

Dr. Saifullah Khalid

**Visiting Researcher,
School of Mechanical & Aerospace Engineering
(5th in the world- QS Subject Ranking 2021),
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Summary

Dr Saifullah Khalid is an experienced specialist in optimization algorithms, aircraft systems, active power filters, and innovation. He holds the post of Senior Manager at CCS Airport, Lucknow, India, and leads the team of R&D members at CCS Airport, Lucknow, under the Civil Aviation Research Organization, India. He is also a Visiting Researcher at the School of Mechanical & Aerospace Engineering (5th in the world- QS Subject Ranking 2021), Nanyang Technological University, Singapore.

Dr Khalid's background is in the invention of novel optimization algorithms. He has invented four novel optimization algorithms: Adaptive Lizard Foraging Algorithm (AALF), Adaptive Spider Net Search Algorithm (ASNS), Adaptive Mosquito Blood Search Algorithm (AMBS), and Adaptive blanket body cover search algorithm (ABBC). He knows Python, C++, and MATLAB/Simulink.

He received the Best Researcher Award at the International Research Awards on New Science Inventions in 2022, Best Innovation Award and Outstanding Scientist Award at the International Best Scientist Awards in 2021, Best Researcher Award at the 11th International Scientist Awards on Engineering, Science, and Medicine, 2020, India., Outstanding Scientist Award at International Best Scientist Awards, 2020, and Best Paper award at National Conference on Technological Revolution in Electrical Engineering 2014 (TREE14), held at GBPCC, Pauri, U.K., India.

He has been a keynote speaker and session chair and has delivered talks at various conferences in universities and colleges. He is a Fellow Member of the Universal Association of Computer & Electronics Engineers (UACEE), USA, Franklin Member of London Journals Press, London, Senior Member of the International Association of Computer Science and Information Technology (IACSIT), Singapore, International Association of Engineers (IAENG), and IEEE. In recent years, Dr Khalid has extensively researched the role and impact of novel optimization algorithms in active power filters, aircraft systems, and air traffic surveillance systems. Dr Khalid has completed a project, Generation of Electricity using Wind Energy Produced by Jet Blast of Airbus A320-200 and B737-800 for Only Departure Runways. Dr Khalid is leading the project, incorporating traffic resolution advisories made by local ATCOs of the station in the INDRA system under the Civil Aviation Research Organization, India.

Besides, Dr. Khalid has extensive experience as a reviewer for academic journals, research agencies, government departments, and industrial bodies. Dr. Khalid has published over 100 research papers in international journals and conferences, including IEEE, Elsevier, Springer,

and Taylor & Francis. He is the sole author of 42 publications. He has authored four books, edited two, and contributed eight Chapters to edited books.

Research Interests

Development of new intelligent control optimization algorithms, Application of optimization algorithms in Electrical Engineering, Application of Artificial Intelligence in Electrical Engineering, Photovoltaic/ Other Renewable Energy Sources Applications

Skills

- Development of new computationally efficient control optimization algorithms
- Machine Learning
- Innovation
- Application of Sustainable energy
- Learning-based control methods
- Good in problem-solving
- Research paper publications
- Advanced knowledge of Python and C++
- Expertise in Simulation tools like MATLAB/P-Spice
- Research and Analysis
- Technical Writing
- Patent writing
- Project Management
- Proficient in M.S. Office
- Clear and effective communication

Education

- Doctorate of Philosophy, Electrical Engineering, Institute of Engineering & Technology, Lucknow, India, 2017.
- Doctorate of Philosophy, Electronics & Communication Engineering, Institute of Engineering & Technology, Lucknow, India, 2013.
- Master of Technology, Electrical Engineering, MMM Engineering College, India, 2004.
- Bachelor of Engineering, Electronics & Telecommunication Engineering, S.E.S. College of Engineering, India, 2001.

Positions Held

August 2023- Till date, Senior Manager (ATM),
SGRDJ International Airport, Amritsar, India

August 2021- July 2023 Senior Manager (ATM),
CCS International Airport, Lucknow, India

May 2022 Visiting Researcher,
School of Mechanical & Aerospace Engineering

(5th in the world- QS Subject Ranking 2021),
Nanyang Technological University, Singapore

June 2018- Till Date	Associate Member (R&D), Civil Aviation Research Organization (CARO) (AAI R&D Wing), India
2014-2021	Manager (ATM), CCS International Airport, Lucknow, India
2011-2014	Assistant Manager (ATM), CCS International Airport, Lucknow, India
2010-2011	Junior Executive (ATM), CCS International Airport, Lucknow, India
2008-2010	Junior Executive (ATM), Mangaluru International Airport, Mangaluru, India
2008-2008	Assistant Professor, Electronics & Communication Engineering, Shri Ramswaroop College of Engineering & Management, Lucknow, India <i>Created materials and exercises in the illustrating application of course concepts using MATLAB</i>
2007-2008	Assistant Professor, Electronics & Communication Engineering, Pranveer Singh Institute of Technology, Kanpur, India <i>Instructed students using lectures, discussions, and demonstrations in Power Electronics</i>
2006-2007	Lecturer, Electronics & Communication Engineering, Babu Banarasi Das National Institute of Technology, Lucknow, India <i>Developed semester outlines and instructional plans for each class session to comply with stated course objectives</i>
2005-2006	Lecturer, Electronics & Communication Engineering, Amity University, Lucknow, India <i>Developed power electronics laboratory, Communication Systems laboratory, basic electronics laboratory, and microprocessor laboratory and led the electronics and communication-engineering department as a Head of the department</i>
2005	Lecturer, Electronics & Communication Engineering, College of Engineering, Roorkee, India
2004-2005	Research Assistant, Electrical Engineering, Indian Institute of Technology, BHU, Varanasi, India <i>Developed Supported research and development efforts to create products, equipment, and processes for the development of active power filter</i>
2002-2004	Lecturer, Electronics & Communication Engineering, Saroj Institute of Technology and Management, Lucknow, India

Certifications

- Cybersecurity, Indian Aviation Academy (Member of ICAO Trainair Plus Program), New Delhi, India, 2020.
- Solar PV, Indian Aviation Academy (Member of ICAO Trainair Plus Program), New Delhi, India, 2020.
- Intelligent System Applications to the Smart Electric Grid Solutions, IIT Kanpur, India, 2010.
- Electric Power Quality: Monitoring, Analysis, and Mitigation, IIT Kanpur, India, 2008.
- Programming in C++, Microtek, Varanasi, India, 2000.

Awards

- Excellence in Innovation at International Research Awards on Human-Computer Interaction 2023, India
- Best Researcher Award at International Research Awards on Sensing Technology-2023, India
- Best Researcher Award at International Research Awards on New Science Inventions-2022, India
- Best Innovation Award in the International Scientist Awards on Engineering, Science, and Medicine, 2021, India.
- Outstanding Scientist Award in the International Scientist Awards on Engineering, Science, and Medicine, 2021, India.
- Outstanding Scientist Award at International Best Scientist Awards, 2020,
- Best Researcher Award at 11th International Scientist Awards on Engineering, Science, and Medicine, 2020, India
- Outstanding Contribution in Reviewing, Elsevier, USA, 2018
- Best Paper Award, National Conference on Technological Revolution in Electrical Engineering 2014 (TREE-14), held at GBPEC, Pauri, India, 2014
- Outstanding handler for smooth handling of the imminent and grave situation of the crash of Air India Express 812, Dubai to Mangalore in May 2010, India, 2010
- First in the Job Assignment, who has given the best results, i.e., 98% and 92% as a Fresher in teaching assignments, 2003

Publications (128)

Patents (11)

Granted:

- [P1] AI-Enhanced Fault Detection and Alert System, UK Design Patent, Design No 6322426, 2023.
- [P2] Wind Energy Harvester, Indian Design Patent, Design No: 388194-001, 2023.
- [P3] AI Driven Drones for Fog Dispersal, UK Design Patent, Design No 6324504, 2023.
- [P4] Jet Blast Wind Turbine Energy Harvesting System, UK Design Patent, Design No 6320027, 2023.
- [P5] Take-off Wind Turbine Energy Harvesting System, UK Design Patent, Design No 6320028, 2023.
- [P6] Intelligent Health Monitoring System, UK Design Patent, Design No 6300691, 2023.
- [P7] Safe Lid Food Mixer, UK Design Patent, Design No 6331154, 2023

Published:

- [P8] Advanced Digital Control System for High-Frequency AC-AC Conversion Using Sigma-Delta Modulated Matrix Converter, Indian Patent, *Application No: 202311074337, 2023.*
- [P9] Enhancing Airport Operations Through UAV-Based Fog Regulation, Indian Patent Office Journal No. 43/2023, No. 202311067289 A, 2023.
- [P10] System for Generation of Electricity using Jet blast wind energy harvester for only departure runway, Indian Patent Office Journal No. 29/2023, No. 202311043563 A, 2023.
- [P11] System for controlling Three-Phase Shunt Active Power Filter with an MPPT-Based Photovoltaic Array, Indian Patent Office Journal No. 19/2023, No. 20231108120 A, 2023.

Books (7)

- [B1] Saifullah Khalid, Neha Nazneen Siddiqui (Editors), *New Innovations in AI, Aviation, and Air traffic Technology*, IGI Global, USA, (Upcoming in 2025)
- [B2] Saifullah Khalid (Editor), *Application of Artificial Intelligence in Electrical Engineering*, IGI Global, USA, 2020.
- [B3] Saifullah Khalid (Editor), *Applied Computational Intelligence and Soft Computing in Engineering*, IGI Global, USA., 2017.
- [B4] N.Vyas, S.Khalid, *Biomedical Signal Processing*, University Science Press, India, 2011
- [B5] S.Khalid, N.Vyas, *Application of Power Electronics to Power System*, University Science Press, INDIA., 2009
- [B6] S.Khalid, N.Agrawal, *Microprocessor System*, University Science Press, India, 2009
- [B7] S.Khalid, M.Jain, N.Agrawal, *Basic Electronics & Instrumentation*, University Science Press, INDIA., 2008

Book Chapters (8)

- [BC1] Gaganpreet Kaur Mohan C. S., A. V. Senthil Kumar, Ismail Musirin, Saifullah Khalid, Rohaya Latip, Namita Mishra, *Role of IoT Technologies in Agricultural Ecosystems*, *Handbook of Research on Deep Learning Techniques for Cloud-Based Industrial IoT*, IGI Global, USA, 2023.
- [BC2] Mohan Raj C S, A.V. Senthil Kumar, Meenakshi Sharma, Ibrahiem M M El Emary, Rohaya Latip, Saifullah Khalid, Chandrasheka D.V., *Significance of fog computing to machine learning-enabled IoT for smart applications across industries*, *Machine Learning-Enabled IoT for Smart Applications Across Industries*, IGI Global, USA, 2023.
- [BC3] Saifullah Khalid, Shailendra Kumar, A.N.F.I.S. *Control of Shunt Active Power Filter for Minimization of Harmonics for More Electric Aircraft System*, *Application of Artificial Intelligence in Electrical Engineering*, IGI Global, USA, 2020.
- [BC4] Saifullah Khalid, *Application of fingerprint-matching algorithm in Smart Gun using Touch-less Fingerprint Recognition System*, *Application of Artificial Intelligence in Electrical Engineering*, IGI Global, USA, 2020.
- [BC5] Saifullah Khalid, *A Comparative Study of Neural Network and Fuzzy Logic Control Based Active Shunt Power Filter for 400 Hz Aircraft Electric Power System*, *Deep Learning and Neural Network: Concepts, Methodologies, Tools, and Applications*, IGI Global, USA, 2020.
- [BC6] Saifullah Khalid, *Analysis of Shunt Active Power Filter using Adaptive Blanket Body Cover Algorithm in Aircraft System*, *Soft-Computing-Based Nonlinear Control Systems Design*, IGI Global, USA, 2018.
- [BC7] Saifullah Khalid, T.H.D. *and Compensation time analysis of three-phase shunt active power filter using adaptive blanket body cover algorithm*, *Applied Computational Intelligence and Soft Computing in Engineering*, IGI Global, USA, 2017.
- [BC8] Saifullah Khalid, *Application of Adaptive Tabu Search Algorithm in Hybrid Power Filter and Shunt Active Power Filters: Application of A.T.S. Algorithm in HPF and A.P.F.*, *Sustaining Power Resources through Energy Optimization and Engineering*, 276-308, IGI Global, USA, 2016. (Scopus)

Journal Articles (64)

Communicated:

- [J1] Saifullah Khalid, *Generation of Electricity using Wind Energy Produced by Jet Blast of Airbus A320-200 and B737-800 for Only Departure Runways*, *E-Prime - Advances in Electrical Engineering, Electronics and Energy*, Elsevier.

Published:

- [J2] Saifullah Khalid, Artificial intelligence (AI) in Engineering and Technology (Editorial), *Information Fusion Research*, Volume 1, Issue 1, 1-2, 2023.
- [J3] Saifullah Khalid, Anoop Kumar, The Application of Unmanned Aerial Vehicle (UAV) for Visibility Improvement by Fog Dispersal, *Journal of Aerospace Engineering & Technology*, Volume 13, Issue 1, 2023. (SCI/Scopus/Inspec/UGC)
- [J4] Saifullah Khalid, Application of Adaptive Autarchoglossans Lizard Foraging Algorithm (A.A.L.F.) in a Shunt Active Power Filter connected to M.P.P.T. based photo voltaic Array, *E-Prime - Advances in Electrical Engineering, Electronics and Energy*, Elsevier, Volume 3, March 2023, 1-12. (SCI/Scopus/Inspec/UGC)
- [J5] Narendra Pratap Singh, Saifullah Khalid, Traffic Flow Management and Conflict Resolution Strategies by Air Traffic Controllers – A Controller's Perspective, *Journal of Aerospace Engineering & Technology*, Volume 12, Issue 3, 55-63, 2022. (SCI/Scopus/Inspec/UGC)
- [J6] Narendra Pratap Singh, Saifullah Khalid, Khadim Moin Siddiqui, Cause, Detection, Effects, and Securing of Fake Renewable Energy Powered Instrument Landing System Signals on Landing of Aircraft, *Journal of Aerospace Engineering & Technology*, Volume 12, Issue 2, 22-30, 2022. (SCI/Scopus/Inspec/UGC)
- [J7] Saifullah Khalid, Sonia, Narendra Pratap Singh, Khadim Moin Siddiqui, Active Power Filters in Aircraft Electric Power Systems: A Comparison Among Conventional and Advanced Compensation Techniques, *Distributed Generation and Alternative Energy Journal (Formerly Taylor & Francis)*, Volume 37, Issue 4, 899-928, 2022. (SCI/Scopus/Inspec/UGC).
- [J8] Saifullah Khalid, The Existence of Magnetic Monopole and Quadrupolar: A Mystery or Future, *C.O.J. Electronics & Communications, USA*, Volume 2, Issue 3, 1-4, 2022. (Peer Reviewed Journal)
- [J9] Saifullah Khalid, Effect of Gravity on Current & Their Implications on Planets, *C.O.J. Electronics & Communications, USA*, Volume 2, Issue 2, 1-5, 2021. (Peer Reviewed Journal)
- [J10] Saifullah Khalid, S.Verma, T.H.D., and Compensation Time Analysis of Three-Phase Shunt Active Power Filter Using Adaptive Mosquito Blood Search Algorithm (AMBS), *International Journal of Energy Optimization in Engineering*, Volume 8, Issue 1, 25-46, 2019. (SCI/Scopus/Inspec/UGC)
- [J11] Saifullah Khalid, Performance evaluation of Adaptive Tabu Search and Genetic algorithm optimized Shunt Active Power Filter using Neural Network control for aircraft power utility of 400 Hz, *Journal of Electrical Systems and Information Technology (Springer)*, Volume 5, Issue 3, 723-734, 2018. (SCI/Scopus/Inspec/UGC)
- [J12] Saifullah Khalid, T.H.D. and Compensation Time Analysis of Three-Phase Shunt Active Power Filter Using Adaptive Spider Net Search Algorithm (A.S.N.S.) for aircraft system, *Journal of Machine Intelligence*, Volume 2, Issue 1, 1-6, 2017. (Peer Reviewed Journal)
- [J13] Saifullah Khalid, Optimized Aircraft Electric Control System Based on Adaptive Tabu Search Algorithm and Fuzzy Logic Control, *Indonesian Journal of Electrical Engineering and Informatics*, Volume 4, No 3, 149-164, September 2016. (SCI/Scopus/Inspec/UGC)
- [J14] Saifullah Khalid, T.H.D. and Compensation Time Analysis of Three-Phase Shunt Active Power Filter Using Adaptive Spider Net Search Algorithm (A.S.N.S.), *International Journal of Computing & Digital Systems*, Volume 5, Issue 6, 487-504, 2016. (SCI/Scopus/Inspec/UGC)
- [J15] Saifullah Khalid, Comparison of soft computing techniques applied in a high-frequency aircraft system, *Indonesian Journal of Electrical Engineering & Informatics*, Volume 4, No 2, 102-111, June 2016. (SCI/Scopus/Inspec/UGC)
- [J16] Saifullah Khalid, Performance Evaluation of G.A. optimized Shunt Active Power Filter for Constant Frequency Aircraft Power System, *Indonesian Journal of Electrical Engineering & Informatics*, Volume 4, No 2, 112-119, June 2016. (SCI/Scopus/Inspec/UGC)
- [J17] S.Khalid, Niraj Kumar, V.M.Mishra, Application of Adaptive Tabu Search Algorithm in Sinusoidal Fryze Voltage Control based Hybrid Series Active Power Filter, *International Journal*

- of *Energy Optimization and Engineering*, Volume 3, No 2, 60-75, Oct-Dec 2014. (SCI/Scopus/Inspec/UGC)
- [J18] Saifullah Khalid, Niraj Kumar, V.M.Mishra, Performance Evaluation of Adaptive Tabu Search Algorithm Optimized Sinusoidal Fryze Voltage control based Hybrid Series Active Power Filter, *International Journal of Electrical Engineering and Informatics*, Volume 6, No. 3, 511-520, September 2014. (SCI/Scopus/Inspec/UGC)
- [J19] S.Khalid, Anurag Tripathi, V.M. Mishra, Comparison of Constant Source Instantaneous power & Synchronous Rotating Frame Strategy for Total Harmonic Reduction for Power Electronic Converters in Aircraft system under Different Load Conditions, *Advanced Materials Research*, Volume 768, 287-297, 2013. (SCI/Scopus/Inspec/UGC)
- [J20] S. Khalid, Performance Evaluation of Active Power Filter for Aircraft System, *Journal of Power Electronics & Power Systems*, Volume 9, Issue 1, 1-8,2019. (SCI/Scopus/Inspec/UGC-47884)
- [J21] S. Khalid, Comparison of Control Strategies using Soft Computing Techniques for Shunt Active Power Filters in Aircraft Power Utility of 400 Hz, *Journal of Aerospace Engineering & Technology*, Volume 9, Issue 1, 9-21, 2019. (SCI/Scopus/Inspec/UGC-47018)
- [J22] Saifullah Khalid, Comparative Critical Analysis of Power Quality Improvement of Constant Frequency Aircraft Electric Power System using Fuzzy Logic and Neural Network Control Scheme, *Journal of Aerospace Engineering & Technology*, Volume 8, Issue 3, 6-13, 2018. (SCI/Scopus/Inspec/UGC-47018)
- [J23] Saifullah Khalid, Comparison of Aircraft System Using FLC & Conventional Control Scheme, *Journal of Aerospace Engineering & Technology*, Volume 8, Issue 3, 34-42, 2018. (SCI/Scopus/Inspec/UGC-47018)
- [J24] Saifullah Khalid, A Novel Optimized Shunt active power filter using G.A. & ANN in Constant Frequency Aircraft System, *Journal of Aerospace Engineering & Technology*, Volume 8, Issue 1, 44-50, 2018. (SCI/Scopus/Inspec/UGC-47018)
- [J25] Saifullah Khalid, Genetic Algorithm Application in Shunt Active Power Filter Applied In Constant Frequency Aircraft System, *Journal of Aerospace Engineering & Technology*, Volume 8, Issue 1, 36-43, 2018. (SCI/Scopus/Inspec/UGC-47018)
- [J26] Saifullah Khalid, A Comparative Study of Neural Network and Fuzzy Logic Control Based Active Shunt Power Filter for 400 Hz Aircraft Electric Power System, *International Journal of Applied Evolutionary Computation*, Volume 8, Issue 3, 1-12, 2017. (SCI/Scopus/Inspec/UGC-44313)
- [J27] Saifullah Khalid, Performance Evaluation of G.A. optimized Active Power Filter, *Journal of Power Electronics & Power Systems*, Volume 7, Issue 1, 1-8, 2017. (SCI/Scopus/Inspec/UGC-47884)
- [J28] Saifullah Khalid, Comparison of Simulations Results of Fuzzy Logic, Neural Network, and Conventional Scheme Based Controller for S.A.F. in Constant Frequency Aircraft System, *Journal of Aerospace Engineering & Technology*, Volume 7, Issue 1, 1-9, 2017. (SCI/Scopus/Inspec/UGC-47018)
- [J29] Niraj Kumar, Vishnu Mohan Mishra, Saifullah Khalid, Smart Grid: An Overview & Its Connection with Communication Systems, *Journal of Telecommunication, Switching Systems and Networks*, Volume 3, Issue 2, 44-50, 2016. (Peer Reviewed Journal)
- [J30] Saifullah Khalid, Performance Evaluation of Neural Network and Fuzzy Logic Control Based Shunt Active Power Filter for Constant Frequency Aircraft Power System, *Aerospace Engineering: An International Journal*, Volume 5, Issue 3, 1-9, 2016. (Peer Reviewed Journal)
- [J31] Saifullah Khalid, Power Quality Improvement of Constant Frequency Aircraft Electric Power System Using Genetic Algorithm Optimized Active Filter, *Aerospace Engineering: An International Journal*, Volume 5, Issue 3, 41-50, 2016. (Peer Reviewed Journal)
- [J32] Saifullah Khalid, Power Quality Improvement of Constant Frequency Aircraft Electric Power System Using Genetic Algorithm and Neural Network Control Based Control Scheme, *Journal of Electrical & Electronic Systems*, Volume 5, Issue 4, 1-6, 2016. (Peer Reviewed Journal)
- [J33] Saifullah Khalid, Comparison of ANN & Conventional Control Techniques Applied in High-Frequency Aircraft System, *Aerospace Engineering An International Journal*, Volume 5, Issue 3, 10-19, 2016. (Peer Reviewed Journal)

- [J34] Saifullah Khalid, A Comparative Study of ANN and Traditional Control Techniques based Active Shunt Power Filter for 400Hz aircraft electric power system, *Trend in Electrical Engineering*, Volume 6, Issue 1, 1-8, 2016. (SCI/Scopus/Inspec/UGC-47936)
- [J35] Saifullah Khalid, Simulation & Performance-Based Comparison of Artificial Intelligence-based Shunt Active Power Filter for Power Quality Improvement in High-Frequency Aircraft System, *Trend in Electrical Engineering*, Volume 6, Issue 1, 32-41, 2016. (SCI/Scopus/Inspec/UGC-47936)
- [J36] S. Khalid, Performance Evaluation of Neural Network and Conventional Control Techniques Based Shunt Active Power Filter for Constant Frequency Aircraft Power System, *Journal of Aerospace Engineering & Technology*, Volume 6, Issue 1, 1-9, 2016. (SCI/Scopus/Inspec/UGC-47018)
- [J37] S. Khalid, Comparative Critical Analysis of Power Quality Improvement of Constant Frequency Aircraft Electric Power System Using Fuzzy Logic, Neural Network, and Conventional Control Scheme, *Journal of Aerospace Engineering & Technology*, Volume 6, Issue 1, 10-19, 2016. (SCI/Scopus/Inspec/UGC-47018)
- [J38] Saifullah Khalid, Comparative Critical Analysis of Control Techniques Optimized Using A.T.S. Algorithm and Conventional Control Techniques Applied in Shunt active power Filter for Total Harmonic Reduction for Power Electronic Converters in High Frequency (400Hz) Aircraft system, *Journal of Aerospace Engineering & Technology*, Volume 5, No. 3, 44-52, 2015. (SCI/Scopus/Inspec/UGC-47018)
- [J39] Saifullah Khalid, Fuzzy Logic Controlled Shunt Active Power Filter for Constant Frequency Aircraft Power System in Balanced and Unbalanced Loads Conditions, *Journal of Aerospace Engineering & Technology*, Volume 5, No. 2, 79-88, 2015. (SCI/Scopus/Inspec/UGC-47018)
- [J40] Saifullah Khalid, Neetu Agrawal, A Comparative Study of Fuzzy Logic Controlled and Traditional Control Techniques Based S.A.F. for 400 Hz Aircraft Electric Power System, *Elixir Electrical Engineering*, Volume 82, 32591-32595, 2015. (Peer Reviewed Journal)
- [J41] Saifullah Khalid, Bharti Dwivedi, Simulation of Sinusoidal Current Control Strategy Based Controller for a Shunt Active Power Filter under Balanced, Unbalanced, and Distorted Supply Conditions, *Sylwan Journal*, Volume 158, Issue 4, 78-87, 2014. (Peer Reviewed Journal)
- [J42] S. Khalid, B.Dwivedi, Comparative Evaluation of Various Control Strategies for Shunt Active Power Filters in Aircraft Power Utility of 400 Hz, *Majlesi Journal of Mechatronic Systems*, Volume 3, No. 2, 1-5, June 2014. (Peer Reviewed Journal)
- [J43] Saifullah Khalid, Bharti Dwivedi, Comparison of Control Strategies using Soft Computing Techniques for Shunt Active Power Filters in Aircraft Power Utility of 400 Hz, *Journal of Aerospace Engineering & Technology*, Volume 4, No.1, 1-13, 2014. (SCI/Scopus/Inspec/UGC-47018)
- [J44] Saifullah Khalid, Bharti Dwivedi, Synchronous Reference Frame Based Controller Implementation for a Shunt Active Power Filter under Balanced, Unbalanced, and Distorted Supply Conditions, *Journal of Engineering Science and Technology Review*, Volume 7, No.2, 50-56, 2014. (Peer Reviewed Journal)
- [J45] Saifullah Khalid, Bharti Dwivedi, Simulation & Performance-Based Comparison of GA-FUZZY-ANN Based Shunt Active Power Filter for Power Quality Improvement in High-Frequency Aircraft System, *Journal of Aerospace Engineering & Technology*, Volume 3, No.3, 62-70, 2013. (SCI/Scopus/Inspec/UGC-47018)
- [J46] S.Khalid, B.Dwivedi, A Novel Improved Model of Three-Phase Shunt Active Power Filter using Adaptive Tabu Search and Genetic Algorithm in Aircraft Power Utility of 400 Hz, *Journal of Power Electronics & Power Systems*, Volume 3, No. 3, 6-14, 2013. (SCI/Scopus/Inspec/UGC-47884)
- [J47] Saifullah Khalid, Bharti Dwivedi, Application of A.I. Techniques in three-phase shunt active power filter in unbalanced & distorted supply conditions, *Journal of Power Electronics & Power Systems*, Volume 3, No. 3, 15-26, 2013. (SCI/Scopus/Inspec/UGC-47884)
- [J48] S.Khalid, B.Dwivedi, Harmonic Reduction In High Frequency (400Hz) Aircraft Power System Applying Artificial Intelligence Techniques in Shunt Active Power Filter, *International Journal of Electrical, Electronics and Data Communication*, Volume 1, No. 7, 35-39, 2013. (Peer Reviewed Journal)

- [J49] Saifullah Khalid, Bharti Dwivedi, Power quality improvement of constant frequency aircraft electric power system using Fuzzy Logic, Genetic Algorithm, and Neural network control based control scheme, *International Electrical Engineering Journal (I.E.E.J.)*, Volume 4, No. 3, 1098-1104, 2013. (Peer Reviewed Journal)
- [J50] Saifullah Khalid, Navigation through Fog Using Aircraft Cockpit Display, *A.K.G.E.C. International Journal of Technology*, Volume 4, No. 1, 1-5, 2013. (Peer Reviewed Journal)
- [J51] S.Khalid, B.Dwivedi, Power Quality Improvement of Constant Frequency Aircraft Electric Power System using Genetic Algorithm and Fuzzy Logic Control Based Control Scheme, *International Electrical Engineering Journal (I.E.E.J.)*, Volume 4, No. 1, 939-945, 2013.
- [J52] S. Khalid, Latest Advancement in the Field of Aviation, *A.K.G.E.C. International Journal of Technology*, No 1, Volume 1, 52-56, Jan 2010. (Peer Reviewed Journal)
- [J53] Niraj Kumar, Khem B. Thapa, and S.Khalid, Comparison of A.I. Technique and Conventional Control techniques applied in series active power filter for Voltage Harmonic Reduction for Power Electronic Converters, *International Journal of Advance Research in Science and Engineering*, Volume 2, Issue 3, 91-98, March 2013. (Peer Reviewed Journal)
- [J54] Niraj Kumar, Khem B. Thapa, and S.Khalid, A Novel Series Active Power Filter Scheme using Adaptive Tabu search Algorithm for Harmonic Compensation, *International Journal of Application or Innovation in Engineering & Management (I.J.A.I.E.M.)*, Volume 2, Issue 2, 155-159, Feb 2013. (Peer Reviewed Journal)
- [J55] S.Khalid, Anurag Tripathi, Simulation of Shunt Active Filters based on Sinusoidal Current Control Strategy in High-Frequency Aircraft System, *International Journal of Management, I.T., and Engineering*, Volume 3, Issue 1, 218-230, January 2013. ((SCI/Scopus/Inspec/UGC-48064)
- [J56] Saifullah Khalid, Bharti Dwivedi, Bhim Singh, New Optimum Three-Phase Shunt Active Power Filter based on Adaptive Tabu Search and Genetic Algorithm using ANN control in unbalanced and distorted supply conditions, *Elektrika: Journal of Electrical Engineering*, Volume 14, Issue 2, 09-14, 2012. (Peer Reviewed Journal)
- [J57] S.Khalid, Anurag Tripathi, Control and Analysis Of Active Filter Based on Constant Instantaneous Power Control Strategy in High Frequency (400 Hz) Aircraft System with Balanced and Unbalanced Load Conditions, *International Journal of Scientific Computing*, Volume 6, No. 2, 342-345, July-Dec. 2012. (Peer Reviewed Journal)
- [J58] S.Khalid, Anurag Tripathi, Comparison of Constant Source Instantaneous Power & Sinusoidal Current Control Strategy for Total Harmonic Reduction for Power Electronic Converters in High-Frequency Aircraft System, *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Volume 1, Issue 5, 314-322, November 2012. (Peer Reviewed Journal)
- [J59] S.Khalid, Anurag Tripathi, Comparison of Sinusoidal Current Control Strategy & Synchronous Rotating Frame Strategy for Total Harmonic Reduction for Power Electronic Converters in Aircraft System under Different Load Conditions, *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Volume 1, Issue 5 305-313, November 2012. (Peer Reviewed Journal)
- [J60] S. Khalid, Bharti Dwivedi, Power Quality Issues, Problems, Standards & Their Effects in Industry with Corrective Means, *International Journal of Advances in Engineering & Technology*, Volume 1, Issue 2, 1-11, May 2011. (Peer Reviewed Journal)
- [J61] S. Khalid, Mechatronics: A New Research Trend, *International Journal of Technology and Engineering System (I.J.T.E.S.)*, Volume 1, No.2, 143-148, Dec. 2010. (Peer Reviewed Journal)
- [J62] S. Khalid, B.Dwivedi, Power Quality: An Important Aspect, *International Journal of Engineering, Science and Technology*, Volume 2, Issue 11, 6485-6490, Nov 2010. (Peer Reviewed Journal)
- [J63] S. Khalid, B.Dwivedi, N.Agrawal, N.Kumar, A Review of United States Patent Apparatuses for Active Power Filters, *National Journal of Technology*, No 1, Volume 4, 33-39, Mar. 2008. (Peer Reviewed Journal)
- [J64] S.Khalid, B.Dwivedi, N.Kumar, N.Agrawal, A Review of State of Art Techniques in Active Power Filters and Reactive Power Compensation, *National Journal of Technology*, No 1, Volume 3, 10-18, Mar. 2007. (Peer Reviewed Journal)

Conference/ Workshop/ Seminar Papers (39)

- [C1] Saurabh Singh, Sudhanshu Verma, Saifullah Khalid, "C-shaped coupled Microstrip Patch Antenna for WLAN Application," *Proceedings of International Conference on Electrical and Electronics Engineering (IEEE-ICE3-2020)*, MMM University of Technology, Gorakhpur, India.
- [C2] Iram Fatima, Sudhanshu Verma, Saifullah Khalid, "Compact Modified Y-Shape Parasitic Patch Antenna for U.W.B. Application," *Proceedings of International Conference on Electrical and Electronics Engineering (IEEE-ICE3-2020)*, MMM University of Technology, Gorakhpur, India.
- [C3] Mahima Patel, Sudhanshu Verma, Saifullah Khalid, "Compact Inverted C shaped Monopole Antenna for C-band Applications," *Proceedings of International Conference on Electrical and Electronics Engineering (IEEE-ICE3-2020)*, MMM University of Technology, Gorakhpur, India.
- [C4] Kavita Gupta, Sudhanshu Verma, Saifullah Khalid, "Compact Notch Loaded Monopole Antenna for C-Band Applications," *Proceedings of International Conference on Electrical and Electronics Engineering (IEEE-ICE3-2020)*, MMM University of Technology, Gorakhpur, India.
- [C5] Saifullah Khalid, Simulation analysis of Neural Network and Fuzzy Logic Control Based Shunt Active Power Filter for Aircraft Power System, *Proceeding of International Symposium on Computation and Characterization Techniques in Engineering and Sciences (CCTES-2017)*, March 20, 2017, at Integral University, Lucknow, 39-45.
- [C6] S. Khalid, B.Dwivedi, V.M.Mishra, N.Kumar, Fuzzy Logic and Neural Network Applications & their Comparative Analysis with Conventional Control Schemes for Active Power Filter in Aircraft System, *Proceeding of National conference, Electric Power Technology, Management, and I.T. Applications*, 23-24th Sep 2016, at MMMUOT, Gorakhpur, 67-72.
- [C7] Saifullah Khalid, Bharti Dwivedi, V.M. Mishra, Constant Instantaneous Power Based Controller Implementation for a Shunt Active Power Filter under Balanced, Unbalanced, and Distorted Supply Conditions, *IEEE Conference-ICCCA-2015*.
- [C8] Niraj Kumar, Saifullah Khalid, V.M.Mishra, Power Quality Improvement of Electric Power System using Adaptive Tabu Search Algorithm Optimized Series Hybrid Active Power Filter, in *Proceeding of National Conference, TREE14*, 25-26th May 2014, at GBPEC, Pauri, Garhwal, U.K, 144-149.
- [C9] Saifullah Khalid, Bharti Dwivedi, Application of A.I. techniques in implementing Shunt A.P.F. in Aircraft Supply System, *SOCROPROS Conference (Springer Lecture Notes)*, IIT-Roorkee, Dec 26-28, 2013, Volume 1, 333-341, 2013
- [C10] Saifullah Khalid, Bharti Dwivedi, GA-FUZZY Application in S.A.F. & Its Comparative Study with Conventional Techniques in 400 Hz Aircraft System, *IEEE – CARE 2013, Dec 16-18, 1-5, 2013*.
- [C11] S. Khalid, Bharti Dwivedi, Comparative Critical Analysis of S.A.F. using Soft Computing and Conventional Control Techniques for High Frequency (400 Hz) Aircraft System, *Proceedings of IEEE- C.A.T.C.O.N. Conference*, Dec 06-08, 100-110, 2013.
- [C12] Saifullah Khalid, Bharti Dwivedi, Dharamveer, Performance Evaluation of G.A. Optimized & Fuzzy Logic Control based Shunt Active Power Filter for Constant Frequency Aircraft Power System, *IEEE International Conference on Emerging Trends in Communication, Control, Signal Processing, and Computing Applications*, 1-6, 2013
- [C13] Saifullah Khalid, Bharti Dwivedi, Comparison of Control Strategies for Shunt Active Power Filter underbalanced, unbalanced and distorted supply conditions, *Proceedings of IEEE Sponsored National Conference on Advances in Electrical Power and Energy Systems*, 37-41, 2013

- [C14] S. Khalid, B. Dwivedi, Comparison of Control Strategies for Shunt Active Power Filters in Aircraft Power Utility of 400 Hz, *Proceedings of IEEE Sponsored National Conference on Advances in Electrical Power and Energy Systems*, 3-8, 2013.
- [C15] S.Khalid, B.Dwivedi, Comparison of A.I. Techniques and Conventional Control techniques applied in shunt active power filter for Total Harmonic Reduction for Power Electronic Converters in high frequency (400Hz) Aircraft system, *IEEE International Conference on Human-Computer Interactions*, held on 23-24 August 2013, INDIA.
- [C16] S. Khalid, B.Dwivedi, Comparison of Soft Computing Control Technique and Conventional Control techniques applied in shunt active power filter for Total Harmonic Reduction for Power Electronic Converters in High Frequency (400Hz) Aircraft system, *IEEE International Conference on Microelectronics Communication & Renewable Energy*, 04-06 June 2013, 1-6.
- [C17] S.Khalid, Anurag Tripathi, Harmonic reduction in Power Electronic Converters by application of synchronous rotating frame strategy in 400 Hz aircraft system, *2013 IEEE - International Conference on Research and Development Prospectus on Engineering and Technology*, held from March 29 to 30, 2013, India, 362-365.
- [C18] S.Khalid, Anurag Tripathi, V.M. Mishra, Comparison of Constant Source Instantaneous power & Synchronous Rotating Frame Strategy for Total Harmonic Reduction for Power Electronic Converters in Aircraft system under Different Load Conditions, *Proceedings of IEEE-ICEETS held from April 10 to 12, 2013, India*
- [C19] S.Khalid, B.Dwivedi, T.H.D., and Compensation time analysis of Control Strategies for Shunt Active Power Filters in Aircraft Power Utility of 400 Hz, *Proceedings of IEEE- A.C.C.*, held on 29-31 August 2013, 137-141.
- [C20] Saifullah Khalid, Bharti Dwivedi, Harmonic Reduction In High Frequency (400Hz) Aircraft Power System Applying Artificial Intelligence Techniques In Shunt Active Power Filter, *SCIEI-International Academic Conference on Electrical, Electronics and Communication Engineering*, 27-31.
- [C21] S.Khalid, B.Dwivedi, Analysis of Control Strategies for Shunt Active Power Filters in Aircraft Power Utility based on Total harmonic distortion and compensation time, *International Conference on Emerging Trends in Engineering and Technology, IETET-2013*, 612-618, 2013
- [C22] Saifullah Khalid, Mobile Commerce: Potential of Cellular Phone, *National Conference on Challenges & Opportunities for Technological Innovation in India*, February 16, 2013, held at A.I.M.T., Lucknow, India.
- [C23] S. Khalid, Anurag Tripathi, Control and Analysis of Active Filter based on Constant Source Instantaneous Power Strategy in High Frequency (400 Hz) Aircraft System with Balanced and Unbalanced Load Conditions, *VVP-ITES Conference-2012*, December 22 to 23, 2012, Rajkot, India
- [C24] Neeraj Kumar, V.M. Mishra, S. Khalid, Design and Simulation of V.S.F. Switch Mode Rectifier Converters, *Proceedings of National Conference on Recent Advances in Electrical Power and Energy System Management*, March 2011.
- [C25] Alpana Sahu, S. Khalid, Advanced Coding Strategies for the Two-Way Relay Channel, *Proceedings of National Conference on Information and Communication Technology*, 212-217, 2010.
- [C26] Shailendra Kumar, S. Khalid, A Systematic Description & Analysis of Cross Talk and Its Minimization in Electronics Systems, *Proceedings of International Conference on Emerging Trends in Signal Processing and VLSI Design, IEEE, SPVL -2010*.
- [C27] S.Khalid, B.Dwivedi, Comparative Critical Analysis of Advanced Controllers used for Active Power Filter, *Proceedings of National Conference on Power Electronics and Renewable Energy Systems, IEEE, PEARES, Kalavakkam, 2009*
- [C28] S.Khalid, A Review of Networking Evolution in the Field of W.D.M. Optical Communication, *Proceedings of National Conference on Emerging trends in communication, etc2k9*, Chandigarh, 33-38, 2009

- [C29] S. Khalid, S. K. Srivastava, K.G. Upadhyay, Analysis & Simulation of Unified Power Flow Controller (U.P.F.C.) Based on the d-q Axis Model, in *Proceedings of National Conference on Advances in Electrical Engineering*, N.I.T.T.E., Udupi, 2009
- [C30] S.C. Tewari, P. Dubey, S. Khalid, A Comprehensive Review of Artificial Neural Network & its Applications, *Proceedings of National Conference on Emerging Trends in Engineering & Technology*, 159-166, 2008.
- [C31] S.C. Tewari, P. Dubey, S. Khalid, A Review of Applications of ANN in Medical Field, *Proceedings of National Conference on Emerging Trends in Engineering & Technology*, 167-170, 2008.
- [C32] S.Khalid, N.Kumar, N.Agrawal, B.R.Singh, S.Kumar, A Review of Latest Research in Optical Communication, *Proceedings of International Conference on Emerging Technologies and Applications in Engineering, Technology and Sciences, Rajkot*, 2363-2368, 2008.
- [C33] S. Khalid, N.Kumar, N.Agrawal, B.R.Singh, S.Kumar, M-Health: A New Research Trend for Health Professionals, *Proceedings of International Conference on Emerging Technologies and Applications in Engineering, Technology and Sciences, Rajkot*, 1408-1413, 2008.
- [C34] S.Khalid, N.Kumar, A Review of Future Trends in the Field of Wireless Communication, *Proceedings of National Conference on Next Generation Network Evolution, Application & limitation, Manikapur*, 2007
- [C35] S. Khalid, N.Agrawal, A Growing Approach of I.T. in Technology Transfer and Business, *Proceedings of National Conference on Information Technology in Governance, Medicine, Industry, and Environment, Lucknow*, 12-18, 2007.
- [C36] S.K.Srivastava, K.G.Upadhyay, S.Khalid, S.N.Singh, Simulink based d-q Axis Model of Unified Power Flow Controller, *Proceedings of National Conference on Control, Communication and Information System (CCIS-04), Goa*, 2004
- [C37] Siddharth Verma, Viplov Diwakar Gola, Saifullah Khalid, Energy Revolution, *Proceedings of I.E.T.E. Seminar cum workshop & Exhibition on Communications-2020, Lucknow*, 169-172, 2008
- [C38] Dhananjai Rai, Saifullah Khalid, Organic Semiconductor Electronics, in *Proceedings of I.E.T.E. Seminar cum workshop & Exhibition on Communications-2020, Lucknow*, 183-188, 2008
- [C39] Tanmay Kulshrestha, Saifullah Khalid, Unified Communication System, *Proceedings of I.E.T.E. Seminar cum workshop & Exhibition on Communications-2020, Lucknow*, 82-84, 2008.

Invited Talks

- [T1] Saifullah Khalid, Career Opportunities in Aviation Industry, Talk delivered at Integral University, Lucknow, India, April 10, 2017.
- [T2] Saifullah Khalid, Power Quality Improvement in Aircraft Power System, Talk delivered *International Symposium on Computation and Characterization Techniques in Engineering and Sciences (CCTES-2017)*, March 20, 2017, at Integral University, Lucknow.
- [T3] Saifullah Khalid, Air Traffic Control at Lucknow Airport, Talk delivered on IEEE Day at Integral University, Lucknow, India, October 4, 2016.
- [T4] Saifullah Khalid, Air Traffic Control, Talk delivered at Azad Institute of Engineering & Technology, Lucknow, India, September 23, 2013.

Thesis & Projects

- [TP1] Saifullah Khalid, *Development of Advanced Controllers for Active Power Filter & their Critical Performance-Based Comparison*, PhD. Thesis, AKTU, 2017, India.
- [TP2] Saifullah Khalid, *Analysis and Simulation of Unified Power Flow Controller (U.P.F.C.) Based on the d-q axis Model*, M.Tech Thesis, U.P.T.U., Lucknow, U.P, 2003, India
- [TP3] Saifullah Khalid, *Study of Flexible A.C. Transmission System (FACTS) Devices*, M.Tech Project, U.P.T.U, Lucknow, U.P, 2002, India.
- [TP4] S.Khalid, *Alarm Enunciator (Device Controller)*, B.E. Project, N.M.U, Jalgaon, M.S, 2001, India

Invited Speaker

- Invited Speaker at International Conference on Advances in Computer Science and Engineering Technology (ACSE2023) on July 29-30, 2023, in Guangzhou, China.
- Invited speaker at 9th Annual World Congress of Advanced Materials 2022 (W.C.A.M.-2022), May 11-13, 2022, in Tokyo, Japan.
- Invited speaker at International Webinar on Electronics & Electrical Engineering, Nov 12-13, 2021, in South Korea.
- Invited speaker at the 5th International Conference on Artificial Intelligence and Robots (A.I.R. 2021) July 16-18, 2021, in Kunming, China.
- Invited speaker at the 6th Annual Global Congress of Knowledge Economy-2019 (GCKE-2019), September 20-22, 2019, in Qingdao, China
- Invited speaker at the International Conference on Physics held on August 05-09, 2019, in Tokyo, Japan
- Invited speaker at 6th Annual World Congress of InfoTech-2019, with the theme of Launch a New Era of 5G and Global Future Network, held on May 10-12, 2019, in Nanjing, China
- Invited speaker at the 2nd World Conference on Robotics and Artificial Intelligence held on June 10-12, 2019, in Osaka, Japan
- Invited speaker at 13th World Congress of Regenerative Medicine & Stem Cell-2019 (RMSC-2019), held on November 1-3, 2019, at Dalian International Conference Centre (an official venue for Davos World Economic Forum), Dalian, China
- Invited speaker at International Conference on 8th Annual World Congress of Advanced Materials (W.C.A.M.-2019), June 12-14, 2019, in Jinan, China
- Invited speaker at International Conference on Wireless and Telecommunication (Telecommunication-2019), April 15-16, 2019, in Milan, Italy
- Invited speaker at International Conference on Artificial Intelligence and Robots (AIR-2018), November 28-30, 2018, Sanya, China
- Invited speaker at World Congress on Biosensors and Bioelectronics on August 20-21, 2018, in Chicago, USA
- Invited speaker at 4th International Conference on Green Computing and Engineering Technologies (I.C.G.C.E.T.), August 17 - August 19, 2018, Aalborg University, Niels Bohrs Vej, Esbjerg, Denmark
- Invited speaker at 8th International Symposium on Energy, 6-9 August 2018, in Aberdeen, Scotland, United Kingdom
- Invited speaker at 5th International Conference on Recent Challenges in Engineering and Technology (ICRCET-18) in Seoul, South Korea, on 19th & 20th July 2018
- Invited speaker at International Summit and Expo on international Optical Fiber Communications (Optical Fibre 2018) held in Auckland, New Zealand, from May 30-31, 2018
- Invited speaker at 7th World Congress of Smart Energy-2017 on November 2-4, 2017, in Wuxi, China

Professional Service

Track Chair:

- IEEE International Conference on Computing (ICOCO) - Networking and Information Security, Langkawi Island, Kedah, Malaysia, 9-12 October 2023.

Associate Editor:

- International Journal of Electrical and Computer Engineering (S.J.R.: Q2)
- International Journal of Reconfigurable and Embedded Systems (Peer Reviewed Journal)

Section Editor:

- Artificial Intelligence Section of *Information Fusion Research Journal*, Singapore.

Reviewer:

- IEEE Transactions on Industrial Electronics
- IEEE Transactions on Power Delivery
- IEEE Transactions on Energy Conversion
- IEEE Power Engineering Letters
- IEEE Power and Energy Technology Journal
- Journal of Electrical Systems and Information Technology, Springer
- Wiley: European Transactions on Electrical Power
- Energy Sources, Part A: Recovery, Utilization, and Environmental Effects (Taylor & Francis)
- International Journal of Energy Optimization and Engineering (I.J.E.O.E.), USA
- International Journal of Measurement Technologies and Instrumentation Engineering (I.J.M.T.I.E.), USA
- International Journal of Power Electronics and Drive Systems (I.J.P.E.D.S.)
- International Journal of Advances in Applied Sciences
- TELKOMNIKA Telecommunication Computing Electronics and Control
- International Journal of Electrical and Computer Engineering
- Bulletin of Electrical Engineering and Informatics
- I.A.E.S. International Journal of Robotics and Automation
- I.A.E.S. International Journal of Artificial Intelligence (IJ-AI)
- I.E.E.J. (International Electrical Engineering Journal)
- Majlesi Journal of Electrical Engineering, Malaysia
- Indonesian Journal of Electrical Engineering & Informatics
- Journal of Electrical and Electronics Engineering Research, Africa
- Journal of Advanced Research in Applied Sciences and Engineering Technology
- SciFed Journal of Telecommunication
- Biomedical and Pharmacology Journal (BPJ)
- Current Analysis on Instrumentation and Control Journal, USA
- Horizon Journal of Engineering, Technology, and Innovation
- Current Analysis of Instrumentation and Control, USA
- Journal of Engineering Science & Technology, Singapore
- World Academy of Science, Engineering, and Technology
- Various National & International IEEE & Springer Conferences
- Various National & International Seminars

Membership:

- Senior Member, IEEE, India
- Fellow Member, Universal Association of Computer & Electronics Engineers (UACEE), USA
- Senior Member, International Association of Computer Science and Information Technology (IACSIT), Singapore.

- Franklin Member (Membership ID#KC98215), London Journals Press, London
- Associate Member, Civil Aviation Research Organisation (CARO), Hyderabad, India

(Dr. Saifullah Khalid)