

## Academic Resume



### Ali Altalbe

#### Associate Professor, Information Technology Department

Dr. Ali Altalbe received his PhD in Information Technology from The University of Queensland in Australia, completed his MSc in Information Technology from Flinders University, Australia. He is currently working as Assistant Professor in the Department of IT, King Abdulaziz University, Jeddah, Saudi Arabia

#### Contact Information.

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#### Highest Degree.

2018, Ph.D, Virtual Laboratories, University of Queensland, Australia.

#### Academic and Professional Experiences.

1. **2022 - Present**  
President Counselor at Prince Sattam bin Abdulaziz University, , .
2. **2020 - 2021**  
Deputy General Supervisor of the Transformation Management Office, , .
3. **2020 - 2021**  
Advisor and Consultant for the Vice President of Development at KAU, , .
4. **2019 - Present**  
Assistant Professor at FCIT,, Jeddah, Saudi Arabia, King Abdul Aziz University.
5. **2013 - 2018**  
Lecturer, Saudi Arabia, Faculty of Computing and Information Technology.
6. **2012 - 2013**  
Teacher Assistant, Deanship of e-Learning and Distance Education, KAU, , .

#### Research Interests.

E-Learning and distance education, Software Engineering, Human Computer Interaction, Games.

#### Teaching Interests.

Programming, Human computer interaction.

#### Certifications and Trainings.

1. Certified KPI Professional.

#### Social, Scientific and Professional Affiliation.

1. 2019-Present, Referee and Reviewer, many journals.

## Excellence Awards and Patents.

1. 2021, Patent, Liveness detection in fingerprint-based biometric systems (US 11,068,693 B1), United States Patent.

## Publications.

1. Ahsan Riaz Khan, Ali Altalbe, "Potential Impacts Of Russo-Ukraine Conflict And Its Psychological Consequences Among Ukrainian Adults: The Post-Covid-19 Era", *Frontiers In Public Health*, vol: 11, 2023.  
DOI: [10.3389/fpubh.2023.1280423](https://doi.org/10.3389/fpubh.2023.1280423)
2. Fawad Naseer, Muhammad Nasir Khan, Ali Altalbe, "Telepresence Robot With Drl Assisted Delay Compensation In Iot-Enabled Sustainable Healthcare Environment", *Sustainability*, vol: 15, pp. 3585, 2023.  
DOI: [10.3390/su15043585](https://doi.org/10.3390/su15043585)
3. Wasif ur Rehman, Umar Farooq, Muhammad Zain Yousaf, Ali Altalbe, "Bismuth-Nanoparticles-Embedded Porous Carbon Derived From Seed Husks As High-Performance For Anode Energy Electrode", *Materials*, vol: 16, pp. 6628, 2023.  
DOI: [10.3390/ma16206628](https://doi.org/10.3390/ma16206628)
4. Ali Altalbe, Abdul Rehman Javed, "Privacy Preserved Brain Disorder Diagnosis Using Federated Learning", *Computer Systems Science And Engineering*, vol: 47, pp. 2187-2200, 2023.  
DOI: [10.32604/csse.2023.040624](https://doi.org/10.32604/csse.2023.040624)
5. Ali Altalbe, Abdul Rehman Javed, "Applying Customized Convolutional Neural Network To Kidney Image Volumes For Kidney Disease Detection", *Computer Systems Science And Engineering*, vol: 47, pp. 2119-2134, 2023.  
DOI: [10.32604/csse.2023.040620](https://doi.org/10.32604/csse.2023.040620)
6. Ali A. Altalbe, Aamir Shahzad, Muhammad Nasir Khan, "Computing And Implementation Of A Controlled Telepresence Robot", *Intelligent Automation & Soft Computing*, vol: 37, pp. 1569-1585, 2023.  
DOI: [10.32604/iasc.2023.039124](https://doi.org/10.32604/iasc.2023.039124)
7. Aamir Shahzad, Ali Altalbe, "Computing Of Lqr Technique For Nonlinear System Using Local Approximation", *Computer Systems Science And Engineering*, vol: 46, pp. 853-871, 2023.  
DOI: [10.32604/csse.2023.035575](https://doi.org/10.32604/csse.2023.035575)
8. Ali Altalbe, Aamir Shahzad, Muhammad Nasir Khan, "Parameterization And Design Of Telepresence Robot To Avoid Obstacles", *Applied Sciences*, vol: 13, pp. 2174, 2023.  
DOI: [10.3390/app13042174](https://doi.org/10.3390/app13042174)
9. Fawad Naseer, Muhammad Nasir Khan, Ali Altalbe, "Intelligent Time Delay Control Of Telepresence Robots Using Novel Deep Reinforcement Learning Algorithm To Interact With Patients", *Applied Sciences*, vol: 13, pp. 2462, 2023.  
DOI: [10.3390/app13042462](https://doi.org/10.3390/app13042462)
10. Ali A. Altalbe, Muhammad Nasir Khan, Muhammad Tahir, "Design Of A Telepresence Robot To Avoid Obstacles In Iot-Enabled Sustainable Healthcare Systems", *Sustainability*, vol: 15, pp. 5692, 2023.  
DOI: [10.3390/su15075692](https://doi.org/10.3390/su15075692)
11. Ali A. Altalbe, Aamir Shahzad, Muhammad Nasir Khan, "Design, Development, And Experimental Verification Of A Trajectory Algorithm Of A Telepresence Robot", *Applied Sciences*, vol: 13, pp. 4537, 2023.  
DOI: [10.3390/app13074537](https://doi.org/10.3390/app13074537)
12. Ali Altalbe, Muhammad Nasir Khan, Muhammad Tahir, Aamir Shahzad, "Orientation Control Design Of A Telepresence Robot: An Experimental Verification In Healthcare System", *Applied Sciences*, vol: 13, pp. 6827, 2023.  
DOI: [10.3390/app13116827](https://doi.org/10.3390/app13116827)
13. Ali Altalbe, Muhammad Tahir, "Performance Of Iterative Coded Cdma Receivers With App Feedback: A Use Of A Weighted Delay Filter", *Applied Sciences*, vol: 13, pp. 9175, 2023.  
DOI: [10.3390/app13169175](https://doi.org/10.3390/app13169175)

## Publications.

14. Madini O. Alassafi, Ishtiaq Rasool Khan, Rayed AlGhamdi, Wajid Aziz, Abdulrahman A. Alshdadi, Mohamed M. Dessouky, Adel Bahaddad, Ali Altalbe, Nabeel Albishry, "Studying Dynamical Characteristics Of Oxygen Saturation Variability Signals Using Haar Wavelet", *Healthcare*, vol: 11, pp. 2280, 2023.  
DOI: [10.3390/healthcare11162280](https://doi.org/10.3390/healthcare11162280)
15. Nasser M. Sabah, Ali A. Altalbe, "Learning Outcomes Of Educational Usage Of Social Media: The Moderating Roles Of Task&Ndash;Technology Fit And Perceived Risk", *Sustainability*, vol: 14, pp. 8895, 2022.  
DOI: [10.3390/su14148895](https://doi.org/10.3390/su14148895)
16. Mahmoud Ragab, Ali Altalbe, Abdullah Saad Al-Malaise ALGhamdi, S. Abdel-khalek, Rashid A. Saeed, "A Drones Optimal Path Planning Based On Swarm Intelligence Algorithms", *Computers, Materials & Continua*, vol: 72, pp. 365-380, 2022.  
DOI: [10.32604/cmc.2022.024932](https://doi.org/10.32604/cmc.2022.024932)
17. Mahmoud Ragab, Ali Altalbe, "A Blockchain-Based Architecture For Enabling Cybersecurity In The Internet-Of-Critical Infrastructures", *Computers, Materials & Continua*, vol: 72, pp. 1579-1592, 2022.  
DOI: [10.32604/cmc.2022.025828](https://doi.org/10.32604/cmc.2022.025828)
18. Muhammad Nasir Khan, Ali Altalbe, "Experimental Evaluation Of Filters Used For Removing Speckle Noise And Enhancing Ultrasound Image Quality", *Biomedical Signal Processing And Control*, vol: 73, pp. 103399, 2022.  
DOI: [10.1016/j.bspc.2021.103399](https://doi.org/10.1016/j.bspc.2021.103399)
19. Zhang Guanglei, Ali Altalbe, "Response Model For The Psychological Education Of College Students Based On Non-Linear Finite Element Equations", *Applied Mathematics And Nonlinear Sciences*, vol: 0, 2021.  
DOI: [10.2478/amns.2021.1.00107](https://doi.org/10.2478/amns.2021.1.00107)
20. Yuting Zhao, Ali Altalbe, "Analysis Of The Causes Of The Influence Of The Industrial Economy On The Social Economy Based On Multiple Linear Regression Equation", *Applied Mathematics And Nonlinear Sciences*, vol: 0, 2021.  
DOI: [10.2478/amns.2021.1.00062](https://doi.org/10.2478/amns.2021.1.00062)
21. Ali Altalbe, Faris Kateb, "Assuring Enhanced Privacy Violation Detection Model For Social Networks", *International Journal Of Intelligent Computing And Cybernetics*, vol: ahead-of-print, 2021.  
DOI: [10.1108/IJICC-05-2021-0093](https://doi.org/10.1108/IJICC-05-2021-0093)
22. Chuandong Yu, Ali Altalbe, Nan Du, "Environmental Landscape Art Design Using Dynamic Nonlinear Parameterization", *Fractals*, 2021.  
DOI: [10.1142/S0218348X22400771](https://doi.org/10.1142/S0218348X22400771)
23. Balamuralithara Balakrishnan, Fumihiko Tochinai, Hidekazu Kanemitsu, Ali Al-Talbe, "Education For Sustainable Development In Japan And Malaysia: A Comparative Study Among Engineering Undergraduates", *International Journal Of Sustainability In Higher Education*, vol: 22, pp. 891-908, 2021.  
DOI: [10.1108/IJSHE-08-2020-0301](https://doi.org/10.1108/IJSHE-08-2020-0301)
24. Ali Altalbe, "Audio Fingerprint Analysis For Speech Processing Using Deep Learning Method", *International Journal Of Speech Technology*, 2021.  
DOI: [10.1007/s10772-021-09827-x](https://doi.org/10.1007/s10772-021-09827-x)
25. Ali Altalbe, "Antecedents Of Actual Usage Of E-Learning System In High Education During Covid-19 Pandemic: Moderation Effect Of Instructor Support", *Ieee Access*, vol: 9, pp. 93119-93136, 2021.  
DOI: [10.1109/ACCESS.2021.3087344](https://doi.org/10.1109/ACCESS.2021.3087344)

## Publications.

26. Balamuralithara Balakrishnan, Fumihiko Tochinnai, Hidekazu Kanemitsu, Ali Altalbe, "Engineering Ethics Education From The Cultural And Religious Perspectives: A Study Among Malaysian Undergraduates", *European Journal Of Engineering Education*, pp. 1-11, 2021.  
DOI: [10.1080/03043797.2021.1881449](https://doi.org/10.1080/03043797.2021.1881449)
27. Durr-e-Nayab, Mohammad Haseeb Zafar, Ali Altalbe, "Prediction Of Scenarios For Routing In Manets Based On Expanding Ring Search And Random Early Detection Parameters Using Machine Learning Techniques", *Ieee Access*, pp. 1-1, 2021.  
DOI: [10.1109/ACCESS.2021.3067816](https://doi.org/10.1109/ACCESS.2021.3067816)
28. Ali Raza, Muhammad Younis, Yuchao Liu, Ali Altalbe, Kumars Rouzbehi, Ghulam Abbas, "A Multi-Terminal HvdC Grid Topology Proposal For Offshore Wind Farms", *Applied Sciences*, vol: 10, pp. 1833, 2020.  
DOI: [10.3390/app10051833](https://doi.org/10.3390/app10051833)
29. Hasnain Kashif, Muhammad Nasir Khan, Ali Altalbe, "Hybrid Optical-Radio Transmission System Link Quality: Link Budget Analysis", *Ieee Access*, vol: 8, pp. 65983-65992, 2020.  
DOI: [10.1109/ACCESS.2020.2981661](https://doi.org/10.1109/ACCESS.2020.2981661)
30. Irfan Ramzan Paray, Surinder Singh Khurana, Munish Kumar, Ali A. Altalbe, "Time Series Data Analysis Of Stock Price Movement Using Machine Learning Techniques", *Soft Computing*, vol: 24, pp. 16509-16517, 2020.  
DOI: [10.1007/s00500-020-04957-x](https://doi.org/10.1007/s00500-020-04957-x)
31. Junaid Bahadar Khan, Tariqullah Jan, Ruhul Amin Khalil, Ali Altalbe, "Hybrid Source Prior Based Independent Vector Analysis For Blind Separation Of Speech Signals", *Ieee Access*, vol: 8, pp. 132871-132881, 2020.  
DOI: [10.1109/ACCESS.2020.3010342](https://doi.org/10.1109/ACCESS.2020.3010342)
32. Ali A. Altalbe, "Performance Impact Of Simulation-Based Virtual Laboratory On Engineering Students: A Case Study Of Australia Virtual System", *Ieee Access*, vol: 7, pp. 177387-177396, 2019.  
DOI: [10.1109/ACCESS.2019.2957726](https://doi.org/10.1109/ACCESS.2019.2957726)
33. Ali Raza, Armughan Shakeel, Ali Altalbe, Madini O. Alassafi, Abdul Rehman Yasin, "Impacts Of Mt-Hvdc Systems On Enhancing The Power Transmission Capability", *Applied Sciences*, vol: 10, pp. 242, 2019.  
DOI: [10.3390/app10010242](https://doi.org/10.3390/app10010242)
34. Kashif Mehmood, Hafiz Tehzeeb Ul Hassan, Ali Raza, Ali Altalbe, Haroon Farooq, "Optimal Power Generation In Energy-Deficient Scenarios Using Bagging Ensembles", *Ieee Access*, vol: 7, pp. 155917-155929, 2019.  
DOI: [10.1109/ACCESS.2019.2946640](https://doi.org/10.1109/ACCESS.2019.2946640)
35. Wasim Iqbal, Ali Altalbe, Arooj Fatima, Amjad Ali, Yumei Hou, "A Dea Approach For Assessing The Energy, Environmental And Economic Performance Of Top 20 Industrial Countries", *Processes*, vol: 7, pp. 902, 2019.  
DOI: [10.3390/pr7120902](https://doi.org/10.3390/pr7120902)
36. Ali Altalbe, NW Bergmann, "The Importance Of Student Feedback In Development Of Virtual Engineering Laboratories", *World Academy Of Science, Engineering And Technology, International Journal Of Social*, 2017.
37. Ali Altalbe, "Software Requirements Management", *International Journal Of Advanced Research In Artificial Intelligence*, 2015.
38. Ali A Altalbe, Neil Bergmann, MF Schulz, "Educational Utilities Of Virtual Laboratories For Engineering Education", *Proceedings Of 26th Annual Conference Of The Australasian Association For Engineering Education*, 2015.
39. Ali Altalbe, Brett Wilkinson, "Designing Games For Learning English As A Second Language", 2013 *International Conference On Computer Applications Technology (Iccat)*, 2013.

## **Publications.**

40. Ali A Altalbe, "Do New Mobile Devices In Enterprises Pose A Serious Security Threat?", Advanced Computing: An International Journal, vol: 4, pp. 53-57, 2013.  
DOI: [10.5121/acij.2013.4106](https://doi.org/10.5121/acij.2013.4106)