrusion Detection Scheme based on the Ensemble of Discriminant Classifiers”, Elsevier Computers & Electrical Engineering Journal, vol. 86, pp. 106742,2020. (IF 3.8).
200.S. Serte, A. Serener, F. Al-Turjman, "Deep learning in medical imaging: A brief review", Wiley Transactions on Emerging Telecommunications Technologies, 2020. DOI. 10.1002/ett.4080. (Accepted).
201.B. Bhati, G. Chugh, F. Al-Turjman, N. Bhati, “An Improved Ensemble based Intrusion Detection Technique using XGBoost”, Wiley Transactions on Emerging Telecommunications Technologies, 2020. DOI.10.1002/ett.4076.
202.D. Deebak, F. Al-Turjman, “A Smart Lightweight Privacy Preservation Scheme for IoT-Based UAV Communication Systems”, Elsevier Computer Communications Journal, vol. 162, no. 1, pp. 102-117, 2020. (IF 3.34).
203.V. Dommaraju, K. Nathani, U. Tariq, F. Al-Turjman, S. Kallam, P. Reddy, R. Patan, "ECMCRR-MPDNL for Cellular Network Traffic Prediction with Big Data", IEEE Access, vol. 8, pp. 113419-113428, 2020. (IF 4.05).

204.P. Chithaluru, F. Al-Turjman, M. Kumar, T. Stephan, “I-AREOR: An energy-balanced clustering protocol for implementing green IoT in smart cities”, Elsevier Sustainable Cities and Society, vol. 61, 2020. DOI.10.1016/j.scs.2020.102254. (IF 7.58)
205.A. Bharadwaj, F. Al-Turjman, M. Kumar, T. Stephan, L. Mostarda, "Capturing-the-Invisible (CTI): Behavior-based Attacks Recognition in IoT-oriented Industrial Control Systems", IEEE Access, vol. 8, no.1, pp. 104956-104966, 2020. (IF 4.05)
206.F. Al-Turjman, D. Deebak, “A Novel Community-Based Trust Aware Recommender Systems for Big Data Cloud Service Networks”, Elsevier Sustainable Cities and Society, vol. 61, 2020. DOI. 10.1016/j.scs.2020.102274. (IF 7.58)
207.A. Barua, Z. Zhang, F. Al-Turjman; X. Yang, "Cognitive Intelligence for Monitoring Fractured PostSurgery Ankle Activity Using Channel Information", IEEE Access, vol. 8, pp. 112113-112129, 2020. (IF4.05).
208.F. Al-Turjman, J. Lemayian, “Intelligence, Security, and Vehicular Sensor Networks in Internet of Things(IoT)-enabled Smart-cities: An Overview”, Elsevier Computers & Electrical Engineering Journal, vol. 87, pp.106776, 2020. (IF 3.8).
209.S. Chaudhry, H. Alhakami, A. Baz, F. Al-Turjman, “Securing Demand Response Management: A Certificate-Based Access Control in Smart Grid Edge Computing Infrastructure”, IEEE Access, vol. 8, no. 1, pp. 101235 – 101243, 2020. (IF 4.05).
210.V. Menon, S. Jacob, S. Joseph, P. Sehdev, M. Khosravi, F. Al-Turjman, “An IoT-Enabled Intelligent Automobile System for Smart Cities”, Elsevier Internet of Things, 2020. DOI. 10.1016/j.iot.2020.100213.(Best Research Paper Award).
211.R. Sekaran, R. Patan, A. Raveendran, F. Al-Turjman, M. Ramachandran, L. Mostarda, "Survival Study on Blockchain based 6G-Enabled Mobile Edge Computation for IoT Automation", IEEE Access, vol. 8, no. 1,pp. 143453-143463, 2020. (IF 4.04).
212.F. Al-Turjman, Z. Qadir, M. Abujubbeh, C. Batunlu, “Feasibility Analysis of Solar Photovoltaic-Wind Hybrid Energy System for Household Applications” , Elsevier Computers & Electrical Engineering Journal, vol.86, pp. 106743, 2020. (IF 3.8).
213.M. Al-hababi, M. Khan, F. Al-Turjman, N. Zhao, X. Yang, “Non-Contact Sensing Testbed for PostSurgery Monitoring by Exploiting Artificial-Intelligence”, Applied Sciences, vol. 10, no. 14, pp. 4886, 2020.(IF 2.76).
214.F. Ullah, F. Al-Turjman, A. Nayyar, “IoT-based Green City Architecture using Secured and Sustainable android services”, Elsevier Environmental Technology & Innovation, vol. 20, no. 1, pp. 101091, 2020. (IF 5.3).
215.S. Chaudhry, K. Yahya, F. Al-Turjman, "A secure and reliable device access control scheme for IoT based sensor cloud systems", IEEE Access, vol. 8, no. 1, pp. 139244 – 139254, 2020. (IF 4.04).
216.P. Yan, S. Choudhury, F. Al-Turjman, I. Al-Oqily, “An Energy-Efficient Topology Control Algorithm for Optimizing the Lifetime of Wireless Ad-hoc IoT Networks in 5G and B5G”, Elsevier Computer Communications Journal, vol. 159, pp. 83-96, 2020. (IF 3.34).
217.K. Malik, M. Ahmad, S. Khalid, H. Ahmad, F. Al-Turjman, S. Jabbar, “Image and command hybrid model for vehicle control using Internet of Vehicles”, Wiley Transactions on Emerging Telecommunications Technologies, vol. 31, no. 5, 2020.
218.A. Waheed, M. Goyal, D. Gupta, A. Khanna, F. Al-Turjman, P. R. Pinheiro, “CovidGAN: Data Augmentation using Auxiliary Classifier GAN for Improved Covid-19 Detection”, IEEE Access, vol. 8, pp. 91916-91923, 2020. (IF 4.05).
219.J. Jin, W. Sun, F. Al-Turjman, M. Khan, X. Yang, “Activity Pattern Mining for Healthcare”, IEEE Access, vol. 8, no. 1, pp. 56730-56738, 2020. (IF 4.05).

220.F. Al-Turjman, D. Deebak, “Seamless Authentication: For IoT-Big Data Technologies in Smart Industrial Application Systems”, IEEE Transactions on Industrial Informatics, vol. 17, no. 4, pp. 2919-2927, 2020. (IF 9.08).
221.F. Al-Turjman, “COVID-19 special issue: Intelligent solutions for computer communication-assisted infectious disease diagnosis”, Wiley Expert Systems, 2020. DOI. 10.1111/exsy.12574. (IF 2.5)
222.U. Ibrahim, M. Ozsos, F. Al-Turjman, "Futuristic CRISPR-based biosensing in the Cloud and Internet of Things Era: An Overview", Multimedia Tools and Applications, 2020. DOI: 10.1007/s11042-020-09010-5. (IF2.1)
223.Q. Zhang, Y. Li, F. Al-Turjman, X. Yang, “Transient ischemic attack analysis through non-contact approaches”, Hum. Cent. Comput. Inf. Sci., vol. 10, no. 1, 2020. DOI. 10.1186/s13673-020-00223-z (IF 3.2)
224.L. Mostarda1, A. Navarra, F. Nobili, F. Al-Turjman, “Fast and Efficient UAVs Data Collection by using Multiple Interfaces”, EURASIP Journal on Wireless Communications and Networking, 2020. (IF 2.6)
225.A. Murugesan, B. Saminathan, F. Al-Turjman, R. Lakshmana, “Analysis On Homomorphic Technique For Data Security In Fog Computing”, Wiley Transactions on Emerging Telecommunications Technologies, vol. 32,no. 9, pp. 1 – 16, 2021. DOI. 10.1002/ett.3990.
226.A. Barua; C. Dong; F. Al-Turjman; X. Yang, "Edge Computing-Based Localization Technique to Detecting Behavior of Dementia", IEEE Access, vol. 8, no. 1, pp. 82108-82119, 2020. (IF 4.05).
227.T. Stephan, F. Al-Turjman, K. Joseph, B. Balusamy, S. Srivastava, “Artificial intelligence inspired energy and spectrum aware cluster based routing protocol for cognitive radio sensor networks”, Journal of Parallel and Distributed Computing, vol. 142, no. 1, pp. 90-105, 2020.
228.A. Nayyar, F. Al-Turjman and L. Mostarda, "Proficient QoS-Based Target Coverage Problem in Wireless Sensor Networks", IEEE Access, vol. 8, no. 1, pp. 74315-74325, 2020. (IF 4.05).
229.N. Kadjouh; A. Bounceur; M. Bezoui; M. Khanouche; R. Euler; M. Hammoudeh; L. Lagadec; S. Jabbar; F.Al-Turjman, “A Dominating Tree based Leader Election Algorithm for Smart Cities IoT Infrastructure”,Springer Mobile Networks and Applications, 2020. (IF 3.26).
230.D. Deebak, F. Al-Turjman, M. Aloqaily, O. Alfandi, “IoT-BSFCAN: A Smart Context-Aware System in IoT-Cloud using Mobile-Fogging”, Elsevier Future Generation Computer Systems, vol. 109, pp. 368-381, 2020.(IF 7.1). . (Best Research Paper Award).
231.Q. Salih, M. Arafaturrahman, F. Al-Turjman, and Z. Rizal, "Smart Routing Management Framework Exploiting Dynamic Data Resources of Cross-Layer Design and Machine Learning Approaches for Mobile Cognitive Radio Networks: A Survey”, IEEE Access, vol. 8, no. 1, pp. 67835-67867, 2020. (IF 4.05).
232.H. Zahmatkesh, F. Al-Turjman, “Fog Computing for Sustainable Smart Cities in the IoT Era: Caching Techniques and Enabling Technologies - An Overview”, Elsevier Sustainable Cities and Society, vol. 59, 102139, 2020. (IF 7.58)
233.M. Al-hababi; M. Khan; F. Al-Turjman; N. Zhao; X. Yang, "Ubiquitous Intelligent Edge Computing Testbed for Post-Surgery Monitoring by Machine Learning Algorithms", Journal of Cloud Computing, 2020.(IF 2.14).
234.A. Murugesan, S. Balamurali, F. Al-Turjman, L. Ramsamy, "A Lightweight Authentication And Secure Data Access Between Fog And IoT User", International Journal of Electronic Business, Vol. 16, No. 1, 2021.
235.U. Dhamodharan, P. SunilGavaska, F. Al-Turjman, R. Sathiyaraj, B. Balusamy, “Artificial Bee Colony Method for Identifying Eavesdropper in Terrestrial Cellular Networks”, Wiley Transactions on Emerging Telecommunications Technologies, vol. 32, no. 7, 2021. DOI: 10.1002/ett.3941.
236.R. Sakthivel, G. Nagasubramanian, F. Al-Turjman, M. Sankayya, "Core-level cybersecurity assurance using cloud-based adaptive machine learning techniques for manufacturing industry", Wiley Transactions on Emerging Telecommunications Technologies, 2020. DOI: 10.1002/ett.3947.
237.S. Malchi, S. Kallam, F. Al-Turjman, R. Patan, “Trust Based Fuzzy Neural Network Approach for

Designing a Smart Data Fusion for Internet of Things", Elsevier Computers & Electrical Engineering Journal,2020. (Accepted). (IF 3.8).
238.A. Naz, H. Asif, T. Umer, S. Ayub, F. Al-Turjman, "Trilateration-based indoor localization engineering technique for visible light communication system", Wiley - Software: Practice and Experience, 2020. DOI.10.1002/spe.2823.
239.F. Al-Turjman, H. Osuli, "AI for Dynamic Packet Size Optimization of BatteryLess IoT nodes: A case study for Wireless Body Area Sensor Networks", Neural Computing and Applications, vol. 32, no. 20, pp.16167-16178, 2020. (IF 5.6).
240.U. Ulusar, F. Al-Turjman, G. Celik, "Cognitive RF-based localization for mission-critical applications in smart cities: An overview", Elsevier Computers & Electrical Engineering Journal, vol. 87, 2020. DOI. 10.1016/j.compeleceng.2020.106780. (IF 3.8).
241.Z. Ali, S. Chaudhry, M. Sher, F. Al-Turjman, "Securing Smart City Surveillance: A Lightweight Authentication Mechanism for Unmanned Vehicles", IEEE Access, vol. 8, no. 1, pp. 43711-43724, 2020. (IF 4.05).
242.T. Zilani, F. Al-Turjman, M. Khan, N. Zhao, X. Yang, "Monitoring Movements of Ataxia Patient by using UWB Technology", Sensors, vol. 20, no. 3, pp. 931, 2020. DOI. 10.3390/s20030931. (IF 3.01)
243.S. Chaudhry, T. Shon, F. Al-Turjman, M. Alsharif, "Correcting Design Flaws: An Improved and Cloud Assisted Key agreement scheme in Cyber Physical Systems", Elsevier Computer Communications Journal, vol.153, no. 1, pp. 527-537, 2020. (IF 3.34).
244.S. K. Malchi, S. Kallam, F. Al-Turjman, R. Patan, "Trust Based Fuzzy Neural Network Approach for Designing Smart Data Fusion for Internet of Things", Elsevier Computers & Electrical Engineering Journal,2020. (Accepted). (IF 3.8).
245.D. Deebak, F. Al-Turjman, and L. Mostarda, "Seamless Secure Anonymous Authentication for CloudBased Mobile Edge Computing", Elsevier Computers & Electrical Engineering Journal, vol. 87, no. 106782,2020. DOI. 10.1016/j.compeleceng.2020.106782. (IF 3.8).
246.Z. Ullah, F. Al-Turjman and L. Mostarda, R. Gagliardi, "Applications of Artificial Intelligence And Machine Learning in Smart Cities" Elsevier Computer Communications Journal, vol. 154, pp. 313-323, 2020. (IF 3.34)
247.Z. Ullah, F. Al-Turjman and L. Mostarda, "Cognition in UAV-Aided 5G and Beyond Communications: A Survey", IEEE Transactions on Cognitive Communications and Networking, vol. 6, no. 3, pp. 872-891, 2020. (IF 8.0)
248.S. Hu, A. Kumar, F. Al-Turjman, S. Gupta, S. Seth, and Shubham, "Reviewer Credibility and Sentiment Analysis based User Profile Modelling for Online Product Recommendation", IEEE Access, vol. 8, no. 1, pp.26172-26189, 2020. (IF 4.05).
249.R. Gupta, S. Tanwar, P. Italiya, F. Al-Turjman, A. Nauman, S. Kim, "Smart Contract Privacy Protection using AI in Cyber-Physical Systems: Tools, Techniques, and Challenges", IEEE Access, vol. 8, no. 1, pp.24746-24772, 2020. (IF 4.05).
250.Y. Qadri, R. Ali, A. Musaddiq, F. Al-Turjman, D. Kim, S. Kim, "The limitations in the state-of-the-art counter-measures against the security threats in H-IoT", Cluster Computing, vol. 23, pp. 2047–2065, 2020.
DOI. 10.1007/s10586-019-03036-7. (IF 3.45).
251.F. Al-Turjman, U. Ulusar, M. Nawaz, "Intelligence in the Internet of Medical Things Era: A Systematic Review of Current and Future Trends", Elsevier Computer Communications Journal, vol. 150, no. 15, pp. 644-660, 2020. (IF 3.34).
252.F. Al-Turjman, M. Abujubbeh, A. Malekoo, L. Mostarda, "UAVs Assessment in Software-Defined IoT Networks: An Overview", Elsevier Computer Communications Journal, vol. 150, no. 15, pp. 519-536, 2020.(IF 3.34).
253.E. Ever, E. Gemikonakli, H. Nguyen, F. Al-Turjman, A. Yazici, "Performance Evaluation of Hybrid

Disaster Recovery Framework with D2D Communications", Elsevier Computer Communications Journal, vol. 152, no. 15, pp. 81-92, 2020. (IF 3.34).
254.L. Guan, F. Hu, F. Al-Turjman, M. B. Khan, X. Yang, "A Non-contact Paraparesis Detection Technique Based on 1D-CNN", IEEE Access, vol. 7, no. 1, 182280-182288, 2019. (IF 4.05).
255.F. Al-Turjman, and C. Altrjman, "Enhanced Medium Access for Traffic Management in Smart-cities'Vehicular-Cloud", IEEE Intelligent Transportation Systems Magazine, 2020. DOI. 10.1109/MITS.2019.2962144 (IF 3.3)
256.S. Liu, C. Guo, F. Al-Turjman, K. Muhammad, V. Albuquerque, "Reliability of Response Region: A Novel Mechanism in Visual tracking by Edge Computing for IIoT Environments", Elsevier Mechanical Systems and Signal Processing, vol. 138, pp. 106537, 2020. (Accepted). (IF 5.08)
257.D. Deebak, F. Al-Turjman, "A Hybrid Secure Routing and Monitoring Mechanism in IoT-based Wireless Sensor Networks", Elsevier Ad Hoc Networks Journal, vol. 97, 2020. DOI. 10.1016/j.adhoc.2019.102022 (IF 3.49)
258.D. Deebak, F. Al-Turjman, L. Mostarda, "Energy Aware Resource Allocation in Multi-Hop Multimedia Routing via the Smart Edge Device", IEEE Access, vol. 7, no. 1, pp. 151203-151214, 2019. (IF 4.05).
259.F. Al-Turjman, H. Zahmatkesh, I. Aloqily, R. Dabol, "Optimized Unmanned Aerial Vehicles Deployment for Static and Mobile Targets' Monitoring", Elsevier Computer Communications Journal, vol. 149, pp. 27-35,2020. (IF 3.34).
260.D. Deebak, F. Al-Turjman, M. Aloqaily, O. Alfandi, "An Authentic-Based Privacy Preservation Protocol for Smart e-Healthcare Systems in IoT" IEEE Access, vol. 7, no. 1, pp. 135632-135649, 2019. (IF 4.05).
261.M. Poongodi, V. Vijayakumar, F. Al-Turjman, M. Hamdi, M. Ma, "Intrusion prevention system for DDoS attack on VANET with reCAPTCHA controller using information based metrics" IEEE Access, vol. 7, no.1, pp. 158481-158491, 2019. (IF 4.05).
262.S. Jacob, V. Menon, F. Al-Turjman, V. P. G., L. Mostarda "Artificial Muscle Intelligence System with Deep Learning for Post-Stroke Assistance and Rehabilitation", IEEE Access, vol. 7, no. 1, pp. 133463 - 133473,2019. (IF 4.05).
263.F. Ullah, H. Naeem, M. Naeem, S. Jabbar, S. Khalid, F. Al-Turjman, "Detection of Clone Scammers in Android Markets using IoT-based Edge Computing", Wiley Transactions on Emerging Telecommunications Technologies, 2019. DOI: 10.1002/ett.3791.
264.J. Wang, S. Jabbar, F. Al-Turjman, M. Alazab, "Source Code Authorship Attribution using hybrid approach of Program Dependence Graph and Deep learning Model", IEEE Access, vol. 7, no. 1, pp. 141987-141999, 2019. (IF 4.05).
265.K. Malik, M. Ahmad, S. Khalid, H. Ahmad, F. Al-Turjman, S. Jabbar, "Image and Command Hybrid Model for Vehicles Control using Internet of Vehicles (IoV)", Wiley Transactions on Emerging Telecommunications Technologies, 2019. (Accepted).
266.R. Kulandaivel, M. Balasubramaniam, F. Al-Turjman, L. Mostarda, M. Ramachandran, R. Patan, "Intelligent Data Delivery Approach for Smart Cities Using Road Side Units" IEEE Access, vol. 7, no. 1, pp. 139462-139474, 2019. (IF 4.05).
267.N. Hurrah, J. A. Sheikh, F. Al-Turjman, K. Muhammad, S. Parah, "Secure Data Transmission Framework for Confidentiality in IoTs", Elsevier Ad Hoc Networks Journal, vol. 98, no. 1, pp. 101989, 2019. (IF 3.49)
268.S. Jabbar; S. Khalid; M. Latif; F. Al-Turjman; L. Mostarda, "Cyber Security Threats detection in Internet of Things using Deep Learning approach", IEEE Access, vol. 7, no. 1, pp. 124379-124389, 2019. (IF 4.05).
269.M. Haddad, E. Ever, M. Fahriauglo, F. Al-Turjman, "Aiming for smart wind energy: A comparison analysis between wind speed forecasting techniques", Wiley Transactions on Emerging Telecommunications Technologies, 2019. DOI: 10.1002/ett.3749.
270.X. Liu, C-C. Lin, K. Muhammad, F. Al-Turjman and S-M. Yuan, "Joint Data Hiding and Compression

Scheme Based on Modified BTC and Image Inpainting", IEEE Access, vol. 7, no. 1, pp. 116027-116037, 2019.(IF 4.05).
271.D. Deebak, F. Al-Turjman, L. Mostarda, “A Hash-Based RFID Authentication Mechanism for ContextAware Management in IoT-Based Multimedia Systems”, Sensors 2019, 19, 3821. (IF 3.01)
272.F. Al-Turjman, “Intelligence and Security in Big 5G-oriented IoNT: An Overview”, Elsevier Future Generation Computer Systems, vol. 102, no. 1, pp. 357-368, 2020. (IF 7.1).
273.F. Al-Turjman, H. Zahmatkesh, L. Mostarda, “Quantifying Uncertainty in Internet of Medical Things and Big-Data Services Using Intelligence and Deep Learning”, IEEE Access, vol. 7, no. 1, pp. 115749-115759,2019. (IF 4.05).
274.F. Al-Turjman, “A Rational Data Delivery Framework for Disaster-inspired Internet of Nano-Things (IoNT) in Practice”, Springer Cluster Computing, vol. 22, Suppl. 1, pp 1751–1763, 2019. (IF 3.45)
275.M. Abujubbeh, F. Al-Turjman, and M. Fahriauglo, “Software-defined wireless sensor networks in smart grids: An overview”, Elsevier Sustainable Cities and Society, vol. 51, pp. 101754, 2019. (IF 7.58)
276.F. Al-Turjman, E. Ever, Y. BinZikria, S. W. Kim, and A. Elmahgoubi, “SAHCI: Scheduling Approach for Heterogeneous Content-centric IoT Applications”, IEEE Access, vol. 7, no. 1, pp. 80342-80349, 2019. (IF 4.05)
277.F. Al-Turjman, A. Malekoo, “Smart Parking in IoT-enabled Cities: A Survey”, Elsevier Sustainable Cities and Society, vol. 49, pp. 101608, 2019. (IF 7.58)
278.F. Al-Turjman, H. Zahmatkesh, "An Overview of Security and Privacy in Smart Cities’ IoT Communications", Wiley Transactions on Emerging Telecommunications Technologies, vol. 33, no. 3, pp. 1-19,2022. DOI. 10.1002/ett.3677. (Top Downloaded Paper)
279.F. Al-Turjman, L. J. Poncha, S. Alturjman, L. Mostarda, “Enhanced Deployment Strategy for the 5G Drone-BS Using Artificial Intelligence”, IEEE Access, vol. 7, no. 1, pp. 75999-76008, 2019. (IF 4.05)
280.S. Alabady and F. Al-Turjman, Clarifications on the “Comments on “A novel approach of error detection and correction for efficient energy in wireless networks””, Springer Multimedia Tools and Applications, 2019. DOI. 10.1007/s11042-019-7546-z. (IF 2.1)
281.S. Alabady and F. Al-Turjman, “A novel approach of error detection and correction for efficient energy in wireless networks”, Springer Multimedia Tools and Applications, vol. 78, no. 2, pp. 1345-1373, 2019. (IF2.1)
282.F. Al-Turjman, "A Novel Approach for Drones positioning in Mission Critical Applications", Wiley Transactions on Emerging Telecommunications Technologies, vol. 33, no. 3, pp. 1-13, 2022. DOI. 10.1002/ett.3603.
283.F. Al-Turjman, et. al., "The Green Internet of Things (G-IoT)," Wireless Communications and Mobile Computing, vol. 2019, Article ID 6059343, 2 pages, 2019. DOI. 10.1155/2019/6059343.
284.F. Campioni, S. Choudhury and F. Al-Turjman, "Scheduling RFID Networks in the IoT and Smart Health Era” Journal of Ambient Intelligence and Humanized Computing, vol. 10, no. 10, pp. 4043-4057, 2019. (IF4.56)
285.I. Mehmood, A. Ullah, K. Muhammad, D. Deng, W. Meng, F. Al-Turjman, M. Sajjad, V. Albuquerque,“Efficient Image Recognition and Retrieval on IoT-Assisted Energy-Constrained Platforms from Big Data Repositories” IEEE Internet of Things, vol. 6, no. 6, pp. 9246-9255, 2019. (IF 9.86).
286.F. Al-Turjman, and K. Killic, “LaGOON: a simple energy-aware routing protocol for wireless nanosensor networks”, IET Wireless Sensor Systems, vol. 9, no. 3, pp. 110-118, 2019.
287.F. Al-Turjman, M. Z. Hasan, and H. Al-Rizzo, “Task Scheduling in Cloud-based Survivability Applications Using Swarm Optimization in IoT”, Transactions on Emerging Telecommunications, vol. 30, no. 8, 2019. DOI.10.1002/ett.3539.
288.F. Al-Turjman, and S. Alturjman, “5G/IoT-Enabled UAVs for Multimedia Delivery in Industry-oriented Applications”, Springer’s Multimedia Tools and Applications Journal, vol. 79, no. 13-14, pp. 8627-8648, 2020.

289.F. Al-Turjman, and A. Abdulsalam, "Smart-Grid and Solar Energy Harvesting in the IoT Era: An Overview" Wiley's Concurrency and Computation: Practice and Experience, 2018. DOI. 10.1002/cpe.4896.
290.S. Alabady, F. Al-Turjman, and S. Din, "A Novel Security Model for Cooperative Virtual Networks in the IoT Era", Springer International Journal of Parallel Programming, vol. 48, pp. 280–295, 2020.
291.F. Al-Turjman, "The Road Towards Plant Phenotyping via WSNs: An Overview", Elsevier Computers &Electronics in Agriculture, vol. 161, pp. 4-13, 2019. (IF 3.17).
292.D. Deebak, E. Ever, F. Al-Turjman, "Analyzing Enhanced Real Time Uplink Scheduling Algorithm in 3GPP LTE-Advanced Networks Using Multimedia Systems", Transactions on Emerging Telecommunications, vol. 29. no. 10, pp. e3443, 2018.
293.F. Al-Turjman, and M. Abujubbeh, "IoT-enabled Smart Grid via SM: An Overview", Elsevier Future Generation Computer Systems, vol. 96, no. 1., pp. 579-590, 2019. (IF 7.1).
294.F. Al-Turjman, C. Altrjman, S. Din, and A. Paul, "Energy Monitoring in IoT-based Ad Hoc Networks: An Overview", Elsevier Computers & Electrical Engineering Journal, vol. 76, pp. 133-142, 2019. (IF 3.8)
295.F. Al-Turjman, L. Mostarda, E. Ever, A. Darwish, and N. Shekh Khalil, "Network Experience Scheduling and Routing Approach For Big Data Transmission in the Internet of Things," IEEE Access, vol. 7, no. 1, pp.14501-14512, 2019. (IF 4.05).
296.S. B. Amor; M. Bejar; E. Dhahri; K. Khirouni; M.A. Valente; M.P.F. Graça; F. Al-Turjman; J. Rodriguez;A. Radwan, "Modulation of magnetism and study of impedance and alternating current conductivity of Zn0.4Ni0.6Fe2O4 spinel ferrite", Elsevier Journal of Molecular Structure, vol. 1184, pp. 298-304, 2019. (IF 2.5).
297.F. Al-Turjman, E. Ever, H. Zahmatkesh, "Small Cells in the Forthcoming 5G/IoT: Traffic Modelling and Deployment Overview", IEEE Communications Surveys and Tutorials, vol. 21, no. 1, pp. 28-65, 2019. (IF 23.7).
298.B. Kizilkaya, M. Caglar, F. Al-Turjman, E. Ever, "Binary Search Tree Based Hierarchical Placement Algorithm for IoT Based Smart Parking Applications", Elsevier Internet of Things: Engineering Cyber Physical Human Systems, vol. 5, no. 1, pp. 71-83, 2019.
299.S. Alabady and F. Al-Turjman, "A Novel Approach for Error Detection and Correction for Efficient Energy in Wireless Networks", Springer Multimedia Tools and Applications, vol. 78, no. 2, pp 1345–1373,2019.
300.A. Alchihabi, A. Dervis, E. Ever, F. Al-Turjman, "A Generic Framework for Optimizing Performance Metrics by Tuning Parameters of Clustering Protocols in WSNs", Springer Wireless Networks, vol. 25, no.3, pp. 1031-1046, 2019.
301.F. Al-Turjman, "Smart Cities and Smart Sensory Platforms", IET Wireless Sensor Systems, vol. 8, no. 6, pp. 247-248, 2018.
302.F. Al-Turjman, "Cognitive Routing Protocol for Disaster-inspired Internet of Things", Elsevier Future Generation Computer Systems, vol. 92, 1103-1115, 2019. (IF 7.1).
303.F. Al-Turjman, "5G-enabled Devices and Smart-Spaces in Social-IoT: An Overview", Elsevier Future Generation Computer Systems, , vol. 92, no. 1, pp. 732-744, 2019. (IF 7.1).
304.M. Z. Hasan, and F. Al-Turjman, "SWARM-based data delivery in Social Internet of Things", Elsevier Future Generation Computer Systems, vol. 92, no. 1, pp. 821-836, 2019. (IF 7.1).
305.F. Al-Turjman, "Cognitive-Node Architecture and a Deployment Strategy for the Future WSNs", Springer Mobile Networks and Applications, vol. 24, no. 5, pp. 1663-1681, 2019. (IF 3.26).
306.S. Demir and F. Al-Turjman, "Energy Scavenging Methods for WBAN Applications: A Review", IEEE Sensors Journal, vol. 18, no. 16, pp. 6477-6488, 2018.
307.F. Al-Turjman, and S. Alturjman, "Confidential Smart-Sensing Framework in the IoT Era", The Springer Journal of Supercomputing, vol. 74, no. 10, pp. 5187-5198, 2018. (IF 2.5).

308.S. Alabady, and F. Al-Turjman, “Low Complexity Parity Check Code for Futuristic Wireless Networks Applications”, IEEE Access Journal, vol. 6, no. 1, pp. 18398 – 18407, 2018. (IF 4.05).
309.S. Choudhury and F. Al-Turjman, "Dominating Set Algorithms for Wireless Sensor Networks Survivability” IEEE Access Journal, vol. 6, no. 1, pp. 17527 – 17532, 2018. (IF 4.05).
310.F. Al-Turjman, and S. Alturjman, “Context-sensitive Access in Industrial Internet of Things (IIoT) Healthcare Applications”, IEEE Transactions on Industrial Informatics, vol. 14, no. 6, pp. 2736-2744, 2018. (IF 9.08).
311.F. Al-Turjman, “Fog-based Caching in Software-Defined Information-Centric Networks”, Elsevier Computers & Electrical Engineering Journal, vol. 69, no. 1, pp. 54–67, 2018. (IF 3.8)
312.F. Al-Turjman, “QoS–aware Data Delivery Framework for Safety-inspired Multimedia in Integrated Vehicular-IoT”, Elsevier Computer Communications Journal, vol. 121, pp. 33-43, 2018. (IF 3.34).
313.M. Z. Hasan, and F. Al-Turjman, “Analysis of Cross-layer Design of Quality-of-Service Forward Geographic Wireless Sensor Network Routing Strategies in Green Internet of Things”, IEEE Access Journal, vol. 6, no. 1, pp. 20371-20389, 2018. (IF 4.05).
314.S. Alabady and F. Al-Turjman, “LCPC Error Correction Code for Internet of Things Applications”, Elsevier Sustainable Cities and Society, vol. 42, pp. 663-673, 2018. (IF 7.58)
315.F. Al-Turjman, “Modelling Green Femtocells in Smart-grids”, Springer Mobile Networks and Applications, vol. 23, no. 4, pp. 940-955, 2018. (IF 3.26).
316.F. Al-Turjman, E. Ever, H. Zahmatkesh, “Green Femtocells in the IoT Era: Traffic Modelling and Challenges – An Overview”, IEEE Networks Magazine, vol. 31, no. 6, pp. 48-55, 2017. (IF 7.23).
317.F. Al-Turjman, “Mobile Couriers’ Selection for the Smart-grid in Smart cities’ Pervasive Sensing”, Elsevier Future Generation Computer Systems, vol. 82, no. 1, pp. 327-341, 2018. (IF 7.1).
318.F. Al-Turjman, “Energy–aware Data Delivery Framework for Safety-Oriented Mobile IoT”, IEEE Sensors Journal, vol. 18, no. 1, pp. 470 – 478, 2017.
319.F. Al-Turjman, “Optimized Hexagon-based Deployment for Large-Scale Ubiquitous Sensor Networks”, Springer's Journal of Network and Systems Management, vol. 26, no. 2, pp. 255-283, 2018.
320.F. Al-Turjman, M. Imran, “Energy Efficiency Perspectives of Femtocells in Internet of Things: Recent Advances and Challenges”, IEEE Access Journal, vol. 5, pp. 26808 – 26818, 2017. (IF 4.05).
321.F. Al-Turjman, “Information-Centric Framework for the Internet of Things (IoT): Traffic Modelling & Optimization”, Elsevier Future Generation Computer Systems, vol. 80, no. 1, pp. 63-75, 2017. (IF 7.1).
322.M. Z. Hasan, and F. Al-Turjman, “Optimizing Multipath Routing With Guaranteed Fault Tolerance in Internet of Things”, IEEE Sensors Journal, vol. 17, no. 19, 6463-6473, 2017.
323.M. Z. Hasan, and F. Al-Turjman, “Evaluation of a Duty-Cycled Asynchronous X-MAC Protocol for Vehicular Sensor Networks”, EURASIP Journal on Wireless Communications and Networking, vol. 2017, no. 1, pp. 95, 2017. (IF 2.4)
324.E. Ever, F. Al-Turjman, H. Zahmatkesh, and M. Riza, “Modelling Green HetNets in Presence of Failures for Dynamic Large-Scale Applications: A Case-study for Fault Tolerant Femtocells in Smart cities”, Elsevier Computer Networks Journal, vol. 128, pp. 78-93, 2017. (IF 4.5).
325.F. Al-Turjman, “Price-based Data Delivery Framework for Dynamic and Pervasive IoT”, Elsevier Pervasive and Mobile Computing Journal, vol. 42, pp. 299-316, 2017.
326.F. Al-Turjman, Y. K. Ever, E. Ever, H. Nguyen, D. Deebak, “Seamless Key Agreement Framework for Mobile-Sink in IoT based Cloud-centric Secure Public Safety Networks”, IEEE Access, vol. 5, no. 1, pp. 24617-24631, 2017. (IF 4.05).
327.F. Al-Turjman, A. Radwan, S. Mumtaz, and J. Rodriguez, “Mobile Traffic Modelling for Wireless Multimedia Sensor Networks in IoT”, Elsevier Computer Communications Journal, vol. 112, no. 1, pp. 109-115, 2017. (IF 3.34).

328.F. Al-Turjman, and A. Radwan, “Data Delivery in Wireless Multimedia Sensor Networks: Challenging & Defying in the IoT Era”, IEEE Wireless Communications Magazine, vol. 24, no. 5, pp. 126 – 131, 2017. (IF 10.97).
329.M. Z. Hasan, H. Al-Rizzo and F. Al-Turjman, “A Survey on Multipath Routing Protocols for QoS Assurances in Real-Time Multimedia Wireless Sensor Networks”, IEEE Communications Surveys and Tutorials, vol. 19, no. 3, pp. 1424-1456, 2017. (IF 22.9).
330.F. Al-Turjman, “Vehicular Speed Management in Smart-cities”, International Journal of Advances in Electronics and Computer Science, vol. 4, no. 3, pp. 1-9, 2017.
331.M. Z. Hasan, F. Al-Turjman and H. Al-Rizzo, “Optimized Multi-Constrained Quality-of-Service Multipath Routing Approach for Multimedia Sensor Networks”, IEEE Sensors Journal, vol. 17, no. 7, pp. 2298-2309,2017.
332.F. Al-Turjman, M. Gunay, and I. Küçükoğlu, “The Road to Dynamic Future Internet via Content Characterization”, Annals of Telecommunications, vol. 72, no. 3, pp. 209-219, 2017.
333.F. Al-Turjman, M. Imran, A. Vasilakos, “Value-based Caching in Information-Centric Wireless Body Area Networks”, Sensors Journal, vol. 17, no. 1, pp. 1-19, 2017. (IF 3.01)
334.F. Al-Turjman, M. Karakoc, and M. Gunay, “Path Planning for Mobile DCs in Future Cities”, Annals of Telecommunications, vol. 72, no. 3, pp. 119-129, 2017.
335.F. Al-Turjman, “Information-centric sensor networks for cognitive IoT: an overview”, Annals of Telecommunications, vol. 72, no. 1, pp. 3-18, 2017.
336.G. Singh, and F. Al-Turjman, “A Data Delivery Framework for Cognitive Information-Centric Sensor Networks in Smart Outdoor Monitoring”, Elsevier Computer Communications Journal, vol. 74, no. 1, pp. 38-51, 2016. (Best Research Paper Award).
337.G. Singh, and F. Al-Turjman, “Learning Data Delivery Paths in QoI-Aware Information-Centric Sensor Networks”, IEEE Internet of Things Journal, vol. 3, no. 4, pp. 572 – 580, 2016. (IF 9.59).
338.F. Al-Turjman, and M. Gunay, “CAR Approach for the Internet of Things (IoT)”, IEEE Canadian Journal of Electrical and Computer Engineering, vol. 39, no. 1, pp. 11 – 18, Winter, 2016.
339.M. Gunay, F. Al-Turjman, I. Küçükoğlu, and Y. Simsek, “A Novel Architecture for Data-Repeaters in the Future Internet”, IEEE Canadian Journal on Electrical and Computer Engineering, vol. 38, no. 4, pp. 300 –306, Fall, 2015.
340.F. Al-Turjman, H. Hassanein, and M. Ibnkahla, “Towards prolonged lifetime for deployed WSNs in outdoor environment monitoring”, Elsevier Ad Hoc Networks Journal, vol. 24, no. A, pp. 172 – 185, Jan.,2015.
341.A. Al-Fagih, F. Al-Turjman, W. Alsalih and H. Hassanein, “A priced public sensing framework for heterogeneous IoT architectures,” IEEE Transactions on Emerging Topics in Computing, vol. 1, no. 1, pp. 135-147, Oct. 2013.
342.F. Al-Turjman, H. Hassanein, S. Oteafy, and W. Alsalih, “Towards augmenting federated wireless sensor networks in forestry applications”, Springer: Personal and Ubiquitous Computing Journal, vol. 17, no. 5, pp. 1025-1034, June, 2013. (IF 3.1)
343.F. Al-Turjman, A. Alfagih, W. Alsalih, and H. Hassanein, “A delay-tolerant framework for integrated RSNs in IoT”, Elsevier Computer Communications Journal, vol. 36, no. 9, pp. 998–1010, May, 2013. (IF 3.34).
344.F. Al-Turjman, H. Hassanein, and M. Ibnkahla, “Quantifying connectivity in wireless sensor networks with grid-based deployments”, Elsevier: Journal of Network & Computer Applications, vol. 36, no. 1, pp. 368-377, Jan, 2013.
345.F. Al-Turjman, H. Hassanein, and M. Ibnkahla, “Efficient deployment of wireless sensor networks targeting environment monitoring applications”, Elsevier: Computer Communications Journal, vol. 36, no. 2, pp. 135–148, Jan. 2013. (IF 3.34).
346.F. Al-Turjman and H. Hassanein, “Towards augmented connectivity with delay constraints in WSN

federation", Inderscience: International Journal of Ad Hoc and Ubiquitous Computing, vol. 11, no. 2, pp. 97-108,2012.
347.F. Al-Turjman, H. Hassanein, W. Alsalih, and M. Ibnkahla, "Optimized Relay Placement for Wireless Sensor Networks Federation in Environmental Applications", Wiley: Wireless Communication & Mobile Computing Journal, vol. 11, no. 12, pp. 1677-1688, Dec. 2011.
348.S. Al-Harbi, F. Noor, F. Al-Turjman, "March DSS: A New Diagnostic March Test for All Memory Simple Static Faults", IEEE Transactions on CAD of Integrated Circuits and Systems, vol. 26, no. 9, pp. 1713-1720, Sept.2007

7.2. Articles Published in Other International Peer-Reviewed Journals

7.3. Papers Presented at International Scientific Confererences and Published in Conference Proceedings

1. R. Salama, F. Al-Turjman, C. Altrjman, "Mobile Application System for Online Surveys and Questionnaires", In Proc. of the IEEE International Conference on Mechatronics, IoT and Industrial Informatics(ICMIII), Melbourne, Australia, 2023. DOI: 10.1109/ICMIII58949.2023.00006.
2. R. Salama, F. Al-Turjman, P. Chaudhary; S. Yadav, "Benefits of Internet of Things (IoT) Applications in Health care - An Overview", In Proc. of the IEEE International Conference on Computational Intelligence,Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
3. R. Salama, F. Al-Turjman, S. Bhatla; D. Gautam, "Network security, trust & privacy in a wiredwireless Environments–An Overview", In Proc. of the IEEE International Conference on Computational Intelligence,Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
4. M. Vubangsi; A. Mubarak; J. Yayah; C. Altrjman; M. Manwal; S. Yadav; F. Al-Turjman, "Optimizing Moving Target Defense For Cyber Anomaly Detection", In Proc. of the IEEE International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
5. R. Salama, F. Al-Turjman, C. Altrjman; D. Bordoloi, "The ways in which Artificial Intelligence improves several facets of Cyber Security-A survey", In Proc. of the IEEE International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
6. R. Salama, F. Al-Turjman, D. Bordoloi, S. Yadav, "Wireless Sensor Networks and Green Networking for 6G communication- An Overview", In Proc. of the IEEE International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
7. R. Salama, F. Al-Turjman, S. Bhatla; S. Yadav, "Social engineering attack types and prevention techniquesA survey", In Proc. of the IEEE International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
8. R. Salama, F. Al-Turjman, C. Altrjman; S. Kumar; P. Chaudhary, "A Comprehensive Survey of Blockchain-Powered Cybersecurity- A survey", In Proc. of the IEEE International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
9. R. Salama, F. Al-Turjman, M. Aeri, S. Yadav, "Intelligent Hardware Solutions for COVID -19 and Alike Diagnosis - A survey", In Proc. of the IEEE International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
10. R. Salama, F. Al-Turjman, C. Altrjman; R. Gupta, "Machine Learning In Sustainable Development–An Overview", In Proc. of the IEEE International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.

11. R. Salama, F. Al-Turjman, C. Altrjman; D. Bordoloi, “The use of machine learning (ML) in sustainable systems-An Overview”, In Proc. of the IEEE International Conference on Computational Intelligence,Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
12. R. Salama, F. Al-Turjman, M. Aeri, S. Yadav, “Internet of Intelligent Things (IoT) – An Overview”, In Proc. of the IEEE International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
13. R. Salama, F. Al-Turjman, S. Bhatla; D. Mishra, “Mobile edge fog, Blockchain Networking and ComputingA survey”, In Proc. of the IEEE International Conference on Computational Intelligence, Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
14. R. Salama, F. Al-Turjman, P. Chaudhary; L. Banda, “Future Communication Technology Using Huge Millimeter Waves—An Overview”, In Proc. of the IEEE International Conference on Computational Intelligence,Communication Technology and Networking (CICTN), Ghaziabad, India, 2023.
15. R. Salama; F. Al-Turjman, “AI-Powered Drone to Address Smart City Security Issues", In Proc. of the IEEE International Conference on Advanced Information Networking and Applications (AINA-2023), Caserta,Italy, 2023.
16. S. Abidemi; D. Cacciagrano; F. Al-Turjman, “Attendance System via Internet of Things, Blockchain and Artificial Intelligence Technology: A Systematic Literature Review", In Proc. of the IEEE International Conference on Advanced Information Networking and Applications (AINA-2023), Caserta, Italy, 2023.
17. M. Abubakar; O. EriOluwa; M. Teyei; F. Al-Turjman, “AI Application in the Aviation Sector”, In Proc. of the IEEE International Conference on Artificial Intelligence of Things and Crowdsensing (AIoTCs), Nicosia, Cyprus,2022. DOI: 10.1109/AIoTCs58181.2022.00015.
18. M. Abdelrahim;; F. Al-Turjman, “Internet of Things (IoT) and Machine Learning (ML) in Cyber-Security”,In Proc. of the IEEE International Conference on Artificial Intelligence of Things and Crowdsensing (AIoTCs),Nicosia, Cyprus, 2022. DOI: 10.1109/AIoTCs58181.2022.00127.
19. M. Vubangsi; S. Abidemi; O. Akanni; A. Mubarak; F. Al-Turjman, “Applications of Transformer Attention Mechanisms in Information Security: Current Trends and Prospects”, In Proc. of the IEEE International Conference on Artificial Intelligence of Things and Crowdsensing (AIoTCs), Nicosia, Cyprus, 2022. DOI:10.1109/AIoTCs58181.2022.00021.
20. R. Salama; F. Al-Turjman, “Creation of a Mobile App for Engineering Students' Online Lab”, In Proc. of the IEEE International Conference on Artificial Intelligence of Things and Crowdsensing (AIoTCs), Nicosia, Cyprus,2022. DOI: 10.1109/AIoTCs58181.2022.00037.
21. H. Abubakar; F. Al-Turjman; Z. Ameen; A. Mubarak, “A Review of Deep Learning and Machine Learning Approaches in COVID-19 Detection”, In Proc. of the IEEE International Conference on Artificial Intelligence of Things and Crowdsensing (AIoTCs), Nicosia, Cyprus, 2022. DOI: 10.1109/AIoTCs58181.2022.00013.
22. H. Benyamina; A. Mubarak; F. Al-Turjman, “Explainable Convolutional Neural Network for Brain Tumor Classification via MRI Images”, In Proc. of the IEEE International Conference on Artificial Intelligence of Things and Crowdsensing (AIoTCs), Nicosia, Cyprus, 2022. DOI: 10.1109/AIoTCs58181.2022.00048.
23. I. Muazu; F. Al-Turjman; İ. Etikan, “A Conceptual Review on Artificial Intelligence in Biomedical Applications”, In Proc. of the IEEE International Conference on Artificial Intelligence of Things and Crowdsensing (AIoTCs), Nicosia, Cyprus, 2022. DOI: 10.1109/AIoTCs58181.2022.00010.
24. A. Ubah; E. Onakpojeruo; J. Ajamu; T. Mangai; A. Isa; N. Ayansina; F. Al-Turjman, “A Review of Artificial Intelligence in Education”, In Proc. of the IEEE International Conference on Artificial Intelligence of Things and Crowdsensing (AIoTCs), Nicosia, Cyprus, 2022. DOI: 10.1109/AIoTCs58181.2022.00104.
25. A. Ubah; E. Onakpojeruo; J. Ajamu; T. Mangai; A. Isa; N. Ayansina; F. Al-Turjman, “Biometrics Authentication Techniques in E-Learning Assessment”, In Proc. of the IEEE International Conference on Artificial Intelligence of Things and Crowdsensing (AIoTCs), Nicosia, Cyprus, 2022. DOI:

10.1109/AIoTCs58181.2022.00105.
26. M Gupta, K Jakhar, A Kaur, F Al-Turjman, “Deep learning-based segmentation and analysis of pneumothorax using chest X-ray images”, AIP Conference Proceedings, 21 October 2022; 2555 (1): 040005.https://doi.org/10.1063/5.0108868.
27. A. Almomani, F. Al-Turjman, “AI-based positioning approaches in the IoT era overview”, In Proc. of the IET International Conference on Forthcoming Networks and Sustainability (FoNeS 2022), Nicosia, Cyprus, Oct.,2022. DOI: 10.1049/icp.2022.2556.
28. A. Conteh, F. Al-Turjman, “A review of artificial intelligence of things”, In Proc. of the IET International
Conference on Forthcoming Networks and Sustainability (FoNeS 2022), Nicosia, Cyprus, Oct., 2022. DOI:10.1049/icp.2022.2559
29. M. Y. Nasar, C. Altrjman, A. S. Mubarak, S. Alturjman;, F. Al-Turjman, “Smart e-Health apps: an overview”, In Proc. of the IET International Conference on Forthcoming Networks and Sustainability (FoNeS 2022),Nicosia, Cyprus, Oct., 2022. DOI: 10.1049/icp.2022.2557.
30. E. P. Onakpojeruo; F. Al-Turjman; M. T. Mustapha; C. Altrjman; D. U. Ozsahin, “Emerging AI and cloud computing paradigms applied to healthcare”, In Proc. of the IET International Conference on Forthcoming Networks and Sustainability (FoNeS 2022), Nicosia, Cyprus, Oct., 2022. DOI: 10.1049/icp.2022.2557.
31. N. B. Ayansina;, F. Al-Turjman, “Effects of social media on IT projects”, In Proc. of the IET International Conference on Forthcoming Networks and Sustainability (FoNeS 2022), Nicosia, Cyprus, Oct., 2022. DOI:10.1049/icp.2022.2560.
32. Z. Ameen; A. Ibrahim; A. Mubarak; F. Al-Turjman; U. Ghali, “Deep Learning Methods For Prediction of HLA-Peptide Interactions in IDB”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00021.
33. A. Almomani; F. Al-Turjman, “Challenges and Opportunities in Integrated 6G and IoT Paradigms: An Overview”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00033.
34. P. Tonga; Z. Ameen; A. Mubarak; F. Al-Turjman, “A Review on On Device Privacy and Machine Learning Training”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia,Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00133.
35. M. Vubangsi; F. Al-Turjman, “Design and Implementation of a Conference Attendance Monitoring System Using Blockchain and AI Technologies”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00044.
36. B. Omonayajo; A. Mubarak; F. Al-Turjman; Z. Ameen, “Ethereum Gas Price Prediction Using Facebook Prophet Model”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia,Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00093.
37. F. Waguie; F. Al-Turjman, “Artificial Intelligence for Edge Computing Security: A Survey”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00091.
38. A. Siddiqui; F. Al-Turjman, “Predicting the Student Performance via Machine Leaning Techniques”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022.DOI: 10.1109/AIE57029.2022.00048.
39. U. Sarumi; Z. Ameen; F. Al-Turjman; C. Altrjman; A. Mubarak, “A Novel Attendance System Via Integrated Wifi And Blockchain Technologies”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00046.
40. M. Vubangsi; E. Nforna; B. Kamsu; M. Tchoffo; F. Al-Turjman, “A Learning Assisted Approach for Electronic and Optical Characterization of Tin-Doped Titanium Oxide”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022.

DOI: 10.1109/AIE57029.2022.00057.
41. B. Kamsu; M. Vubangsi; M. Tchoffo; F. Al-Turjman, “A Comparison of Approximate Analytic and Neural Network Solutions for Effective Mass Schrodinger Equation With Yukawa’s Potential”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022.DOI: 10.1109/AIE57029.2022.00014.
42. M. Abdelrahim; B. Omonayajo; A. Mubarak; F. Al-Turjman, “Crypto Currency Cloud Mining”, In Proc.of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022.DOI: 10.1109/AIE57029.2022.00099.
43. R. Salama; F. Al-Turjman, “AI in Blockchain Towards Realizing Cyber Security”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00096.
44. M. Mubarak; Z. Ameen; A. Mubarak; F. Al-Turjman, “A Step Ahead Students CGPA Prediction Based on Support Vector Machines”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything(AIE), Nicosia, Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00042.
45. Z.Ameen; A. Ibrahim; A. Mubarak; F. Al-Turjman, “An improved CNN-LSTM deep model for Classification of guideRNA in CRISPR-Casl2 System”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00019.
46. A. Mubarak; M. Vubangsi; F. Al-Turjman; Z. Ameen; A. Mahfudh; S. Alturjman, “Computer Vision Based Drone Detection Using Mask R-CNN”, In Proc. of the IEEE International Conference on Artificial Intelligence in Everything (AIE), Nicosia, Cyprus, 2022. DOI: 10.1109/AIE57029.2022.00108.
47. Y. Zaid; N. Cavus; B. Omonayajo; B. Şekeroğlu; F. Al-Turjman, “Deep Learning in Mobile Devices and the Blockchain Era: An Overview”, In Proc. of the IEEE International Conference on Forthcoming Networks and Sustainability in AIoT Era (FoNeS-AIoT), Nicosia, Cyprus, 2021. DOI: 10.1109/FoNeSAIoT54873.2021.00011.
48. U. Sarumi, F. Al-Turjman, “Wi-Fi Attendance System In The Iot Era" In Proc. of the Springer International Conference on Forthcoming Networks and Sustainability in the Internet of Things Era (FoNeS-IoT), Nicosia,Cyprus, 2022.
49. A. Momaniy, F. Al-Turjman, “Position Estimation and Smooth Tracking with a Fuzzy-Logic-Based Adaptive Strong Tracking Kalman Filter for Capacitive Touch Panels", In Proc. of the Springer International Conference on Forthcoming Networks and Sustainability in the Internet of Things Era (FoNeS-IoT), Nicosia,Cyprus, 2022.
50. M. Auwala, P. Tonga, C. Altrjman, F. Al-Turjman, “A Framework for Pothole Detection via the AIBlockchain Integration", In Proc. of the Springer International Conference on Forthcoming Networks and Sustainability in the Internet of Things Era (FoNeS-IoT), Nicosia, Cyprus, 2022.
51. A. Hussain, C. Altrjman, S. Alturjman, F. Al-Turjman, "A Hybrid Scheduling Approach in the Cloud", In Proc. of the Springer International Conference on Forthcoming Networks and Sustainability in the Internet of Things Era (FoNeS-IoT), Nicosia, Cyprus, 2022.
52. O. Khalfalla, A. Mubarak, C. Altrjman, F. Al-Turjman, “Smart Home Appliance Control in the IoT Era”,In Proc. of the IEEE International Conference on Forthcoming Networks and Sustainability in the Internet of Things Era (FoNeS-IoT), Nicosia, Cyprus, 2022.
53. F. Al-Turjman and A. Abdelazim, “Wi-Fi feedback-based power system in the Heterogenous IoT Era”,In Proc. of the International Conference on Computing and Communication Networks (ICCCN), 2021.
54. M. Auwala, P. Tonga, F. Al-Turjman, “Smart Tourism: A Proof of Concept for Cyprus Museum of Modern Arts in The IoT Era”, In Proc. of the IEEE International Conference on Artificial Intelligence of Things(ICAIoT), Nicosia, Cyprus, 2021.
55. S. Abdullahi, F. Al-Turjman, “A framework for the Emerging Smart infrastructure in the IoT Era”, In

Proc. of the IEEE International Conference on Artificial Intelligence of Things (ICAIoT), Nicosia, Cyprus, 2021.
56. M. Hasan, F. Al-Turjman, “Particle Swarm Optimization for Adaptive Social-distance of Neighborhood in the IoT and COVID-19 Era”, In Proc. of the IEEE International Conference on Artificial Intelligence of Things(ICAIoT), Nicosia, Cyprus, 2021.
57. A. Hussain, F. Al-Turjman, “Semantic Web and Business Intelligence in Big-Data and Cloud Computing Era”, In Proc. of the Fifth International Conference on Smart City Applications (SCA), 2020.
58. K. Yahya, S. Chaudhry, F. Al-Turjman, “On the Security of an Authentication Scheme for Smart Metering Infrastructure”, In Proc. of the IEEE International Conference on Emerging Technology in Computing,Communication and Electronics, Bangladesh, 2020, pp. 1- 6.
59. A. Hussain, F. Al-Turjman, B. Dawood, “Application of Image Processing and Machine Learning In the Florist Industry”, In Proc. of the IEEE International Conference on Emerging Technology in Computing,Communication and Electronics, Bangladesh, 2020.
60. Hussain A.A., Dawood B.A., Al-Turjman F. (2021) IoT and AI for COVID-19 in Scalable Smart Cities. In: Paiva S., Lopes S.I., Zitouni R., Gupta N., Lopes S.F., Yonezawa T. (eds) Science and Technologies for Smart Cities. SmartCity360° 2020. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 372. Springer, Cham. https://doi.org/10.1007/978-3-030-76063-2_1
61. S Kadry S., Al-Turjman F., Rajinikanth V. (2021) Automated Segmentation of COVID-19 Lesion from Lung CT Images Using U-Net Architecture. In: Paiva S., Lopes S.I., Zitouni R., Gupta N., Lopes S.F., Yonezawa T. (eds) Science and Technologies for Smart Cities. SmartCity360° 2020. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 372. Springer, Cham. https://doi.org/10.1007/978-3-030-76063-2_2.
62. Hussein B.A., Al-Turjman F. (2021) 5G Network Slicing Technology and Its Impact on COVID-19: A Comprehensive Survey. In: Paiva S., Lopes S.I., Zitouni R., Gupta N., Lopes S.F., Yonezawa T. (eds) Science and Technologies for Smart Cities. SmartCity360° 2020. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 372. Springer, Cham. https://doi.org/10.1007/978-3-030-76063-2_5.
63. Serte S., Al-Turjman F. (2021) COVID-19 Detection on CT Scans Using Local Binary Pattern and Deep Learning. In: Paiva S., Lopes S.I., Zitouni R., Gupta N., Lopes S.F., Yonezawa T. (eds) Science and Technologies for Smart Cities. SmartCity360° 2020. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 372. Springer, Cham. https://doi.org/10.1007/978-3-030-76063-2_7.
64. Deebak B.D., Al-Turjman F. (2021) COVID-19 Patient Care: A Content-Based Collaborative Filtering Using Intelligent Recommendation System. In: Paiva S., Lopes S.I., Zitouni R., Gupta N., Lopes S.F., Yonezawa T. (eds) Science and Technologies for Smart Cities. SmartCity360° 2020. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 372. Springer, Cham. https://doi.org/10.1007/978-3-030-76063-2_3.
65. N. Naser, S. Serte, F. Al-Turjman, “From Traditional House Price Appraisal to Computer Vision-Based:A Survey”, EAI/Springer FoNeS-IoT, Antalya, Turkey, 2020.
66. S. Ahmad, K. Prasad, Z. Ullah, L. Mostarda, and F. Al-Turjman, “Classification of IoT Device Communication through Machine Learning Techniques”, EAI/Springer FoNeS-IoT, Antalya, Turkey, 2020.
67. R. Culmone, D. Cacciagrano, F. Al-Turjman, and L. Mostarda, “Share: a design pattern for the composition of IoT dynamic services”, EAI/Springer FoNeS-IoT, Antalya, Turkey, 2020.
68. S. Ashraf, M. Naveed, F. Al-Turjman, “RapidAuth: Fast Authentication for Sustainable IoT”, EAI/Springer FoNeS-IoT, Antalya, Turkey, 2020.
69. A. Rasheed, F. Al-Turjman, “IOT Based Energy Monitoring of PV Plants - An Overview” EAI/Springer FoNeSIoT, Antalya, Turkey, 2020.

70. S. Ali, F. Al-Turjman, “6G Applications and Standards - An Overview” EAI/Springer FoNeS-IoT, Antalya,Turkey, 2020.
71. A. Hussain, F. Al-Turjman, Y. Ever, E. Gemikonakli, “Design Of A Navigation System For The Blind/Visually Impaired”, EAI/Springer FoNeS-IoT, Antalya, Turkey, 2020.
72. L. Mostarda, D. Cacciagrano, F. Al-Turjman, Z. Ullah, M. Paccamiccio, “Light Communication for Controlling Industrial Robots”, EAI/Springer FoNeS-IoT, Antalya, Turkey, 2020.
73. Z. Ullah, R. Gagliardi, O. Gemikonakli, F. Al-Turjman, “Network Lifetime Efficiency based on Equal and Unequal Size Clustering Strategies”, In Proc. of the IEEE International Conference on Advanced Information Networking and Applications (AINA-2020), Caserta, Italy, 2020, pp. 905-916.
74. M. Z. Hasan, F. Al-Turjman, H. Al-Rizzo, J. Rodriguez, A. Radwan, “Internet of Things Task Scheduling in Cloud Environment Using Particle Swarm Optimization”, In Proc. of the IEEE International Global Communications Conf. (GLOBECOM), Abu Dhabi, UAE, 2018. pp. 1-6.
75. U. Ulusar, F. Al-Turjman and G. Celik, “Accurate Indoor Localization for ZigBee Networks”, In Proc. of the IEEE International Conference on Information Sciences and Engineering (UBMK), Saray, Bosnia, 2018.
76. H. Yatbaz, B. Cinar, A. Gokdemir, E. Ever, F. Al-Turjman, H. Nguyen, and A. Yazici, “Hybrid Approach for Disaster Recovery Using P2P Communications in Android”, In Proc. of the IEEE Local Computer Networks(LCN), Chicago, USA, 2018, pp. 46 – 52.
77. Z. Qadir, F. Al-Turjman, V. Tafadzwa, H. Rashid, “Smart Solar Microgrid using Zigbee and Related Security Challenges”, International Conference on Research in Education and Science (ICRES), Marmaris,Turkey, April, 2018. (Accepted).
78. Z. Qadir, F. Al-Turjman, T. Nesimoglu, “Zigbee Based Time and Energy Efficient Smart Parking System Using IoT”, In Proc. of the IEEE 8th Mediterranean Microwave Symposium (MMS), Istanbul, Turkey,Oct., 2018,pp. 295-298.
79. K. Hameed, J. Noras, F. Al-Turjman, A. Radwan, J. Rodriguez, R. Abd-Alhameed, “Optimal Array size for Multiuser MIMO”, In Proc. of the International Wireless Communications and Mobile Computing Conference,Paphos, Cyprus, 2018. (Accepted).
80. L. J. Poncha, F. Al-Turjman, S. Alturjman, E. Ever, and S. Abdelhamid, "5G in a Convergent Internet of Things Era: An Overview", In Proc. of the IEEE International Conf. on Communications (ICC), Kansas City, MO,USA, 2018. (Accepted).
81. F. Campioni, S. Choudhury and F. Al-Turjman, "Readers Scheduling for RFID Networks in the IoT Era",In Proc. of the IEEE International Conf. on Communications (ICC), Kansas City, MO, USA, 2018. (Accepted).
82. B. Kizilkaya, M. Caglar, F. Al-Turjman, E. Ever, “An Intelligent Car Park Management System: Hierarchical Placement Algorithm Based on Nearest Location”, In Proc. of the IEEE Int. Conf. on Advanced Information Networking and Applications, Cracow, Poland, 2018. (Accepted).
83. U. Ulusar, F. Al-Turjman and G. Celik, “An Overview of the Internet of Things and Wireless Communications”, In Proc. of the IEEE International Conference on Information Sciences and Engineering (UBMK), Antalya, Turkey, 2017, pp. 506-509.
84. M. Z. Hasan, F. Al-Turjman, “SWARM-based data delivery framework in the AdHoc Internet of Things”,In Proc. of the IEEE International Global Communications Conf. (GLOBECOM), Singapore, 2017. (Accepted).
85. F. Al-Turjman, “Vehicular Speed Learning in the Future Smart-cities”, In Proc. of the IEEE Local Computer Networks (LCN), Singapore, 2017. (Accepted).
86. U. Ulusar, G. Celik, F. Al-Turjman, “Wireless Communication Aspects in the Internet of Things: An Overview”, In Proc. of the IEEE Local Computer Networks (LCN), Singapore, 2017. (Accepted).
87. F. Al-Turjman, “Positioning in the Internet of Things Era: An Overview”, In Proc. of the IEEE International Conference on Engineering and Technology (ICET), Antalya, Turkey, 2017. (Accepted).

88. Z. Chu1, H. X. Nguyen1, T. A. Le1, M. Karamanoglu1, D. To, E. Ever, F. Al-Turjman, and A. Yazici, “D2D Cooperative Communications for Disaster Management”, In Proc. of the IEEE Inter. Conf. on Telecommunications (ICT), Limassol, Cyprus, 2017, pp. 1-5.
89. Z. Chu1, H. X. Nguyen1, T. A. Le1, M. Karamanoglu1, D. To, E. Ever, F. Al-Turjman, and A. Yazici, “Game Theory Based Secure Wireless Powered D2D Communications with Cooperative Jamming”, IEEE Wireless Days conference, Porto, Portugal, 2017, pp. 95-98.
90. H. Zahmatkesh, E. Ever, F. Al-Turjman, M. Riza,“A Framework for Energy-Consumption in Future HetNets - Towards Green Smart-cities”, In Proc. Of the Inter. Conf. on Internet of Things, Data and Cloud Computing (ICC), University of Cambridge, United Kingdom, 2017. (Accepted).
91. F. Al-Turjman, “Path Finder for Medical Information Couriers in the IoT Era”, In Proc. Of the Inter. Conf.on Internet of Things, Data and Cloud Computing (ICC), University of Cambridge, United Kingdom, 2017.(Accepted).
92. F. Al-Turjman, “Identification Framework for Smart Environments in the Era of Cloud-IoT”, In Proc. Of the Inter. Conf. on Internet of Things, Data and Cloud Computing (ICC), University of Cambridge, United Kingdom, 2017. (Accepted).
93. F. Al-Turjman, “Vehicular Speed Management in Smart-cities”, In Proc. Of the Inter. Conf. on Vehicular, Mobile and Wearable Technology (ICVMWT), Antalya, Turkey, pp. 1-6, Jan. 2017.
94. F. Al-Turjman, “Impact of User's Habits on Smartphones’ Sensors: An Overview”, HONET-ICT International IEEE Symposium, Kyrenia, Cyprus, pp. 70-74, Oct. 2016.
95. F. Al-Turjman, Islam Elgedawy, “IdProF: Identity Provisioning Framework for Smart Environments”, HONET-ICT International IEEE Symposium, Kyrenia, Cyprus, pp. 12-16, Oct. 2016.
96. F. Al-Turjman, A. Betin-Can, E. Ever, S. Alturjman, “Ubiquitous Cloud-based Monitoring via a Mobile App in Smartphones: An Overview”, IEEE International Conference on Smart Cloud, New York, USA, pp. 1-6, 2016.
97. F. Al-Turjman, and M. Gunay, “Network Traffic Modeling using Content Demand Ellipses”, In proc. Of the International Conference on Computer Science and Engineering, Tekirdağ, Turkey, pp. 356-361, 2016.
98. F. Al-Turjman, “Towards Smart eHealth in the Ultra Large-scale Internet of Things Era”, In Proc. Of the International Iranian Conf. on Biomedical Engineering, Tehran, Iran, pp. 102-105, 2016.
99. F. Al-Turjman, “Hybrid Approach for Mobile Couriers Election in Smart-cities”, In Proc. of the IEEE Local Computer Networks (LCN), Dubai, UAE, pp. 507-510, 2016.
100.M. Z. Hasan, F. Al-Turjman, H. Al-Rizzo “Evaluation of a Duty-cycled Protocol for TDMA-Based Wireless Sensor Networks”, In Proc. of the International Wireless Communications and Mobile Computing Conference, Paphos, Cyprus, pp. 964-969, 2016.
101.F. Al-Turjman, M. Karakoc, and M. Gunay, “Routing Mobile Data Couriers in Smart-cities” In Proc. of then IEEE International Conf. on Communications (ICC), Kuala Lumpur, Malaysia, pp. 1-6, 2016.
102.M. Karakoc, F. Al-Turjman, and M. Gunay, “Routing Approach for Urgent Blood Transportation between Medical Facilities”, In Proc. of the 6th Hospital and Health Services Management Congress, Antalya, Turkey, 2015, pp. 1-1.
103.R. Özdemir, F. Al-Turjman, M. Günay, "Stay Connected In Vehicular Wireless Networks Using Graph Theory And AI", The 28th Inter. Conf. of The Jangjeon Mathematical Society, Antalya, Turkey, 2015, pp.121-121.
104.E. Goceri, F. Al-Turjman, and M. Gunay, “Facial Disorders Detection in the Internet of Things Era”, In Proc. of the 7th International Bioengineering Congress, Izmir, Turkey, 2015. pp. 1-1.
105.F. Al-Turjman, “On Wireless Sensor Networks for Plant Phenotyping”, In Proc. of the Inter. Conference on Computational & Experimental Science & Engineering (ICCESEN), Antalya, Turkey, 2015, pp. 110-114.

106.Karakoç M., Günay M., Çiğdem G., F. Al-Turjman, "A Meta-Heuristic Approach For Course Scheduling In Akdeniz University ", The 28th Inter. Conf. of The Jangjeon Mathematical Society, Antalya, Turkey, 2015,pp.116-116.
107.F. Al-Turjman, I. Küçükoğlu, and M. Gunay, “Placement of Virtual Data Repeaters using the Eccentricity of the Graph and Distribution of Popular Content in the Future Internet”, In Proc. of the Inter. Conference of The Jangjeon Mathematical Society, Antalya, Turkey, 2015, pp. 118-118.
108.E. Goceri, M. Gunay, and F. Al-Turjman, “Automated Detection Of Facial Disorders (Adfd): A Novel Approach Based-On Digital Photographs”, In Proc. of the Inter. Conference of The Jangjeon Mathematical Society, Antalya, 2015, pp. 126-126.
109.M. Karakoc, M. Gunay, G. Cigdem, and F. Al-Turjman, “A Meta-Heuristic Approach for Course Scheduling in Akdeniz University”, In Proc. of the Inter. Conference of The Jangjeon Mathematical Society, Antalya, Turkey, May, 2015, pp. 119-119.
110.Y. Simsek, F. Al-Turjman, and M. Gunay, “Bernoulli polynomials in the Future Internet and Optimization”, In Proc. of the Inter. Symposium on Mathematical Programing (ISMP), Pittsburgh, PA, USA, July,2015.
111.M. Karakoc, F. Al-Turjman, and M. Gunay, “On-line Heuristic Approach for Data-Collectors’ Assignment in ITS”, In Proc. of the Inter. Conference of The Jangjeon Mathematical Society, Antalya, Turkey, May, 2015.
112.M. Gunay, F. Al-Turjman, and I. Küçükoğlu, “Adaptive Placement of Data Publishers Based on Network Demand in ICN”, In Proc. of the Inter. Conference of The Jangjeon Mathematical Society, Antalya, Turkey, May,2015.
113.E. Colmenar, F. Al-Turjman, M. Biglarbegian, “Data Delivery and Gathering in IoT Applications: An Overview”, In Proc. of the IEEE Local Computer Networks (LCN), Edmonton, Canada, 2014, pp. 806-811.
114.M. Qutqut, H. Abou-zeid, H. Hassanein, A. Rashwan, and F. Al-Turjman, “Dynamic Small Cell Placement Strategies for LTE Heterogeneous Networks”, In Proc. of the IEEE Symposium on Computers and Communications (ISCC), Madeira, Portugal, 2014, pp. 1-6.
115.N. Haggag, A. Noureldin, and F. Al-Turjman, “Radial Basis Neural Network Function (RBNNF)-based Positioning System” In Proc. of the IEEE Queen's Biennial Symposium on Communications (QBSC), Kingston,ON., Canada, 2014. (Accepted).
116.G. Singh, M. Abu-Elkheir, F. Al-Turjman, and A. Taha, “Towards Prolonged Lifetime for Large-scale Information-Centric Sensor Networks” In Proc. of the IEEE Queen's Biennial Symposium on Communications(QBSC), Kingston, ON., Canada, 2014, pp. 87-91.
117.T. El Salti, D. Stacy, N. Nasir, and F. Al-Turjman, “Packet delivery significance and metrics improvements in protocols for 3-D routing in Wireless Sensor Networks” In Proc. of the International Wireless Communications and Mobile Computing Conference, Nicosia, Cyprus, 2014, pp. 1130-1135.
118.G. Singh, and F. Al-Turjman, “Cognitive Routing for Information-Centric Sensor Networks in Smart Cities” In Proc. of the International Wireless Communications and Mobile Computing Conference (IWCMC),Nicosia, Cyprus, 2014, pp. 1124 - 1129.
119.M. Biglarbegian and F. Al-Turjman, “Path Planning for Data Collectors in Precision Agriculture WSNs”,In Proc. of the International Wireless Communications and Mobile Computing Conference (IWCMC), Nicosia,Cyprus, 2014, pp. 483 - 487.
120.F. Al-Turjman, A. Al-Fagih, and H. Hassanein, “A Value-Based Cache Replacement Approach for Information-Centric Networks”, In Proc. of the IEEE Local Computer Networks (LCN), Sydney, Australia, 2013,pp. 902-909.
121.M. Qutqut, F. Al-Turjman, and H. Hassanein, “HOF: A History-based Offloading Framework for LTE Networks Using Mobile Small Cells and Wi-Fi”, In Proc. of the IEEE Local Computer Networks (LCN), Sydney,Australia, 2013, pp. 77-83.

122.F. Al-Turjman and H. Hassanein, “Enhanced data delivery framework for dynamic Information-Centric Networks (ICNs)”, In Proc. of the IEEE Local Computer Networks (LCN), Sydney, Australia, 2013, pp. 831-838.
123.F. Al-Turjman, A. Al-Fagih, W. Alsalih and H. Hassanein, “Reciprocal public sensing for integrated RFIDSensor Networks,” In Proc. of the IEEE International Wireless Communications and Mobile Computing Conference (IWCMC), Cagliari, Sardinia-Italy, 2013, pp. 746-751.
124.M. Qutqut, F. Al-Turjman, and H. Hassanein, “MFW: Mobile Femtocells utilizing WiFi”, In Proc. of the IEEE International Conf. on Communications (ICC), Budapest, Hungary, 2013, pp. 5020-5024.
125.A. Alfagih, F. Al-Turjman, and H. Hassanein, “Online Heuristics for Monetary-Based Courier Relaying in RFID-Sensor Networks”, In Proc. of the IEEE International Conf. on Communications (ICC), Budapest, Hungary,2013, pp. 293-297.
126.S. Oteafy, F. Al-Turjman, and H. Hassanein, “Pruned Adaptive Routing in the Heterogeneous Internet of Things”, In Proc. of the IEEE International Global Communications Conf. (GLOBECOM), Anaheim, California,2012, pp. 232-237.
127.A. Alfagih, F. Al-Turjman, and H. Hassanein, “Ubiquitous Robust Data Delivery for Integrated RSNs in IoT”, In Proc. of the IEEE International Global Communications Conf. (GLOBECOM), Anaheim, California, 2012,pp. 298-303.
128.A. Alfagih, F. Al-Turjman, H. Hassanein, and W. Alsalih, “Coverage-based Placement in RFID Networks:An Overview”, In Proc. of the FTRA International Conference on Mobile, Ubiquitous, and Intelligent Computing(MUSIC), Vancouver, ON, 2012, pp. 220-224.
129.F. Al-Turjman, W. Alsalih, and H. Hassanein, “Towards augmented connectivity in federated wireless sensor networks”, In Proc. of the IEEE International Conference on Wireless Communications and Networking(WCNC), Paris, France, 2012, pp. 1882 - 1886.
130.F. Al-Turjman, A. Alfagih, and H. Hassanein, “A Novel Cost-Effective Architecture and Deployment Strategy for Integrated RFID and WSN Systems”, In Proc. of the IEEE International Conference on Computing,Networking and Communications (ICNC), Maui, Hawaii, 2012, pp. 835 - 839.
131.F. Al-Turjman, H. Hassanein, and S. Oteafy, “Towards Augmenting Federated Wireless Sensor Networks”, In Proc. of the IEEE International Conf. on Ambient Systems, Networks and Technologies (ANT),Niagara Falls, ON. Canada, 2011, pp. 224-231. (Best paper award)
132.F. Al-Turjman, H. Hassanein, and M. Ibnkahla, “Optimized Wireless Sensor Network Federation in Environmental Applications”, In Proc. of the IEEE International Global Communications Conf. (GLOBECOM),Houston, Texas, 2011, pp. 1-5.
133.F. Al-Turjman, H. Hassanein, and M. Ibnkahla, “Optimized Relay Placement to Federate Wireless Sensor Networks in Environmental Applications”, In Proc. of the IEEE International Workshop on Federated Sensor Systems (FedSenS), Istanbul, Turkey, 2011, pp. 2040-2045.
134.F. Al-Turjman, H. Hassanein, and M. Ibnkahla, “Optimized Relay Repositioning for Wireless Sensor Networks Applied in Environmental Applications”, In Proc. of the IEEE International Wireless Communications and Mobile Computing conf. (IWCMC), Istanbul, Turkey, 2011, pp. 1860-1864.
135.F. Al-Turjman, A. Alfagih, H. Hassanein, and M. Ibnkahla, “Deploying Fault-Tolerant Grid-Based Wireless Sensor Networks for Environmental Applications”, In Proc. of the IEEE International Workshop on Wireless Local Networks (WLN), Denver, Colorado, 2010, pp. 731-738.
136.F. Al-Turjman, H. Hassanein, and M. Ibnkahla, “Quantifying Connectivity of Grid-based Wireless Sensor Networks under Practical Errors”, In Proc. of the IEEE Local Computer Networks (LCN), Denver, Colorado,2010, pp. 224-227.
137.F. Al-Turjman, H. Hassanein, and M. Ibnkahla, “Quantifying the Effects of Placement Errors on WSN Connectivity in Grid-based Deployments”, In Proc. of the IEEE Queen's Biennial Symposium on Communications (QBSC), Kingston, ON., 2010. pp. 59-62.
138.F. Al-Turjman, H. Hassanein, and M. Ibnkahla, “Connectivity optimization with realistic lifetime

constraints for node placement in environmental monitoring", In Proc. of the IEEE Local Computer Networks (LCN), Zürich, 2009, pp. 617-624.
139.F. Al-Turjman, H. Hassanein, and M. Ibnkahla, "Connectivity optimization for wireless sensor networks applied to forest monitoring", In Proc. of the IEEE International Conf. on Communications (ICC), Dresden,Germany, 2009, pp. AHSN11.5.1-5.
140.F. Al-Turjman, M. Ibnkahla, and H. Hassanein, "An overview of wireless sensor networks for ecology and forest monitoring", In Proc. of the IEEE International Workshop on Signal Processing and its Applications (WoSPA), Sharqa, UAE, 2008.
141.S. Al-Fedaghi, and F. Al-Turjman, "Conceptual Modelling: A Privacy Perspective", In Proc. of the IEEE International Conference on Digital Ecosystems and Technologies (DEST), Cairns, Australia, 2007, pp. 21-23.
142.A. Muqaddas, F. Al-Turjman, and S. Habib, "Impact of Dynamic Channel Assignment Algorithms on Blocking Probability in Ad Hoc Wireless Sensor Networks", In the 10th annual Symposium Performance Evaluation of Computer and Telecommunication Systems (SPECTS), San Diego, California, 2007

7.4. National/international Books or Book Chapters

1. F. Al-Turjman, A. Nayyar, M. Naved, A., Singh, M. Bilal, "XAI Based Intelligent Systems for Society 5.0", Published with Elsevier, France, 2022.
2. S. Yadav, F. Al-Turjman, "Quantum-safe Cryptography Algorithms and Approaches", De Gruyter, 2022.
3. V. Jain, J. Moy, I. Priyadarshini, F. Al-Turjman, "Deep Learning for Healthcare Decision Making", to be Published with IEEE River Publishers, Denmark, 2021.
4. M. Gupta, R. Jain, A. Solanki and F. Al-Turjman, editors of a book titled: "Cancer Prediction for Industrial IoT 4.0: A Mining and Machine Learning Perspective" Published with Taylor and Francis, CRC, New York, 2021. ISBN 9781032028781.
5. F. Al-Turjman, and D. B. Deebak, editors of a book titled: "Sustainable Networks in Smart Grid", Published with Elsevier, France, 2021. ISBN: 9780323856263.
6. F. Al-Turjman, S. Yadav, M. Kumar, V. Yadav, T. Stephan, editors of a book titled: "Transforming Management with AI, Big-Data and IoT", Published with Springer, Switzerland AG, 2021. ISBN 978-3030867485.
7. F. Al-Turjman, A. Nayyar, editors of a book titled: "Machine Learning for Critical Internet of Medical Things - Applications and Use Cases", Published with Springer, Switzerland AG, 2021. ISBN 978-3030809270.
8. F. Al-Turjman, M. Kumar, T. Stephan, A. Bhardwaj, editors of a book titled: "Evolving Role of AI and IoMT in the Healthcare Market", Published with Springer, Switzerland AG, 2021. ISBN 978-3030820787.
9. F. Al-Turjman, A. Nayyar, A. Devi, P. Shukla, editors of a book titled: "Intelligence of Things: AI-IoT Based Critical-Applications and Innovations", Published with Springer, Switzerland AG, 2021. ISBN 978-3-030-82799-1.
10. E. Ever, F. Al-Turjman, editors of a book titled: "Forthcoming Networks and Sustainability in the IoT Era", Published with Springer, Switzerland AG, 2021. ISBN 978-3-030-69430-2.
11. F. Al-Turjman, single editor of a book titled: "Real-Time Intelligence for Heterogeneous Networks - Applications, Challenges, and Scenarios in IoT HetNets", Published with Springer, Switzerland AG, 2021. ISBN 978-3-030-75613-0.

12. F. Al-Turjman, and U. Hamid, editors of a book titled: “Towards Connected and Autonomous Vehicle Highway: Technical, Security and Ethical Challenges”, Published with Springer, Switzerland AG, 2021. ISBN 978-3-030-66041-3.
13. F. Al-Turjman, single editor of a book titled: “Wireless Medical Sensor Networks for IoT-based eHealth”, Published with IET press, UK, 2020. ISBN-13: 978-1-83953-056-2.
14. F. Al-Turjman, single author of a book titled: “AI-powered IoT for COVID-19”, Published with Taylor and Francis, CRC, New York, 2021. ISBN-13: 978-0367566746.
15. F. Al-Turjman, single author of a book titled: “Artificial Intelligence and Machine Learning for COVID-19”, Published with Springer, Switzerland AG, 2020. ISBN 978-3-030-60187-4.
16. F. Al-Turjman, A. Devi, A. Nayyar, editors of a book titled: “Emerging Technologies for Battling Covid-19 - Applications and Innovations”, Published with Springer, Switzerland AG, 2020. ISBN 978-3-030-60038-9.
17. F. Al-Turjman, and D. B. Deebak, editors of a book titled: “Security in IoT Social Networks”, Published with Elsevier, France, 2020. ISBN 9780128215999.
18. F. Al-Turjman, single author of a book titled: “Smart-Grid in IoT-enabled Spaces – The Road to Intelligence in Power”, Published with Taylor and Francis, CRC, New York, 2020. ISBN 978-0367517885.
19. F. Al-Turjman, and G. N. Balaji, editors of a book titled: “Advanced Controllers for Smart Cities”, Published with Springer, Switzerland AG, 2020. ISBN 978-3-030-48538-2.
20. F. Al-Turjman, single editor of a book titled: “Drones in Smart Cities: Security & Performance”, published with Elsevier, France, 2020. ISBN 9780128199725.
21. F. Al-Turjman, single editor of a book titled: “Trends in Cloud-based IoT”, published with Springer, Switzerland AG, 2020. ISBN 978-3-030-40036-1.
22. F. Al-Turjman, single editor of a book titled: “Unmanned Aerial Vehicles in Smart Cities”, Published with Springer, Switzerland AG, 2020. ISBN 978-3-030-38711-2.
23. F. Al-Turjman, single author of a book titled: “The Cloud in IoT-enabled Spaces”, published with Taylor and Francis, CRC, New York, 2019. ISBN 9780367278144
24. F. Al-Turjman & M. Imran, Edited book: “IoT Technologies in Smart-Cities: From Sensors to Big Data, Security and Trust”, published with IET press, UK, 2020. ISBN-13: 978-1-78561-869-7.
25. F. Al-Turjman, single author of a book titled: “Drones in IoT-enabled Spaces”, Published with Taylor and Francis, CRC, New York, 2019. ISBN 9780367266387.
26. F. Al-Turjman, single author of a book titled: “Internet of Nano-Things & Wireless Body Area Networks (WBAN)”, Published with Taylor and Francis, CRC, New York, 2019. ISBN 9780367198527.
27. F. Al-Turjman, single editor of a book titled: “Smart-cities: Performability, Cognition & Security”, Published with Springer, Switzerland AG, 2019. ISBN 978-3-030-14717-4.
28. F. Al-Turjman, single author of a book titled: “Security in IoT-enabled Spaces”, Published with Taylor and Francis, CRC, New York, 2019. ISBN: 9780367111236.
29. F. Al-Turjman, single editor of a book titled: “Artificial Intelligence in IoT”, Published with Springer, Switzerland AG, 2019. ISBN: 978-3-030-04110-6
30. F. Al-Turjman, single author of a book titled: “Intelligence in IoT-enabled Smart-Cities”, Published with Taylor and Francis, CRC, New York, 2019. ISBN: 9781138316843.
31. F. Al-Turjman, single editor of a book titled: “Edge Computing: From Hype to Reality”, Published with Springer, Switzerland AG, 2019. ISBN: 978-3-319-99060-6.
32. F. Al-Turjman, single editor of a book titled: “Performability in Internet of Things”, Published with Springer, Switzerland AG, 2018. ISBN 978-3-319-93556-0.
33. F. Al-Turjman, single author of a book titled: “Smart Things & Femtocells: From Hype to Reality”, Published with Taylor and Francis, CRC, New York, 2018. ISBN 9781138593893.

34. F. Al-Turjman, single author of a book titled: “Multimedia-enabled Sensors in IoT: Data Delivery & Traffic Modelling”, Published with Taylor and Francis, CRC, New York, 2018. ISBN 978-0-8153-8711-4.
35. F. Al-Turjman & A. Radwan, Edited eBook: “Internet of Things: Applications and Paradigms”, to be published with Avid Science, Berlin, Germany, 2018.
36. F. Al-Turjman, single author of a book titled: “Wireless Sensor Networks: Deployment Strategies for Outdoor Monitoring”, Published with Taylor and Francis, CRC, New York, 2018. ISBN 9780815375814.
37. F. Al-Turjman, single author of a book titled: “Cognitive Sensors & IoT: Architecture, Deployment, and Data Delivery” Published with Taylor and Francis, CRC, New York, 2017. ISBN 978-1-138-10229-3.
38. A. Devi, S. Nadar, R. Jain, F. Al-Turjman (2021), “Use of Artificial Intelligence in Pharmacovigilance for Social Media Network”, a book chapter in a book titled “Leveraging Artificial Intelligence in Global Epidemics”, Published with Elsevier, France, 2021.
39. F. Al-Turjman (2019), “Edge Computing: From Hype to Reality Preface”, a book chapter in a book titled “Edge Computing: From Hype to Reality”, Published with Springer, Switzerland AG, 2019. ISBN: 978-3-319-99060-6.
40. F. Al-Turjman (2019), a book chapter in a book titled "Transportation and Power Grid in Smart Cities: Communication Networks and Services", published by John Wiley, UK, 2018. Eds. H. T. Mouftah, M. Erol-Kantarci, M. H. Rehmani. ISBN: 978-1-119-36008-7.
41. F. Al-Turjman, C. Altrjman, (2019) “Smart Homes in the Crowd of IoT-based Cities”. In: F. Al-Turjman (Eds), Intelligence in IoT-enabled Smart Cities. Taylor and Francis, CRC, New York, 2019.
42. F. Al-Turjman, C. Altrjman, (2019) “Energy Consumption Monitoring in IoT-based Smart Cities”. In: F. Al-Turjman (Eds), Intelligence in IoT-enabled Smart Cities. Taylor and Francis, CRC, New York, 2019.
43. F. Al-Turjman, S. Alturjman, (2019) “Intelligent UAVs for Multimedia Delivery in Smart-Cities’ Applications”. In: F. Al-Turjman (Eds), Intelligence in IoT-enabled Smart Cities. Taylor and Francis, CRC, New York, 2019.
44. F. Al-Turjman, S. Alturjman, (2019) “Intelligent Positioning for Precision Agriculture (PA) in Smart-cities”. In: F. Al-Turjman (Eds), Intelligence in IoT-enabled Smart Cities. Taylor and Francis, CRC, New York, 2019.
45. F. Al-Turjman, S. Alturjman, (2019) “Intelligent IoT for Plant Phenotyping in Smart-cities’ Agriculture”. In: F. Al-Turjman (Eds), Intelligence in IoT-enabled Smart Cities. Taylor and Francis, CRC, New York, 2019.
46. Al-Turjman F., Ever E., (2019) Performability in Internet of Things Preface. In: Al-Turjman F. (eds) “Performability in Internet of Things”, Published with Springer, Switzerland AG, 2018. ISBN 978-3-319-93556-0.
47. Ulusar U.D., Celik G., Turk E., Al-Turjman F., Guvenc H. (2019) Practical Performability Assessment for ZigBee-Based Sensors in the IoT Era. In: Al-Turjman F. (eds) Performability in Internet of Things. EAI/Springer Innovations in Communication and Computing. Springer, Switzerland AG, 2019. ISBN 978-3-319-93556-0.
48. F. Al-Turjman, H. Hassanein, and M. Ibnkahla, a book chapter titled: “Cognitive Diversity Routing” in the “Wireless Sensor Networks: A Cognitive Perspective”, Published with Taylor and Francis, CRC, New York, 2013. ISBN-13: 978-1-4398-5281-1.
49. F.Al-Turjman, “Digital Convergence” track of the “Future Information Technology, Application, and Service”, Springer 2012. ISBN: 978-94-007-5063-0

7.5. Articles Published in National Peer-Reviewed Journals

8. Art and Design Activities

9. Projects

- 2023- Present: NEU Digital Campus Project, Near East University, Northern Cyprus
- 2023- Present: AI-Instructor Project, Ai Prof. DUX, Near East University, Northern Cyprus
- 2022- Present: Patient Health Tracking Project, Near East University, Northern Cyprus
- 2021-2023: VELENA Project, Near East University, Northern Cyprus
- 2021-2022: AI and IoT in detecting the appropriate mask usage, Joint project between Near East University, Northern Cyprus and India
- 2021-2022: NEU Smart Student Information System, Near East University, Northern Cyprus
- 2021-2022: Blockchain-based Students Certificates Project, Near East University, Northern Cyprus
- 2020-2022: NEU Attend APP Project, Near East University, Northern Cyprus
- 2020-2022: NEU COVID-19 Project, Near East University, Northern Cyprus
- 2016-20: Newton Institutional Links grants (British Council) ID-216429427 (~£97507.92): In this research we proposed Location-based Control and Management System for Safety Warning and Emergency Rescuing Services using LTE D2D Technology in Smart cities.
- 2015-17: SRP-Intercampus Grant, Northern Cyprus FEN-16-k-6 (~$USD 20,000): In this research we proposed an automated virtual profile creation framework via mobile sensory data over the Cloud.
- 2015-17: SRP Grant, Northern Cyprus FEN-16-YG-5 (~$USD 20,000): In this project we aim at enabling Ultra Large Scale (ULS) sensing in the green Internet of Things era.
- 2014-18: Tubitak 3001- No. 115E198, Turkey (~$USD 30,000): This research is investigating innovative integrated platforms and data delivery techniques to satisfy the variety of the emerging applications' requirements and user expectations in terms of interoperability, resource management and pricing. It significantly contributes to the global efforts of developing techniques and tools for the commercially-viable communication systems in the future Internet/IoT.
- 2013-18: NSERC Discovery grant, Canada (~$USD 125,000): This research fund aims to devise enhanced data delivery solutions that can promptly provide the Canadian telecommunications sector, both vendors and service providers, data-centric networks that enable the realization of the Future Internet (Internet of Things) ahead of our international competitors. This is a complementary project, in which I aim at connecting the unconnected objects in a data-centric fashion, where data is located by its name not by the physically hosting device of that data.
- 2013: Ministry of Transportation of Ontario, Canada (~$USD 120,000): This research proposes a new system in which the highway can modify the speed limits adaptively based on the weather and road conditions. This is another project that aims at realizing one particular aspect of the smart planet concept by realizing a smart highway in the next generation intelligent

transportation systems. It is expected to have a remarkable impact on the safety of Ontario's highways, which is accompanied by a substantial economic gain.

- 2013: NSERC Engage grant, Canada (~$USD 24,000): In this project self-powered data collectors with wireless communications was utilized in providing the most benefits for the least cost in realizing Precision Agriculture (PA). We will prioritize a wireless, ease of installation and plug-and-play capabilities,resulting in a reliable solution that will increase the efficiency of the crop production throughout the proposed project. It will be a great opportunity with the Modern DSP Inc. to show up the brilliant side of utilizing modern technologies in PA.
- 2013: Startup Fund from UoG, Canada (~$USD 30,000): Its main purpose is to purchase on-going research equipment, and support other funding programs that require matching funds. This fund is mainly targeted to support research prior to obtaining funding from other sources. While working at the School of Engineering, University of Guelph (UoG), I had the opportunity to apply towards multiple large scales projects related to industrial and governmental applications not only in Canada; viz., Optimized Data Delivery in the Future Internet (NSERC Discovery'14 – Individual research project), but also outside Canada; viz., High Capacity Wireless Senor Networks for Precision Agriculture Applications: Theory and Implementation (NPRP 7-1638-2-607), with a group of researchers in Qatar.
- 2009-2012: While working at the TRL in the school of computing, Queen's University, I had the opportunity to contribute towards multiple large scales projects related to industrial and governmental applications in Canada; viz., Screen Health Monitoring and Fault Detection using WSNs at Syncrude Canada Inc., WSNs for Forestry and Wildlife Monitoring that has been supported by the Ministry of Natural Resources,Canada. I participated in writing several major grant and research proposals. These proposals were made to both governmental and industrial entities, including NSERC, Ontario Center of Excellence (OCE),Canadian Microelectronics Corporation (CMC), and Syncrude in Canada.

10. Administrative Responsibilities

- Advisor to the Chairman of the Board of Trustees
- Associate Dean for Research, Faculty of Engineering
- Head of Department of Artificial Intelligence Engineering
- Head of Department of Software Engineering
- Head ofDepartment of Information Systems Engineering

11. Memberships in Scientific and Professional Organizations

- 2011 - 2014: Sprouts Sensor Platform Team
- 2008 - 2011: Monitoring Natural Resources Group
- 2007 - present: Wireless Sensor Networks Group @ TRL, Queen's University
- 2007 - present: IEEE Communication Society (ComSoc)
- 2007 - present: Association for Computing Machinery (ACM)
- 2005 - present: Institute of Electrical and Electronics Engineers (IEEE)

12. Awards

- 2022: Lifetime golden-award of Dr. Suat Gunsel from Near East University, Cyprus
- 2022: Best professor award from Near East University, Cyprus
- 2022: Top Researcher Award from Near East University, Cyprus
- 2021: Best professor award from Near East University, Cyprus
- 2021: Top Researcher Award from Near East University, Cyprus
- 2020: Best Research Paper Award from Elsevier Internet of Things Journal
- 2019: Top Downloaded Paper from Wiley Transactions on Emerging Telecommunications Technologies Journal.
- 2019: Best Research Paper Award from Elsevier Computer Communication Journal
- 2018: Top Researcher Award from Antalya Bilim University, Turkey.
- 2018: Authored Book publication award from Antalya Bilim University, Turkey.
- 2017: Authored Book publication award from METU University, North Cyprus.
- 2016: Best paper award in the IEEE IWCMC WS.
- 2011-present: Annually achieving Best paper awards at IEEE's International Conferences.
- 2010: Research Excellence Award, TRL lab, School of Computing, Queen's University.
- 2007/09 - 2011/05: Queen's General Award, Queen's University, Canada.
- 2008/05 - 2008/06: OCE Professional Outreach Award, at Brock University, Canada.
- 2008/02 - 2008/02: OCE Professional Outreach Award, Workshop in Guelph, Canada.
- 2007/09 - 2009/12: Queen's International Student Award, Queen's University, Canada.

13. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2021-2022	Fall	AI PRINCIPLES AND TECNIQUES	3		20
	Fall	AI AND IOT	3		20
	Spring	PATTERN RECOGNITION	3		5
	Spring	AI AND CLOUD COMPUTING	3		20
2022-2023	Fall	AI PRINCIPLES AND TECNIQUES	3		20
	Fall	AI AND IOT	3		20
	Spring	AI AND BLOCKCHAIN	3		20

	Spring	AI AND CLOUD COMPUTING	3		20