

List of Publications

Web of Science & Scopus Indexed Journals

1. D. Kumar and K. Chaudhary, "Design of an improved differentially fed antenna array for RF energy harvesting," *IETE Journal of Research*, DOI:10.1080/03772063.2018.1488628 (in publication)
2. D. Kumar and K. Chaudhary, "Satellite solar wireless power transfer for baseload ground supply: clean energy for the future," *European Journal of Futures Research*, <https://doi.org/10.1186/s40309-018-0139-7> (in publication)
3. D. Kumar and K. Chaudhary, "Design of Differential Source Fed Circularly Polarized Rectenna with Embedded Slots for Harmonics Suppression," *Progress In Electromagnetics Research C*, Vol. 84, 175-187, 2018.
4. D. Kumar and K. Chaudhary, "Cost Minimization Strategy for Satellite Solar Power Station", *International Journal of Renewable Energy Research*, vol. 8, no. 1, pp. 488–94, 2018, <http://www.ijrer.org>
5. D. Kumar and K. Chaudhary, "High Efficiency Harmonic Harvester Rectenna for Energy Storage Application," *International Journal of Power Electronics and Drive System (IJPEDS)*, vol. 9, no. 1, pp. 252–259, 2018, doi:10.11591/ijpeds.v9n1.pp252-259.

Scopus indexed Book chapters

1. D. Kumar and K. Chaudhary, "Design of 5.8 GHz rectenna for space based solar power", *Advances in Electronics, Communication and Computing, Lecture Notes in Electrical Engineering*, Springer
2. D. Kumar and K. Chaudhary, "5.8 GHz antenna array design for satellite solar power station", *Advances in Smart Grid, Renewable Energy and Management, Lecture Notes in Electrical Engineering*, Springer
3. D. Kumar and K. Chaudhary, "Design study for a 5 GW base load power drawn from satellite solar power station", *Advances in Power Systems and Energy Management, Lecture Notes in Electrical Engineering*, Springer

Scopus Indexed International Conferences

1. D. Kumar and K. Chaudhary, "High-efficiency rectenna design for satellite solar power station," 2016 IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON), Varanasi, 2016, pp. 546-550. doi: 10.1109/UPCON.2016.7894713
2. D. Kumar and K. Chaudhary, "Analysis of satellite solar power station as base load power plant," 2016 IEEE Uttar Pradesh Section International Conference on

Electrical, Computer and Electronics Engineering (UPCON), Varanasi, 2016, pp. 551-556. doi: 10.1109/UPCON.2016.7894714