

Dr. S. Revathy, M.E., Ph.D.,

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Dr. S. Revathy is working as an Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. She holds a Ph. D degree in the field of RF & Microwave from Anna University, Chennai since 2022 with a research focus on RF energy harvesters for terrestrial and space applications. She has a few months of work experience from GalaxEye Space, IIT Madras as an Antenna Design Engineer. She has completed her masters in communication systems from Sri Venkateshwara College of Engineering and bachelors in ECE from Jeppiaar institutions. She has published several research articles in national and international journals especially in SCI. She has strong antenna simulation skill utilizing Keysight ADS and CST. She has hands-on experience on characterization and measurement by using RF test equipment. She has reviewed several research papers and synopsis from IET Microwave, Antenna and Propagation and Circuit World journals. She has received ITSR Foundation Award for Young Research in RF and Microwave in 2019 from ITSR Foundation, Jaipur, India. She is always motivated to learn, grow and excel in RF industry.

Area of Research:

Antennas, RF Energy Harvesters

Accomplishments:

1. ITSR Foundation Award for Young Researcher (RF & Microwave) 2019 was awarded by ITSR Foundation, Jaipur (Rajasthan), India on 31/03/2019.
2. Reviewed several research papers and synopsis from IET Microwave, Antenna & Propagation and Circuit World Journals.
3. Presented in workshop and conference as a resource person and also given hands-on training for students on EM simulation tool.
4. Attended 15 National and International Conferences, 20 Seminars, 6 Workshops and 1 Faculty Development Program and also obtained best paper presentation award.
5. Published several papers in National and International Journals, especially in SCI.

Publications:

SCI Journals

1. Srinivasan, Revathy & Hyder Ali, Umma Habiba. (2019). High-performance antenna for energy harvesting in satellite health monitoring system. IET Communications. 10.1049/iet-com.2019.0366.

2. Srinivasan, Revathy & Hyder Ali, Umma Habiba. (2020). Energy harvesting wireless sensor for achieving self-powered structural health monitoring system. *Circuit World*. 10.1108/CW-05-2019-0045.

International Journals

1. Dhanraj Vedanth, R., Balaji Arul Selvan, S., Jeyenth Kumar, G. K., Joshua Roshan Samuel, Revathy, S., & Umma Habiba, H. (2017). Low Profile HMSIW Rectenna for Energy Harvesting. *International Journal of Electronics, Electrical and Computational System*, 6(8).
2. Revathy, S., Ponmalar, G., & Umma Habiba, H. (2018). Compact UWB Rectenna based RF Energy Harvester for Future IoT. *International Journal of Creative Research Thoughts*, 6(2), 897-902.
3. Revathy, S., & Umma Habiba, H. (2019). RF Energy Harvesting for IoT Application. *International Journal for Research in Applied Science & Engineering Technology*, 7(5), 2950-2953.
4. Sharmili, S., Revathy, S., Babjee, S., & Umma Habiba, H. (2020). Hybrid Energy Harvesting System based Sustainable Building. *International Research Journal of Engineering and Technology*, 7(1), 92-99.
5. Revathy, S., Umma Habiba, H., & Anitha, R. (2021). RF Energy Harvesting System for achieving Self-powered Satellite Health Monitoring System. *International Journal of Research and Analytical Review*, 8(3), 934-937.
6. Revathy, S., Umma Habiba, H., & Anitha, R. (2021). RF Energy Harvesting using Printed Halfwave and Quarter-wave Length Monopole Antenna for IoT Application. *International Journal of all Research Education and Scientific Methods*, 9(9), 1824-1828.

International Conferences

1. Sriram, P. R., Rahul Bhaskaran, Pranav Srinivasan, Nithin Krishnan, Revathy, S., Ramanujan, A. E., & Umma Habiba, H. (2017). A compact semi-circular patch diversity antenna for wireless portable devices. *International Conference on Innovative Computing Technology*, 70-73.
2. Sriram, P. R., Revathy, S., & Umma Habiba, H. (2017). Low profile co-radiator transmit-receive antenna for Ku-band. *International Conference on Systems, Signals and Image Processing*, 1-2.
3. Amitesh Sridharan, Revathy, S., & Umma Habiba, H. (2018). Energy Harvesting using 5G Rectenna for IOT Application. *International Conference on New Trends in Engineering & Technology*.
4. Raghavandaar, M., Prathiksh, M., Revathy, S., & Umma Habiba, H. (2020). Energy Harvesting using 2.45GHz Rectenna for Powering Sensors in IoT Devices. *International Conference on Electronics, Information, and Communication*, 1-3.
5. Revathy, S., & Umma Habiba, H. (2021). Rectenna for Powering Smart Agriculture Sensors. SMTBEA, SSN College of Engineering, Chennai.
6. Revathy, S., & Umma Habiba, H. (2022). Study on Technological Nodes and Semiconductor Process Technologies. SEMICON, Bharath University, Chennai.

National Conference

1. Revathy, S., & Umma Habiba, H. (2019) RF Energy Harvesting using Printed Half-Wave and Quarter-Wave Length Monopole Antenna for IOT Application. NCICT, SSN College of Engineering, Chennai.

Book

1. Revathy, S., & Umma Habiba, H. (2022) Design and Analysis of X-band Radar Antenna for Self-powered Sensor Application in Space. Springer Singapore, Bharath University, Chennai.

Google Scholar:

<https://scholar.google.com/citations?user=WMWewAUAAAJ&hl=en&oi=ao>

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