

## LIST OF PUBLICATIONS

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### Paper in International Journals:

1. **A.K. Vishwakarma**, R. Prasad, “Bistatic specular scattering measurements for the estimation of rice crop growth variables using fuzzy inference system at X-, C-, and L-bands,” *Geocarto International*, 2019, <https://doi.org/10.1080/10106049.2019.1576777>.
2. **A.K. Vishwakarma**, R. Prasad, D.K. Gupta, P. Kumar, V.N. Mishra, “Ground based bistatic scatterometer measurement for the estimation of growth variables of ladyfinger crop at X-band,” *Journal of the Indian Society of Remote Sensing*, 2018, v. 46, n. 6, pp. 973-980.
3. **A.K. Vishwakarma**, R. Prasad, V.P. Yadav and S.A. Yadav, “Study of bistatic scattering response of wheat crop for the estimation of crop growth parameters using a fuzzy inference system at X-, C-, and L-bands for co-polarizations,” *Geocarto international (Communicated)*.
4. **A.K. Vishwakarma**, R. Prasad, V.P. Yadav and S.A. Yadav, “Estimating the soil moisture content via scattering measurements along the specular direction at L-band using neuro-fuzzy inference system,” *Advances in Space Research (Communicated)*

### **Paper Presented in Conferences/Seminars/Symposia:**

1. **A.K. Vishwakarma**, R. Prasad, V.P. Yadav and S.A. Yadav, “Bistatic scatterometer measurements for soil moisture estimation using grid partition based neuro-fuzzy inference system at L-band,” 6th Annual International Conference on Recent Perspectives on Climate Change and Sustainable Development (RPCSD-2019), Suresh Gyan Vihar University, Jaipur, Rajasthan, during November 8-10, 2019.
2. **A.K. Vishwakarma**, R. Prasad, V.P. Yadav and S.A. Yadav, “ Multi-temporal and multi-angular bistatic specular scattering measurement of corn crop field using scatterometer at multi-frequency (L, C, and X bands) and co-polarizations (HH and VV) ,” *URSI AP-RASC 2019*, New Delhi, India, 09 - 15 March 2019. DOI: 10.23919/URSIAP-RASC.2019.8738652.
3. **A.K. Vishwakarma**, R. Prasad, D.K. Gupta, P. Kumar, V.N. Mishra, “ Ground based bistatic scatterometer measurement of rice crop at C-band in the specular direction,” Proceedings of the Microwave and Photonics (ICMAP 2018), 3rd International Conference organised by Department of Electronics, IIT(ISM), Dhanbad. *IEEE xplore digital library*, DOI: 10.1109/ICMAP.2018.8354491.
4. **A.K. Vishwakarma**, R. Prasad, “Study of bistatic scattering mechanism of rice crop using bistatic scatterometer at C-band,” National Conference on Current Trends in Physics-II (23-24 September, 2017), BHU, Varanasi.
5. **A.K. Vishwakarma**, R. Prasad, D.K. Gupta, P. Kumar, V.N. Mishra, “Ground based bistatic scatterometer measurement of ladyfinger crop at X-band,” in the National Symposium on Recent Advances in Remote Sensing and GIS with Special Emphasis on Mountain Ecosystems & Annual Conventions of Indian Society of Remote Sensing & Indian Society of Geomatics held during December 7 - 9, 2016 at Dehradun, India.