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5. **Years of Experience** : 13 Years
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10. **Date of Birth** : 10-08-1988
11. **Areas of Specialization** : RF & MWE
12. **Area of Research** : **EMI/EMC**
13. **Total Papers Published** : **13**



1. C. D. Raj, D. V. Saradhi, P. H. Rao, and P. C. Sekhar, "Optimization of layer thickness to yield predetermined shielding performance of multilayer conductor electromagnetic shield," in Proc. Int. Conf. Adv. Comput. Commun. Technol., 2011, pp. 352–356..
2. Dommeti, V. S., & Cheruku, D. R. (2020). Multi-layer composites shielding for electromagnetic radiation protection. *International Journal of Advanced Intelligence Paradigms*, 17(1-2), 139-158. (**Free Scopus**).
3. Saradhi, D. V., & Swetha, K. (2021). Shielding performance analysis of flexible multi-layered textile sheets based on polymer substrate. *Materials Today: Proceedings*. (**Free Scopus**).
4. Raj, C. D., Rao, P. H., & Saradhi, D. V. (2011, February). Development of a multilayer conductor electromagnetic shield for optimum shielding performance. In *Proceedings of the International Conference & Workshop on Emerging Trends in Technology* (pp. 1153-1156). (**Scopus Indexing & ACM Digital Library**).
5. Swetha, K., Jayasree, P. V. Y., & Saradhi, V. (2021). Orthogonal mode dual band

- MIMO antenna system for 5G Smartphone applications using characteristic mode analysis. *Circuit World* Vol. 47 No. 3, pp. 284-289. **(Free SCI & Scopus Indexing)**.
6. Dommeti, V. S., & Cheruku, D. R. (2017). Research Article Light Weight Metallic Coating over Carbon Nano Tubes Polymer Composite Shielding for Electromagnetic Radiation *Asian Journal of Scientific Research* Year 2017, Vol: 10, Issue:4, PP No:259-270 **(Scopus Indexing)**.
  7. SWETHA, K., & SARADHI, D. V. (2015). High Performance Homocentric Feed Rectangular Microstrip Patch Antenna Using Left-Handed Metamaterial Cover. ISSN 2319-8885 Vol.04, Issue.35, September-2015, Pages:7749-7754. **(UGC Approved)**
  8. Raj, C. D., Rao, P. H., & Saradhi, D. V. (2010). Some Investigations on Shielding Effectiveness of Multilayered Conductor Electromagnetic Shield, NACT-2010.
  9. Mehaboob Mujawar , D.Vijaya Saradhi et.al “Performance Analysis of Dipole and Bow-Tie Antenna for Underwater Communication Using FEKO” in the 2021 IEEE Sponsored International Conference on Emerging Trends in Industry 4.0 (ETI 4.0) held at OP Jindal University, Raigarh, Chhattisgarh, India during 19 - 21, May 2021. **(Scopus Indexing)**
  10. Mehaboob Mujawar , D.Vijaya Saradhi et.al “THz Microstrip Antenna Array Design for Cancer Detection Through THz Spectroscopy” in the 2021 at international conference on Signal processing and & Communication Engineering system. **(Scopus Indexing)**
  11. Dommeti, V., & Selent, D. (2017, April). Applying and Exploring Bayesian Hypothesis Testing for Large Scale Experimentation in Online Tutoring Systems. In *Proceedings of the Fourth (2017) ACM Conference on Learning@ Scale* (pp. 229-232). **(Scopus Indexing & ACM Digital Library)**.
  12. Saradhi, D.V., Cheruku, D.R. Light weight multi layered coated CNT polymer shielding for E.M radiation *Journal of Advanced Research in Dynamical and Control Systems* this link is disabled, 2018, 10(2 Special Issue), pp. 872–880 **(Free Scopus)**.
  13. Dommetti, V. S., & Cheruku, D. R. (2017). Review and Analysis of Contemporary Polymer Coats based Electromagnetic Shielding Strategies. *Indian Journal of Science and Technology*, Vol 10(18) 10(18). **(Web of Science)**.

### **Books Published: 01**

1. Development of Laminated Electromagnetic Shield with ISBN no-978-3-8484-9588- 7.  
**Publishing house:** LAP LAMBERT Academic Publishing.

### **As a Reviewer Committee Member:**

1. International Journal of Pervasive Computing and Communications **Emerald Publisher.**
2. International Journal of Intelligent Unmanned Systems **Emerald Publisher.**
3. *International Journal of Ultra Wideband Communications and Systems.* **Inderscience Publishers.**
4. Int. J. of Systems, Control and Communications **Inderscience Publishers.**
5. As a session chair on Family of Antennas and Radar Systems during our 1st International Conference on Advances in Communications, Computing and Embedded Systems (ACCES-2020), 18th & 19th September 2020 at GRIET.

### **Conferences & FDP Organized:**

1. Organized a International Conference entitled with “ICETPM-2019” in MPES.
2. Organized two-week Online Faculty Development Programme on “Wireless Communication Technologies for IoT” jointly organised by Electronics and ICT Academies held from 27 July to 07 Aug, 2020 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of INDIA.

### **Patents:**

- 1) Patent filed with the title of “A Cryptosystem for Data Transfer through Smart Self Map” with the reference number 202121021666.