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BIO:

Dr. N.Amutha Prabha completed her BE ECE in Bharathiar University and ME Applied Electronics and obtained a PhD from Anna University. Well versed and up-to-date in her field.

In the teaching profession, she has a vast experience of over 22 years. She has handled a wide range of subjects for undergraduate students from the ECE, EEE and EIE streams, and postgraduate students from Communication Systems. She laurels as a best lecture award for continuous 2 years.

An ardent research scholar, Dr. N.Amutha Prabha is currently guiding research in wireless communication and wireless sensor networks, image and signal processing. Her research includes, among other things, wireless LAN networks, discrete time linear systems. She has 6 research scholars under her guidance. She has also won awards such as Best Lecturer and Best Paper at various levels. She has published about 50 papers in National/ International Journals and Conferences.

Dr. N.Amutha Prabha has organized and conducted various national and international conferences and workshops in the fields of VLSI design, wireless networks, advanced communication systems, etc. She has also played a vital role in conducting and coordinating various other events. Dr. N.Amutha Prabha is a Fellow of IETE. She is also a prominent member of MISTE. She also serves as a doctoral committee member, member of various panels and committees of educational institutions in various capacities.

LIST OF PUBLICATIONS:

1. S. Jeevitha and N. Amutha Prabha, “Novel medical image encryption using DWT block-based scrambling and edge maps”, Journal of Ambient Intelligence and Humanized Computing, 2020. DOI 10.1007/s12652-020-02399-9– Springer.

2. Ayeswarya, R. and Amutha Prabha, N.,(2019), ’Fractional Wavelet Transform Based OFDM System with Cancellation of ICI’,Journal of Ambient Intelligence and Humanized Computing, 1-11.

3. Ayeswarya, R. and Amutha Prabha, N.,(2019), ’Fractional wavelet transform based PAPR reduction schemes in multicarrier modulation system’, IETE journal of research, 1-11.

4. Ayeswarya, R. and Amutha Prabha, N., Performance Evaluation of ICI Self Can-cellation Schemes in Fractional Wavelet Based OFDM System in International Journal of Internet Technology and secured transactions.

5. Ayeswarya, R. and Amutha Prabha, N., ConjugateMapping Based Self Cancella-tion of ICI in Wavelet Based OFDM,Accepted in Journal of Advance Research in Dynamical and Control systems.

6. Ayeswarya, R. and Amutha Prabha, N., (2018), ’FrWT based OFDM system’,International Journal of Pure and Applied Mathematics, 119(12), 265-273.

7. Saladi. Saritha, and N. Amutha Prabha, (2018), MRI Brain Segmentation in

Combination of Clustering Methods with Markov Random Field. International

Journal of Imaging Systems and Technology 28, no. 3, pp.207-216.

8. Saladi. Saritha, and N. Amutha Prabha, (2018), A Novel Fuzzy Factor For MRI Brain Image Segmentationwith Intuitionistic FuzzyKernel ClusteringApproach.-Journal of Advanced Research in Dynamical and Control Systems 10 – Special Issue - 02, pp.639-652.

9. Kumutha. D. and Prabha N. A., (2018), Hilbert fast-SAMP with different chan-nel estimation schemes of BER analysis in MIMO- OFDM system, International Journal of Internet Technology and Secured Transactions, 8(2), 221- 237.

10. Saladi. Saritha, and N. Amutha Prabha, (2017), Analysis of Denoising Filters on MRI Brain Images. International Journal of Imaging Systems and Technology 27, no. 3, pp.201-208.

11. Saritha. Saladi, and N. Amutha Prabha, (2017), Tumor Segmentation using Hy-brid Algorithms on MRI Brain Images, in springer conference – International Conference on Translational Medicine and Imaging (ICTMI - 2017), August 28 -30, 2017, Vellore, INDIA. (Accepted in Springer Molecular Biology and Imaging Journal)

121. Kumutha.D. and Prabha N. A., (2017), Hybrid STBC-PTS with enhanced artifi-cial bee colony algorithm for PAPR reduction in MIMO-OFDM system, Journal of Ambient Intelligence and Humanized Computing, 1-17.

13. Saritha. Saladi, and N. Amutha Prabha, (2016), A Comprehensive Review: Seg-mentation of MRI Images Brain Tumor. International Journal of Imaging Systems and Technology 26, no. 4, pp.295-304.

14. Kumutha. D. and Prabha N. A., (2016), Effective PAPR reduction in MIMO-OFDM using combined SFBC- PTS, ARPN J Eng Appl Sci, 11(21), 12690 -12694.

15. Kumutha. D. and Prabha N. A., (2016), Performance analysis of PAPR reduction in LTE system, Indian Journal of Science and Technology, 9(32), 1-

16. Kumutha. D. and Prabha N. A., (2016), Improvement of SNR using Pilot Inser-tion with SSS algorithm in Sparse Channel Estimation, International Journal of Research Development and Organization,1(4), 1- 7.

17.. Jeevitha S, Prabha NA,"Effective payload and improved security using HMT Contourlet transform in medical image steganography", Health and Technology, 2020 Jan;10(1):217-29-Springer.

18. Jeevitha S, Amutha Prabha N, "Steganography technique based on WPT and ElGamal encryption with confusion for robust medical image", Journal of Advanced Research in dynamical and control system, 2019, Vol. 11, Issue-7, pp, 177-192

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