

Dr.A.AMSAVENI

Professor,
Dept.of ECE,
Kumaraguru College of Technology,
Coimbatore – 641 049

E-mail:amsaveni.a.ece@kct.ac.in
Mobile Phone: 9894036677

Book Published:

Published a book titled “**Antennas and Wave Propagation**” for Anna University syllabus requirements in the year 2006.Latest (4th) edition:2017 ;**ISBN No: 978-81-8472-247-5**

List of Publications in International Journals:

1. Bharathi, M., **Amsaveni, A.**, Sasikala,S (2019). ‘Orthogonal frequency division multiplexing for improving the performance of terahertz channel’ Journal of Infrared and Millimeter Waves, Vol.38, No.3 , pp.263-266, 2019(**Anna University Annexure journal, Scopus Indexed**)
2. **A. Amsaveni**, M. Bharathi, P.J.Phavithra (2018), ‘Gain Enhancement of a Square Patch Antenna using EBG Structure’, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-2S, 397-400, ISSN: 2278-3075(**Scopus Indexed Journal**)
3. M.Bharathi, **A.Amsaveni**, B. Manikandan, ‘Speed Breaker Detection Using GLCM Features’, Volume-8 Issue-2S, 384-389, ISSN: 2278-3075 (**Scopus Indexed Journal**)
4. **A. Amsaveni**, M. Bharathi, J. N. Swaminathan, ‘Design and performance analysis of low SAR hexagonal slot antenna using cotton substrate’, Microsystem Technologies,<https://doi.org/10.1007/s00542-018-4109-6>. (**Anna University Annexure journal, Scopus Indexed**)
5. M. Bharathi, **A.Amsaveni**, S. Ravishankar, ‘Extraction of two wire Loop topology using Hybrid Single Ended Loop Testing’, Journal of Microelectronics, Electronic Components and Materials, Vol. 48, No. 1(2018), 41 – 52. (**Anna University Annexure journal, Scopus Indexed**)

6. Bharathi Mayilswamy, **Amsaveni Avinashiappan**, 'Performance estimation and analysis of power line communication using single-ended loop testing', Turk J Elec Eng & Comp Sci(2018) 26: 2029 – 2042,doi:10.3906/elk-1712-65(**Anna University Annexure journal, Scopus Indexed**)
7. A. Regi Saral, V. Lavanya, **A. Amsaveni** (2018), 'A Triangular Patch Antenna for Wireless Applications' , International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE), Volume 7, Issue 3, pp.227-231,ISSN: 2278 – 909X.
8. **Amsaveni, A**, Vanathi, PT (2017), 'Reversible Data Hiding Based on Radon and Integer Lifting Wavelet Transform', Journal of Microelectronics, Electronic Components and Materials, Vol. 47, No. 2, 90 – 98, ISSN:2232-6979 (**Anna University Annexure journal, Scopus Indexed**)
9. **Amsaveni, A**, Anusha,K (2017), 'A Circularly Polarized Triangular Slot Reconfigurable Antenna for wireless applications', International Journal of Pure and Applied Mathematics, Vol. 116, No. 11, 81-89, ISSN:1311-8080 (**Scopus Indexed Journal**)
10. Premalatha P, **Amsaveni, A** (2017), 'Data hiding in a digital image with FPGA implementation' IEEE Xplore Digital Library, ISBN:978-1-5090-4556-3
11. **Amsaveni, A**, Vanathi, PT (2015), 'A comprehensive study on image steganography and steganalysis techniques', International Journal of Information and Communication Technology, vol. 7, no. 4/5,pp. 406-424, ISSN: 1741-8070 .
12. **Amsaveni, A**, Vanathi, PT (2015), 'An Efficient Reversible Data Hiding Approach for Color Images Based on Gaussian Weighted Prediction Error Expansion And Genetic Algorithm', International Journal of Advanced Intelligence Paradigms, vol. 7, no. 2, pp. 156-171, ISSN: 1755-0394.
13. **Amsaveni, A**, Arunkumar, C (2015), 'An efficient data hiding scheme using firefly algorithm in spatial domain' IEEE Xplore, pp-650 – 655, ISBN: 978-1-4799-7224-1.
14. **Amsaveni, A**, Angel Lissy George 2014,'Diagnosis of Wilson Disease by Support Vector Machine based on GLCM Features' International Journal of Advance Research in Computer Science and Management Studies , Volume 2,Issue 1,pp.662-668,2014(Impact Factor:1.125)

List of Publications in National / International Conferences:

1. Presented a Poster titled '**Medical Applications Using Antenna**' at Kumaraguru College of Technology, Coimbatore in IEEE AP-S Seminar on 17.08.2018.

2. Phavithra. P. J, **Amsaveni. A**, ‘EBG Array Based Wearable Antenna For Gain Improvement’ National Conference on Communication, Information Technology and Electronics (CITEL ’18), April 2018,
3. **Amsaveni A**, Anusha K, Praveen R(2017), “Overview of 5G Technology”, Proceedings of 30th GISFI Standardization Series Meeting and IEEE 5G Summit, 16-17 November 2017, SRM University, Kattankulathur, Chennai, Vol. 2,pp.10-13.**(Received *BEST PAPER AWARD*)**
4. **Amsaveni A**, Anusha K (2017), “A Circularly Polarized Triangular Slot Reconfigurable Antenna for wireless applications' International Conference on Science, Technology and Engineering Promotion(i-STEP), Kumaraguru College of Technology, Coimbatore
5. **Amsaveni A**, Lavanya,V (2017), “A Compact Hexagonal Slot Wideband Antenna for WLAN / WiMAX Applications”, Proceedings of International Conference on IoT, Data Sciences and Security (ICIDS’17), PSG College of Technology, Coimbatore.
6. **Amsaveni A**, Regi saral,A (2017), “A Circularly Polarized Triangular Patch Antenna for Wireless Applications”, Proceedings of International Conference on IoT, Data Sciences and Security (ICIDS’17), PSG College of Technology, Coimbatore.
7. Dhasharathi R, **Amsaveni A**, Arunnkumaran GP (2016),“Reversible Data Hiding using Chaotic and 2D Logistic Encryption”, Proceedings of International Conference on Communication and Security (ICCS-2016), Pondicherry Engineering College, Pondicherry.
8. **Amsaveni A**, Dhasharathi R (2016), “Chaotic and 2D Logistic Encryption based Reversible Data Hiding”, Proceedings of 3rd IEEE International Conference on Innovations in Information, Embedded and Communication Systems(ICIEIECS’16),Karpagam College of Engineering, Coimbatore.
9. Premalatha P, **Amsaveni A** (2016), “Data Hiding in a Digital Image with FPGA implementation”, Proceedings of 3rd IEEE International Conference on Innovations in Information, Embedded and Communication Systems(ICIEIECS’16), Karpagam College of Engineering, Coimbatore.
10. **Amsaveni A**, Arunkumar, C (2015), “An efficient data hiding scheme using firefly algorithm in spatial domain” Proceedings of IEEE 2nd International Conference on Electronics and Communication System(ICES 2015), Karpagam College of Engineering, Coimbatore.

10. Shrihari P, **Amsaveni A**, Vanathi PT (2015), “Reversible Data hiding based on DWT and Slantlet Transform”, Proceedings of the 2nd IEEE International Conference on Knowledge Collaboration in Engineering, Kathir college of Engineering, Coimbatore.