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**Area of Expertise:** ANTEENA

**Area of Research:** ARRAY ANTENNA, BODY/WEARABLE ANTENNA,  
TRANSPARENT ANTENNA, ANTENNA ON  
DISPLAY, 5G WIRELESS COMMUNICATION

### Publication

- [1] B. C. Sahoo, S. R. Mishra, D. Dash, and K. D. Sa, "Design and Validation of an Antenna Array for Cloud Radio Access Network Applications," in 2020 IEEE International Conference for Convergence in Engineering, ICCE 2020 - Proceedings, 2020, pp. 295–299. doi:10.1109/ICCE50343.2020.9290665.
- [2] S. R. Mishra, B. C. Sahoo, and S. K L, "High Selectivity and Sharp roll-off Filtenna Array for Ku-band Application," Int. J. Electron., vol. 00, no. 00, pp. 1–26, 2021, doi: 10.1080/00207217.2021.1941290.
- [3] A. Kumar, G. Singh, and B. Chandra Sahoo, "Metamaterial Inspired Pin Wheel Fractal

Shaped Antenna using parasitic split ring resonator for Modern Wireless Applications,” AEU - Int. J. Electron. Commun., vol. 139, no. August, p. 153931, 2021, doi: 10.1016/j.aeue.2021.153931.

[4] A. Kumar, B. C. Sahoo, G. Singh, and A. P. Singh, “Design of Micro-Machined Frequency Reconfigurable Cascaded Sierpinski Gasket Fractal Antenna using RF-MEMS Switches,” in IMArc, 2022, pp. 1–4. doi: 10.1109/imarc49196.2021.9714624.

[5] Soumya Ranjan Mishra, B. C. Sahoo and K. L. Sheeja, “2022\_A 1×2 Filtenna Array for Ku-band Applications.pdf,” in IEEE INDIAN CONFERENCE ON ANTENNAS AND PROPAGATION (INCAP), 2021, pp. 64–67. doi: 10.1109/InCAP52216.2021.9726380

[6] P. Rani, B. C. Sahoo, G. Singh, A. Kumar, and A. P. Singh, “On the Design of Slotted Linear Patch Antenna Array for Wireless Communication,” in InCAP, 2021, pp. 48–51. doi: 10.1109/InCAP52216.2021.9726396

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