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Area of Specialization: Antennas and Microwaves

## PUBLICATIONS

### Journals

Dr.M.Kavitha, Dr.S.Shanthi, A. Beno, B.Arul Rajan, **Dr.M.Sathish** published a paper title, "[Design of 2X2 MIMO DRA Antenna for 5G Communication](#)" International Journal Of Scientific & Technology Research, Volume 9, Issue 03, March 2020, pp:7025-7029, ISSN 2277-8616.

Shaik Thasleem Bhanu ,**Dr. M. Sathish** , Shanmugapriya P ,Helan Vidhya T published a paper titled, "[Performance Analysis of 1x2 Corporate Fed RMSA Array with Feed at Radiating Slot](#)" in International Journal of Advanced Science and Technology, Vol. 29, No.8, (2020), pp.3845-3853.

**Dr. M. Sathish** and Amruth published a paper titled, "[Compact wideband band-stop filter using stepped complementary split ring resonators](#)" in "Analog Integrated Circuits and Signal Processing" Volume:102, Number 2 , Feb 2020, pp. 363-367 Publisher: Springer Nature Publishers, ISSN: 0925-1030 (Print) 1573-1979 (Online).

Jhanani Shree U, Bharathy R, Anitha Mary M and **Sathish M** published a paper titled, "[Smart Vehicle System Using Brain Computer](#)", in International Journal of Pure and Applied Mathematics, Volume 119 No. 7 2018, pp. 231-237 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version).

**Sathish M** and Dr.Gunasekaran, N published a paper titled, "[Analysis and Characterization of an Array of Complementary Split Ring Resonators Based Filter for RF Radiation Sensors](#)" in Sensor Letters, Volume 16, Number 6, June 2018, pp. 454-459(6) DOI: 10.1166/sl.2018.3982. ISSN: 1546-198X (Print): EISSN: 1546-1971 (Online).

Manikandan T, Bharathi N, **Sathish M**, Asokan V published a paper titled, "[Hybrid Neuro-Fuzzy System for Prediction of Lung Diseases Based on the Observed Symptom Values](#)" in Journal of Chemical and Pharmaceutical Sciences, JCHPS Special Issue 8: June 2017, Pages: 69-76 (ISSN: 0974-2115).

**Sathish M**, Bharathy R, Asokan V, Mohanakrishnan V published a paper titled, "[Wireless Intelligent Humanitarian Demining Robot](#)" in FRONTEIRAS - Journal of Social, Technological and Environmental Science, special issue 1 2017, Pages: 699 -705 (ISSN NO: 2238-8869).

**M. Sathish**, V. Vignesh, S. Sivasubramanian, and G. Vijaya Sripada published a paper titled, "[Design, Analysis and Performance Enhancement of a Corporate-Feed Microstrip Patch Aerial Array for ISM Band Applications](#)" in Journal of Chemical and Pharmaceutical Sciences, JCHPS Special Issue 8: June 2017, Pages: 220-224 (ISSN: 0974-2115).

**M. Sathish**, V. Vignesh , S. Sivasubramanian , and G. Vijaya Sripada published a paper titled, "[Design, Analysis and Gain Enhancement of a Series-Feed Microstrip Patch Antenna Array for Wireless Applications](#)" in Journal of Chemical and Pharmaceutical Sciences, JCHPS Special Issue 8: June 2017, Pages: 1-5 (ISSN: 0974-2115).

Asokan V, **Sathish M**, Manikandan T published a paper titled, "[Design and Analysis of Dual H-Shape Fractal Antenna for UWB Applications](#)" in Journal of Chemical and Pharmaceutical Sciences, 2016 special issue, Pages: 91-93.

**M. Sathish** and S. Ragavi, P.Oviya published a paper titled, "[Design of Microstrip Patch Coplanar Antennas using Metamaterial with Complementary Split Ring Resonator Structure to Avoid Interference](#)" in Australian Journal of Basic and Applied Sciences, 10(1) January 2016, Pages: 100-104.

A paper titled, "[Parametric analysis and Gain enhancement of planar yagi antenna](#)" by **Dr.M.Sathish**, Shaik Thasleem Banu, Sushma Jagtap, Dr.T.Manikandan is in accepted for publication in "Telecommunication and Radio Engineering".

**Dr.M.Sathish** and Dr.N.Gunasekaran published a paper titled, "[Design, fabrication and performance analysis of corporate feed filtenna array using CSRR](#)" in "Microwave and optical letters" as early view

A paper titled, "[Enhanced Filter Characteristics Using an Array of Square and Hexagonal CSRR for Notching the ISM Band in UWB Antennas](#)" by **Dr.M.Sathish**, Bharathi N is in review.

A paper titled, “[Parametric analysis of band elimination filter using C-CSRR and T-CSRR array for wireless applications](#)” by **Dr.M.Sathish** is in review.

A paper titled, “[Development of two elements reflectenna array and its use in rectenna for low power applications](#)” by **Dr.M.Sathish**, Rohithkumar P is in review.

### **Conferences:**

**M.Sathish** presented a paper "[A Survey on Microstrip Filtering Antenna Arrays](#)" in EDGE 2020 at REC.

**M.Sathish** presented a paper on “[Design and development of a new Microstrip Patch Antenna for ISM Band Applications](#)”, Proceedings of the International Conference on Frontiers in Smart System Technologies, (FSST -2019) held at Veltech University during 3-5, April 2019.

**M.Sathish** presented a paper on “[Design and development of Patch Antenna Array with Band-pass Filter for ISM Band Applications](#)”, Proceedings of the Third International Conference on Electronics Communication and Aerospace Technology [ICECA 2019], IEEE Conference Record # 45616; IEEE Xplore ISBN: 978-1-7281-0167-5, pp.888-891, 2019.

**M.Sathish** presented a paper on “[Design and analysis of DGS based patch antenna with rectifier for low power applications](#)” at SVCE in National Conference on Signal Processing, Communication and Networking, 2019 held on 15.03.2019.

**M.Sathish** presented a paper on “[Design and fabrication of RF filter for spurious mode suppression in patch antenna](#)” at SVCE in National Conference on Signal Processing, Communication and Networking, 2019 held on 15.03.2019.

**M.Sathish** presented a paper on "[Smart Vehicle system using brain computer interface](#)" at 8<sup>th</sup> international conference on science and innovation engineering" held on 1.4.2018 at Jawahar Engineering College, Chennai.

**M.Sathish** presented a paper titled, "[Development of bandstop filter using CSRR array for mobile applications](#)" in Organisation of science and innovative engineering and technology at prince shri venkateshwara padmavathy engineering college on 10.03.2018.

**M.Sathish** presented a paper titled, "[Improvement in rectenna characteristics using reflectenna array for low power application](#)" in International conference on innovation in Science and Engg research (ICISER' 18) at New Prince Shri Bhavani College of Engg and Tech on 23.03.2018.

**M.Sathish** presented a paper titled, "[Improvement of filter characteristics using an array of S-CSRR and H-CSRR for wireless communication](#)" in Third international conference on innovative and emerging trends in engineering and technology at Panimalar institute of technology on 9.3.2018. (Best Paper Award).

**M.Sathish** presented a paper titled, "[Design of rectangular reflectenna for 2.4GHz applications](#)" in Second International National Conference on Recent Trends Science, Engineering, and Management at Karpaga Vinayaga College of engineering on 23.02.2018.

**M.Sathish** presented a paper titled, "[Characteristics study of yagi uda planar antenna](#)" in Proceedings of International Conference on Computing, Communication and Drastic Innovations in Energy Thrive at University College of Engineering, Panruti on 01.03.2018.

**M.Sathish** presented a paper titled "[Wireless Intelligent Humanitarian Demining Robot](#)", emerging trends in Information and Communication organized by SA Engg College on 6<sup>th</sup> and 7<sup>th</sup> April 2017 IEEE photonics.

**M.Sathish** presented a paper titled, "[Design of Microstrip patch coplanar antenna using metamaterial with CSRR structure to avoid interference](#)" in National Conference on emerging trends in VLSI & communication engineering (ETVCE'16) at Sree Sastha Institute of Engineering and Technology on 19<sup>th</sup> Feb 2016.