



(Mohd Javed Khan)

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([Google Scholar Citation](#), | [Orcid Id](#), [Scopus](#), | [Web Of Science](#), | [Research gate](#), | [linked in](#))

PROFILE

- Mohd Javed Khan is working in the Department of Electronics and Communication Engineering as an Assistant Professor from July, 2013.
- Previously, he has worked as CM Engineer in Nokia Siemens Networks Pvt. Ltd and before that worked as a lecturer in HMRITM Delhi.
- He has completed his PhD degree in Electronics engineering from Dr. APJ Abdul Kalam University Lucknow, Master of Engineering degree in ECE from Delhi University Delhi , PG Diploma certificate in Embedded System & VLSI Design for CDAC Noida and B.Tech degree in ECE from UPTU, Lucknow.
- He has qualified the UGC-NET (Nov 2017) and GATE (2017, 2015, 2007).

RESEARCH INTEREST:

- Wireless cellular communication
- Device to device communication
- Embedded System

SUMMARY OF RESEARCH ACCOMPLISHMENT:

- SCI/SCIE indexed Journal : 07
- ESCI indexed Journals : 01
- Conference Paper : 07
- Book chapter : 06
- Book Edited : 01
- Other National / International Journals : 23

PROFESSIONAL MEMBERSHIP:

- Life Member of Solar Energy Society of India (SESI).

COURSE TAUGHT:

- Antenna and Wave Propagation
- Signals and Systems
- Basic Electronics
- Embedded System Design
- Communication System

- Mobile Communication
- Computer Organization and Architecture
- Digital measurement techniques

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

- Departmental DQAC Criteria IV Coordinator
- Course Coordinator of UG course
- Member of Law and Order Committee
- UG Project Coordinator:
- PG Project Coordinator
- Head Examiner

STUDENTS SUPERVISION

- Number of Post Graduation Dissertation Guided: 08
 - Number of Undergraduate Projects Guided : 15
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PUBLISHED/GRANT PATENTS

NA

PUBLISHED/ACCEPTED SCI/SCOPUS RESEARCH PAPERS

1. Avishek Chakraborty, Aishwarya Mishra, Indrasen Singh, Saif Ahmad4, **Mohd. Javed Khan**, Deepti Sharma, Ahmed Alkhayyat, Sumit Gupta (2024). Optimal Design of Smart Antenna Arrays for Beamforming, Direction Finding, and Null Placement Using Soft Computing Method. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*. (In Press)
2. **Khan, M. J.**, Chauhan, R. C. S., Singh, I., Fatima, Z., & Singh, G. (2024). Mobility Management in Heterogeneous Network of Vehicular Communication with 5G: Current Status and Future Perspectives. *IEEE Access*. [Web link](#)
3. Ahmad, S., & **Khan, M. J.** (2023). Ergodic Secrecy Capacity of Cooperative NOMA System with Untrusted User. *Wireless Personal Communications*, 133(1), 181-198. [Web link](#)
4. **Khan, M. J.**, Chauhan, R. C. S., & Singh, I. (2023). Energy efficient multiple cooperative moving relay selection for heterogeneous nonorthogonal multiple access systems. *International Journal of Communication Systems*, 36(4), e5408. [Web link](#)
5. **Khan, M. J.**, Chauhan, R. C. S., & Singh, I. (2022). Outage probability and throughput of cooperative non-orthogonal multiple access with moving relay in heterogeneous network. *Transactions on Emerging Telecommunications Technologies*, 33(12), e4616. [Web link](#)
6. **Khan, M. J.**, Chauhan, R. C. S., & Singh, I. (2022). Comparative Analysis of Full Duplex and Half Duplex Relay for High-Speed Vehicular Scenario. *Wireless Personal Communications*, 127(4), 3435-3448. [Web link](#)
7. **Khan, M. J.**, Chauhan, R. C. S., & Singh, I. (2022). Performance analysis of heterogeneous network using relay diversity in high-speed vehicular communication. *Wireless Personal Communications*, 125(2), 1163-1184. [Web link](#)
8. Ahmad, S., Khan, I. U., & **Khan, M. J.** (2023). Performance analysis of NOMA based UAV-assisted cooperative relaying system with direct link over rician fading channels. *Engineering Research Express*, 5(4), 045030. [Web link](#)

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

1. Priya, G. S., Sai, G., Singh, I., Tayal, S., & Khan, M. J. (2022, February). Analysis of Bit Error Rate for Multi-user TDMA-based Communication System. In *2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)* (pp. 01-06). IEEE. [Web link](#)
2. Khan, M. J., Singh, I., & Tayal, S. (2022, April). BER Performance using BPSK modulation over rayleigh and rician fading channel. In *2022 IEEE 11th International Conference on Communication Systems and Network Technologies (CSNT)* (pp. 434-437). IEEE. [Web link](#)
3. Tripathi, P., Ansari, M. A., Khan, M. J., & Yadav, S. (2018, September). Modelling of Energy Efficient PV-Diesel-Battery Hybrid system. In *2018 International Conference on Computational and Characterization Techniques in Engineering & Sciences (CCTES)* (pp. 1-5). IEEE. [Web link](#)
4. “Efficient and Reliable Algorithm for Edge and Corner Detection of Image” 3rd National Conference on Challenges & Opportunities for Technological Innovation in India , Ambalika Institute of Management & Technology , Lucknow, 2015-02-14.
5. “Evaluation of Intraprediction for MPEG-4 part 10 Video Codec” 3rd National Conference on Challenges & Opportunities for Technological Innovation in India , Ambalika Institute of Management & Technology , Lucknow, 2015-02-14.
6. “Technical Review on Multiple Descriptive Coding (MDC) for the Set Partitioning Embedded Block(SPECK) Coder to Meet the Challenges for Real Time Application of Image transmission over wireless channel” 3rd National Conference on Challenges & Opportunities for Technological Innovation in India , Ambalika Institute of Management & Technology , Lucknow, 2015-02-14.
7. “Design Issue and Challenges of reliable and secure transmission of medical images”, 2nd National Conference on Challenges & Opportunities for Technological Innovation in India, Ambalika Institute of Management & Technology , Lucknow, 2014-02-22

PUBLISHED NON-SCI-SCOPUS BUT PEER REVIEWED RESEARCH PAPERS

1. Sabra Akhtar Siddiqui, Saif Ahmad, **Mohd Javed Khan** , “Performance Analysis Of Cooperative NOMA System”, *International Journal for Science and Advance Research In Technology (IJSART)*- Volume 9 Issue 6 –June 2023, ISSN [ONLINE]: 2395-1052
2. Anjali Verma, **Mohd Javed Khan**, Saif Ahmad, “Solar Photovoltaic String under Partial Condition with Irradiance ”, *International Journal for Science and Advance Research In Technology (IJSART)*- Volume 9 Issue 6 –June 2023, ISSN [ONLINE]: 2395-1052
3. Deepak Kumar, **Mohd Javed Khan**, “Performance Analysis Of Photovoltaic String Under Partial Shading Condition ”, *International Journal for Science and Advance Research In Technology (IJSART)*- Volume 8 Issue 5 –May 2022, ISSN [ONLINE]: 2395-1052
4. Shafeeq Ahmad Ansari, **Mohd Javed Khan**, Saima Beg , “ Design and Modeling of SPV System and Its Performance Analysis Under Different Parameter”, *International Journal for Science and Advance Research In Technology (IJSART)*- Volume 7 Issue 5 –May 2021, ISSN [ONLINE]: 2395-1052
5. Akshita Srivastava, Mohd Javed Khan, Imran Ullah Khan, “ Outage Probability Analysis of Joint Relay And Antenna Selection In Full Duplex AF Relay Networks”, *International Journal for Science and Advance Research In Technology (IJSART)*- Volume 6 Issue 9 –Sep 2020, ISSN [ONLINE]: 2395-1052
6. Syed Saqlaina Bukhari, **Mohd Javed Khan** “Comparative Analysis on Image Compression Techniques for Medical Images”, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*- Volume 8 Issue 7 –May 2019, ISSN [ONLINE]: 2278-3075
7. **Mohd Javed Khan**, “Realization of Proportional Integral Derivative Controller Using DVCC”, *Journal of Applied Science and Computations(JASC)*- Volume 5, Issue 12, December 2018, ISSN NO: 1076-5131 , Page No: 464-468. DOI:16.10089.JASC.2018.V5I12.453459.1500153 (UGC Approved Journal : Journal No. : 41238)
8. **Mohd Javed Khan**, Imran Ullah Khan , S. Hasan Saeed, “A Review on Challenges and Possible Solution of Fifth Generation Network (5G)”, *Journal of Applied Science and Computations(JASC)*- Volume 5, Issue 11, November 2018, ISSN NO: 1076-5131 , Page No: 572-578 DOI:16.10089.JASC.2018.V5I11.453459.149883 (UGC Approved Journal : Journal No. : 41238)

9. Chaudhary Mohd Farhan, **Mohd Javed Khan**, Imran Ullah Khan, “Image Segmentation of Different Skin Disorders Using DWT Denoising & Morphological Operation” , International Journal of Research and Development in Applied Science and Engineering (IJRDASE)- Volume 18, Issue 1, Oct 2018, ISSN[ONLINE]: 2454-6844.
10. Ekta Rai ,Mohd Amir Ansari , **Mohd Javed Khan**, “A review on the Performance of Turbo Encoder/Decoder”, International Journal for Science and Advance Research In Technology (IJSART)- Volume 4 Issue 10 –Oct 2018 , ISSN [ONLINE]: 2395-1052
11. **Mohd Javed Khan**, Archana Yadav , Saif Ahmad , “Comparative Analysis of Proportional Integral Derivative Controller Using CCII and DVCC”, International Journal for Science and Research in Technology (IJSART)- Volume 3 Issue 5 –May 2017 , ISSN [ONLINE]: 2395-1052
12. Saif Ahmad ,**Mohd Javed Khan**, Archana Yadav , “Review of Discrete Cosine Transform, Accordion Discrete Cosine Transform, Discrete Wavelet Transform”, International Journal for Science and Research in Technology (IJSART)- Volume 3 Issue 5 –May 2017 , ISSN [ONLINE]: 2395-1052
13. Archana Yadav , Saif Ahmad, **Mohd Javed Khan**, “Sensitivity Enhancement of Metamaterial Based Five Layered SPR Sensor”, International Journal for Science and Research in Technology (IJSART)- Volume 3 Issue 5 –May 2017 , ISSN [ONLINE]: 2395-1052
14. **Mohd Javed Khan**, Imran Ullah Khan, S. Hasan Saeed, “Comparative Review on Error Resilient Multiple Description Coding Methods on H.264/MPEG-4 Part 10, International Journal of Research in Engineering and Technology, IJSART – Volume 2 Issue 3–MARCH 2016, ISSN[ONLINE]: 2395-1052
15. Saif Ahmad, **Mohd Javed Khan**, S.K.Mishra, Qazi Saeed Ahmad, “Comparisons between Discrete Cosine transform,Accordion Discrete Cosine Transform and Accordion Wavelet Transformations for Video”, IJSART - Volume 2 Issue 4 –APRIL 2016, ISSN [ONLINE]: 2395-1052
16. Imran Ullah Khan, **Mohd Javed Khan**, “Performance Analysis of H.264 Video Decoder on TI DSP Processor, IJSART – Volume 2 Issue 3–MARCH 2016, ISSN [ONLINE]: 2395-1052
17. Qazi Saeed Ahmad, Saif Ahmad, **Mohd Javed Khan** “Analysis of Simulation Parameter of WCDMA for Root Raised Cosine Filter”,*International Journal of Advanced Research in Computer and Communication Engineering, Vol. 4, Issue 8, August 2015*, ISSN (Online) 2278-1021
18. **Mohd Javed Khan**, Santosh Kr. Mishra, Dr. S. Hasan Saeed, “Error Resilient Wavelet based SPIHT Coding for Image/Video Over Packet Networks”, International Journal for Science and Advance Research In Technology, Volume 1 Issue 4 –APRIL 2015, ISSN [ONLINE]: 2395-1052
19. Saif Ahmad ,**Mohd Javed Khan**, S. K. Mishra ,Mahfooz Ahmad , “Comparisons between Accordion Discrete Cosine Transform and Accordion Wavelet Transformations for Video” , International Journal of Electronics, Electrical and Computational System, Volume 4, Issue 4 April 2015, ISSN 2348-117X
20. Santosh Kr. Mishra, **Mohd Javed Khan**, Dr. Rabindra Kumar Singh3 ,“ Design Issues on Error Resilient Transmission of Video & Image: Multi Description Coding for Wireless Sensor Network”, International Journal of Engineering and Management Research , Volume-5, Issue-2, April-2015, ISSN (ONLINE): 2250-0758, ISSN (PRINT): 2394-6962
21. Santosh Kr. Mishra, **Mohd. Javed Khan**, Saif Ahmad, Dr. Rabindra Kumar Singh4 ,“ Less Complex and Memory Efficient Multiple Descriptive Coding for Image Transmission over Wireless Sensor Networks”, International Journal of Engineering and Management Research , Volume-5, Issue-2, April-2015, ISSN (ONLINE): 2250-0758, ISSN (PRINT): 2394-6962
22. Imran Ullah Khan, **Mohd. Javed Khan**,S.Hasan Saeed ,Nupur Mittal “Basics of High-Efficiency Video Coding (HEVC) and its Comparison from H.264/AVC Video Codec”, International Journal of Engineering and Techniques – Volume 1 Issue 2, Mar – Apr 2015,ISSN: 2395-1303
23. **Mohd.Javed Khan**, Asok Bhattacharyya, Monuwer Alam, “DESIGN ISSUES AND CHALLENGES OF RELIABLE AND SECURE TRANSMISSION OF MEDICAL IMAGES” International Journal of Research in Engineering and Technology, Volume: 03 Special Issue: 10 | NCCOTII 2014 | Jun-2014, eISSN: 2319-1163 | pISSN: 2321-7308

BOOK EDITED/ AUTHORED

Edited book named “Circuit Design and Signal Processing” published by Aargon Press, New Delhi. ISBN 9789394070530

BOOK CHAPTERS

1. **Khan, M. J., Gaur, P., Ahmad, S., & Singh, I. (2024).** *Millimetre Wave for Next-Generation Networks: Opportunities, Challenges, and Possible Solutions. 5G and Beyond Wireless Communications, 35-55. CRC Press.*
 2. *Ahmad, S., Khan, M. J., & Singh, I. (2024). Establishing Seamless Connectivity through UAV Communication Systems. In Microwave Devices and Circuits for Advanced Wireless Communication (pp. 298-316). CRC Press.*
 3. *Mohd Javed Khan and Indrasen Singh, “Cooperative Power-Domain Non-Orthogonal Multiple Access (NOMA) in 5G Systems: Potentials and Challenges”, 5G and Beyond Wireless Networks Technology, Network Deployments, and Materials for Antenna Design, Routledge CRC press (ISBN 9781032504803).*
 4. *Kirti Prakash, Mohd Javed Khan, and Ram Chandra Singh Chauhan, “Non-Orthogonal Multiple Access (NOMA) for 5G Networks”, 5G and Beyond Wireless Networks Technology, Network Deployments, and Materials for Antenna Design, Routledge CRC press (ISBN 9781032504803)*
 5. Mohd Javed Khan, Akshita Srivastava, “Outage Probability Analysis of Joint Relay and Antenna Selection in Full Duplex AF Relay Networks” , Telecommunication and Electronic Technology, Aargon Press, New Delhi
 6. Mohd. Javed Khan·Neha Singh, “Bit Error Rate Analysis And Performance of OFDM System Using Digital Modulation Techniques” Telecommunication and Electronic Technology, Aargon Press, New Delhi .
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