

Brief Profile

Name:	Amit Kumar Ahuja
Date of Birth:	14 th March, 1979
Educational Qualification:	
<i>Ph. D.</i>	SCSVMV, Chennai (ECE) (Thesis Submitted)
<i>M. Tech</i>	UPTU, Lucknow (Digital Communication)
<i>B. Tech</i>	SRTMU, Nanded (Electronics Engineering)
Work Experience:	
• <i>Teaching</i>	15 Years 4 Months
• <i>Industry/Research</i>	-
E-mail ID:	amit.ahuja@miet.ac.in, amit123ahuja@gmail.com
Contact No:	(O): 0121-2439019, 057 (M): +91-9412336899, 9012228899
Area/Subjects of Interest	Receivers for Digital Communications, BER-reduction, Green Computing, Wired and Wireless Communication Technologies, Performance Evaluation, MATLAB based Simulations, Digital Communications, Digital Signal Processing, Quality of Service (QoS) issues at physical layer etc.
Teaching:	
<i>Subjects Taught at UG level</i>	Digital Communication, Principles of Communications, Wireless Communication, Digital Signal Processing, Signals and Systems, Electronic Switching etc.
<i>Subjects Taught at PG level</i>	Advanced Digital Communications, Digital Signal Processing and Applications, Detection and Estimation Theory.
Research Guidance	
<i>No. of Ph.D./M.Tech Guided</i>	05 (M. Tech)
Research Publications	
• Journals	05
• Conferences	01
• Book Chapters	-
Patent/IPR	-
(Books Published etc.)	
No. of National/International Conferences attended/ Paper Presented	01
STC/FDP/Summer/Winter Schools/Workshops/Seminars attended	11
Memberships of the Professional Societies	IETE, IEEE
Awards/Honors	-
Any other relevant Information	-

LIST OF PUBLICATIONS

Journal Papers:

1. A. K. Ahuja and R. Chakka, "A new approach to bit error rate reduction and its impact on telecom performance," *J Sci Ind Res*, vol. 72, pp. 149–159, 2013.
Indexing: SCI expanded, Scopus
2. A. K. Ahuja, R. Chakka, and P. V. Krishna, "BER reduction in signal receivers towards greening of digital communications," *Int. J. Commun. Networks Distrib. Syst.*, vol. 12, no. 1, pp. 82–94, 2014.
Indexing: Scopus
3. A. K. Ahuja and R. Chakka, "Analysis of the performance improvement due to a new receiver for baseband telecommunications, and development of a fast predictive model," *J Sci Ind Res*, vol. 73, pp. 577–587, 2014.
Indexing: SCI expanded, Scopus
4. R. Chakka and A. K. Ahuja, "New Receivers in Digital Communications, Performance Evaluation and Comparisons," *J. Sci. Ind. Res.*, vol. 74, pp. 618–629, 2015.
Indexing: SCI expanded, Scopus
5. A. K. Ahuja, R. Chakka, and T. S. Pathak, "First Order Correlations in Simulated and Real Digital Traffic: Importance, Study & Analysis," *J. Sci. Ind. Res.*, vol. 75, pp. 159–171, 2016.
Indexing: SCI expanded, Scopus

Conference Papers:

1. P. Kumar, A.K. Ahuja, and Ram Chakka, "BCH/Hamming/Cyclic coding Techniques: Comparison of PAPR–Reduction Performance in OFDM Systems", *International Conference on Intelligent Computing and Applications (ICICA-2016)*, 21st December, 2016, Proceeding proposed to be published in *Advances in Intelligent Systems and Computing (AISC)*, Springer (Indexed in Scopus).