



**Name:** Dr. D. Madhavi

**Designation:** Assistant Professor

**Date of Birth:** 20-08-1968

**Date of Joining:** 04-09-2006

**Total Experience in This College:** 14 Years and 5 Months.

**Total Teaching Experience:** 26 Years and 5 Months.

**Research Interests:** UWB Antennas

**Qualifications:**

B.Sc., ANU Affiliated College, Guntur, Andhra Pradesh, India

M.Sc., Sri Venkateswara University, Tirupati, Andhra Pradesh, India

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**Research Grants Received:**

Received Major Research Project grant of Rs 9, 02,800/- from UGC, New Delhi for “Analysis of Ultra Wide Band Signal Attenuation through Typical Building Materials (Completed).

**Countries Visited:** Russia, China

**Professional Memberships** : IAENG Member, Hong Kong

**Papers published in Journals and Conferences: 11**

1. D. Madhavi, G.Padmaja Rani, NV Poornachandra Rao, “ Design and Development of Vivaldi Antenna for Ultra- Wideband Applications”, Advances in modeling, series B, volume 57, issue1, pp 8-18, 2014, AMSE.
2. D. Madhavi, G.Padmaja Rani, NV Poornachandra Rao, “ Modeling and Simulation of Optimized Saddle Antenna for Ultra- Wideband Applications”, Advances in modeling, series B, volume 56, issue2, pp 20-34, 2013, AMSE.

3. D. Madhavi, G.Padmaja Rani, NV Poornachandra Rao, “ Analysis of UWB Signal Propagation Through Common Building Materials”, International Journal of Applied Engineering Research, Volume 10, Number 9(2015)pp. 24627-24639, ISSN 0973-4562.
4. D.Madhavi, G.Padmaja Rani, NV Poornachandra Rao,“ Modeling and simulation of Vivaldi antenna for UWB applications,” Proceedings of the national conference on signal processing & communication systems”,pp 443-445, NCSPCS 2010, RVR & JCCE, Guntur, Feb 25-26,2010.
5. D.Madhavi, G.Padmaja Rani, NV Poornachandra Rao, A. Sudhakar, “Modeling of Monopole Microstrip Patch Antenna for UWB applications”, pp 69-71, Vol-2,No-1, ANU.J. Engineering & Technology, June -2010.
6. Devabhaktuni Madhavi, Alapati Sudhakar, “Bandwidth Improvement of Rectangular Patch Antenna Using Multiple Slots”, Proceedings of Photonics & Electromagnetics Research Symposium- Fall (PIERS-Fall), Xiamen, China, 17-20 December 2019, pp. 233-241, published in IEEE Xplore, DOI: 10.1109/PIERS-Fall 48861.2019.9021647.
7. Devabhaktuni Madhavi, Alapati Sudhakar, “Design of Microstrip Patch Antenna for MIMO Applications”, Proceedings of Photonics & Electromagnetics Research Symposium- Fall (PIERS-Fall), Xiamen, China, 17-20 December 2019, pp. 199-206, published in IEEE Xplore, DOI: 10.1109/PIERS-Fall 48861.2019.9021463.
8. D. Madhavi, Sudhakar Alapati, Modeling and Simulation of Compact Microstrip Patch Antenna for WI-Fi Applications, Journal of Xidian University, Vol 14, Issue 5, pp. 5535-5539, June 2020. <http://doi.org/10.37896/jxu.14.5/600>. ISSN No: 1001-2400.
9. Sudhakar, A., Pasha, I.A., Madhavi, D. “Study of the bipolar operation of field-effect transistors” Modelling, Measurement and Control A, 1993, 52(4), pp. 23–38, AMSE, France.
10. Sudhakar, A., Madhavi, D. “Design and simulation of optimized ultra-wideband saddle antenna” Progress in Electromagnetics Research Symposium, 2013, pp. 739–743, PIERS-2013, Stockholm, Sweden.
11. Sudhakar, A., Madhavi, D. “Design of slot arrays for the generation of stair-step patterns” Progress in Electromagnetics Research Symposium, 2017, pp. 155–160. PIERS-2017, St. Petersburg, Russia.

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