

## Dr. SANGEETHA SUBBARAJ

### **Publications (2015-2020)**

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2. Kingsly, S., Kanagasabai, M., Alsath, M.G.N., **S. Subbaraj** et al. "Compact Frequency and Bandwidth Reconfigurable Microwave Filter". Wireless Pers Commun **115**, 1755–1768 (2020). <https://doi.org/10.1007/s11277-020-07652-0>.
3. **Subbaraj, S.**, Kanagasabai, M., Mohammed, G.N.A. et al. "Integrated 4G/5G Multiservice MIMO Antenna for Hand-Held Devices". Wireless Pers Commun **111**, 2023–2043 (2020). <https://doi.org/10.1007/s11277-019-06970-2>
4. Sambandam, P., **Subbaraj, S.**, Kanagasabai, M. et al. "Integration of Slot Array with MIMO Antenna for 4G and 5G Applications". Wireless Pers Commun **109**, 2719–2731 (2019). <https://doi.org/10.1007/s11277-019-06705>
5. **S. Subbaraj et al.**, "A Compact Frequency-Reconfigurable Antenna with Independent Tuning for Hand-Held Wireless Devices," in *IEEE Transactions on Antennas and Propagation*, vol. 68, no. 2, pp. 1151-1154, Feb. 2020, doi: 10.1109/TAP.2019.2938668.
6. Malathi Kanagasabai; Thipparaju Rama Rao; Sandeep Kumar Palaniswamy; Saffrine Kingsly; Mohammed Gulam Nabi Alsath; Deepa Thangarasu; Padmathilagam Sambandam; **Sangeetha Subbaraj**; Yogeshwari Panneer Selvam, "MULTIBAND RECONFIGURABLE MICROWAVE FILTENNA" in United States Patent, US 10, 333, 225 B1.
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8. Saffrine Kingsly, Sangeetha Velan, Malathi Kanagasabai, **Sangeetha Subbaraj**, Yogeshwari Panneer Selvam & Bhuvaneswari Balasubramaniyan (2019) "Signal integrity analysis on a microstrip ultra-wideband coupled-line coupler", International Journal of Electronics, 106:4, 620-633, DOI: [10.1080/00207217.2018.1545262](https://doi.org/10.1080/00207217.2018.1545262)
9. **Subbaraj, Sangeetha**; Sambandam, Padmathilagam; Kanagasabai, Malathi; Alsath, Mohammed Gulam Nabi; Palaniswamy, Sandeep Kumar; Kulandhaisamy, Indhumathi;

- Kingsly, Saffrine; Panneer Selvam, Yogeshwari; Thangarasu, Deepa: "Performance enhancement and signal integrity analysis of multiband MIMO antenna for handheld electronic devices", *IET Microwaves, Antennas & Propagation*, 2019, 13, (5), p. 631-641, DOI: 10.1049/iet-map.2018.5562
10. S. Kingsly, **S. Subbaraj** *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.
  11. **Sangeetha Subbaraj**, Malathi Kanagasabai, Mohammed Gulam Nabi Alsath, Geetha Ganesan, Yogeshwari Panneer Selvam & Saffrine Kingsly (2018) "Compact multiservice monopole antenna for tablet devices", *International Journal of Electronics*, 105:8, 1374-1387, DOI: [10.1080/00207217.2018.1440435](https://doi.org/10.1080/00207217.2018.1440435)
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  15. Y. Panneer Selvam, **S. Subbaraj** *et al.*, "A Patch-Slot Antenna Array with Compound Reconfiguration," in *IEEE Antennas and Wireless Propagation Letters*, vol. 17, no. 3, pp. 525-528, March 2018, doi: 10.1109/LAWP.2018.2801124.
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21. S. Velan, S. Kingsly, M. Kanagasabai, M. G. N. Alsath, Y. Panneer Selvam and **S. Subbaraj**, "Quad-Band Rat-Race Coupler with Suppression of Spurious Pass-Bands," in *IEEE Microwave and Wireless Components Letters*, vol. 26, no. 7, pp. 490-492, July 2016, doi: 10.1109/LMWC.2016.2575017.