



(SAIF AHMAD)

**Assistant Professor, Department of ECE, Faculty of Engineering,
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([Google Scholar Citation](#), | [Orcid Id](#), [Scopus](#), | [linked in](#))

PROFILE

- Saif Ahmad is working in the Department of Electronics and Communication Engineering as an Assistant Professor from October, 2013.
- Previously, he has worked as Lecturer in A.I.E.T, Lucknow.
- He has completed his PhD degree in Electronics engineering from Integral University Lucknow, M.Tech degree in ECE from Integral University ,Lucknow and B.Tech degree in ECE from Integral University, Lucknow.

RESEARCH INTEREST:

- Wireless cellular communication
- Device to device communication

SUMMARY OF RESEARCH ACCOMPLISHMENT:

- SCI/SCIE indexed Journal : 02
- ESCI indexed Journals : 01
- Conference Paper : 02
- Book chapter : 02
- Other National / International Journals : 11

PROFESSIONAL MEMBERSHIP:

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

COURSE TAUGHT:

- Digital Electronics
- Basic Electronics
- Communication System

- VLSI Design
- Integrated Circuits

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

- NAAC Criteria 5 Departmental in-Charge since, August 2023
- NAAC Criteria 4 Departmental in-Charge from, July 2016 - July 2023.
- Course Coordinator of UG course
- Member of Law and Order Committee
- UG Project Coordinator
- LAB Coordinator
- Head Examiner

STUDENTS SUPERVISION

- Number of Post Graduation Dissertation Guided: 07
 - Number of Undergraduate Projects Guided : 10
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PUBLISHED/GRANT PATENTS

NA

PUBLISHED/ACCEPTED SCI/SCOPUS RESEARCH PAPERS

1. Avishek Chakraborty, Aishwarya Mishra, Indrasen Singh, **Saif Ahmad**, 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. **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](#)
3. **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](#)
4. Singh, K., Chandel, T. A., & **Ahmad, S.** (2019). Effect of Bypass Diode under partial shading in SPV module: A Review. *International Journal of Recent Technology and Engineering (IJRTE) ISSN, 2277-3878*.

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

1. **Ahmad, S.**, & Khan, I. U. (2021, December). A Review of Enhance the Secrecy Performance using PLS Approach. In 2021 10th International Conference on System Modeling & Advancement in Research Trends (SMART) (pp. 350-355). IEEE.
2. **Ahmad, S.**, & Siddiqui, M. M. (2013). ACC-DCT BASED VIDEO COMPRESSION USING UP/DOWN SAMPLING METHOD. HANDBOOK OF MANAGEMENT, TECHNOLOGY AND SOCIAL SCIENCES.

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. 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.
4. **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.
5. 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.
6. **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.
7. 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.
8. **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 .
9. Santosh Kr. Mishra, Mohd. Javed Khan, **Saif Ahmad**, Dr. Rabindra Kumar Singh ,“ 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.
10. Ahmad, Q. S., **Ahmad, S.**, & Charan, P. Review Paper on Quantum Technology for Use with Optical Fiber. Journal of Optical Communication Electronics, 1(3).
11. **Ahmad, S.**, & Siddiqui, M. M. "VIDEO COMPRESSION USING ACCORDIAN DISCRETE COSINE TRANSFORM METHOD" IPASJ International Journal of Electronics & Communication (IJEC)-2014 Volume 2, Issue 6, June 2014 ISSN 2321-5984.

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.