

***Dr. S. RAMPRABHU***

**Publications (2015-2020)**

1. **R. Sivasamy** and M. Kanagasabai, "A Novel Dual-Band Angular Independent FSS With Closely Spaced Frequency Response," in *IEEE Microwave and Wireless Components Letters*, vol. 25, no. 5, pp. 298-300, May 2015, doi: 10.1109/LMWC.2015.2410591.
2. **R. Sivasamy**, L. Murugasamy, M. Kanagasabai, E. F. Sundarsingh and M. Gulam Nabi Alsath, "A Low-Profile Paper Substrate-Based Dual-Band FSS for GSM Shielding," in *IEEE Transactions on Electromagnetic Compatibility*, vol. 58, no. 2, pp. 611-614, April 2016, doi: 10.1109/TEMC.2015.2498398.
3. S. S. Soundariya and **S. Ramprabhu**, "Design and fabrication of modified fractal antenna for UWB applications," *2016 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)*, Chennai, 2016, pp. 1260-1263, doi: 10.1109/WiSPNET.2016.7566338.
4. "Polarization-independent single-layer ultra-wideband frequency-selective surface" **Sivasamy Ramprabhu**; Moorthy, Balaji; Kanagasabai, Malathi; George, Jithila V; Lawrance, Livya; et al. *International Journal of Microwave and Wireless Technologies*; Cambridge Vol. 9, Iss. 1, (Feb 2017): 93-97. DOI:10.1017/S1759078715001439
5. **R. Sivasamy** and M. Kanagasabai, "Novel Reconfigurable 3-D Frequency Selective Surface," in *IEEE Transactions on Components, Packaging and Manufacturing Technology*, vol. 7, no. 10, pp. 1678-1682, Oct. 2017, doi: 10.1109/TCPMT.2017.2688367.
6. **R. Sivasamy**, B. Moorthy, M. Kanagasabai, V. R. Samsingh and M. G. N. Alsath, "A Wideband Frequency Tunable FSS for Electromagnetic Shielding

- Applications," in IEEE Transactions on Electromagnetic Compatibility, vol. 60, no. 1, pp. 280-283, Feb. 2018, doi: 10.1109/TEMPC.2017.2702572.
7. B. D. Mullai and **R. Sivasamy**, "Impact of vampire power and its reduction techniques — A review," 2017 International Conference on Intelligent Computing and Control Systems (ICICCS), Madurai, 2017, pp. 404-405, doi: 10.1109/ICCONS.2017.8250752.
  8. M. G. N. Alsath, **S. Ramprabhu** et al., "An Integrated Tri-Band/UWB Polarization Diversity Antenna for Vehicular Networks," in IEEE Transactions on Vehicular Technology, vol. 67, no. 7, pp. 5613-5620, July 2018, doi: 10.1109/TVT.2018.2806743.
  9. S. Kingsly, **S. Ramprabhu** et al., "Compact Frequency and Bandwidth Tunable Bandpass–Bandstop Microstrip Filter," in IEEE Microwave and Wireless Components Letters, vol. 28, no. 9, pp. 786-788, Sept. 2018, doi: 10.1109/LMWC.2018.2858005.
  10. S. S. Sampath, **R. Sivasamy** and K. J. J. Kumar, "A Novel Miniaturized Polarization Independent Band-Stop Frequency Selective Surface," in IEEE Transactions on Electromagnetic Compatibility, vol. 61, no. 5, pp. 1678-1681, Oct. 2019, doi: 10.1109/TEMPC.2018.2869664.
  11. S. S. Sampath and **R. Sivasamy**, "A Single-Layer UWB Frequency-Selective Surface With Band-Stop Response," in IEEE Transactions on Electromagnetic Compatibility, vol. 62, no. 1, pp. 276-279, Feb. 2020, doi: 10.1109/TEMPC.2018.2886285
  12. **Sivasamy, R.**, Kanagasabai, M. "A novel miniaturized frequency selective surface". International Journal RF Microwave Computer Aided Eng. 2019; 29:e21691. <https://doi.org/10.1002/mmce.21691>

13. **Sivasamy, R**, Kanagasabai, M. “Design and fabrication of flexible FSS polarizer”. International Journal RF Microwave Computer Aided Eng. 2020; 30:e22002. <https://doi.org/10.1002/mmce.22002>
14. Narayanasamy, K, Mohammed, GNA, Savarimuthu, K, **Sivasamy, R**, Kanagasabai, M. A comprehensive analysis on the state-of-the-art developments in reflectarray, transmitarray, and transmit-reflectarray antennas. International Journal RF Microwave Computer Aided Eng. 2020; 30:e22272. <https://doi.org/10.1002/mmce.22272>