

LIST OF PUBLICATIONS

International Journals:

- 1. Vijay Pratap Yadav, Rajendra Prasad, Ruchi Bala, Prashant K. Srivastava (2021),** “Assessment of red-edge vegetation descriptors in a modified water cloud model for forward modelling using Sentinel – 1A and Sentinel – 2 satellite data,” *International Journal of Remote Sensing*, 42:3, 794-804, DOI: 10.1080/2150704X.2020.1823035.
- 2. Vijay Pratap Yadav, Rajendra Prasad, Ruchi Bala and Prashant K. Srivastava (2020),** "Synergy of Vegetation and Soil Microwave Scattering Model for Leaf Area Index Retrieval Using C - Band Sentinel - 1A Satellite Data," *IEEE Geoscience and Remote Sensing Letters*, DOI: 10.1109/LGRS.2020.3034420.
- 3. Vijay Pratap Yadav, Rajendra Prasad, Ruchi Bala, A.K. Vishwakarma (2020),** “An improved inversion algorithm for spatio-temporal retrieval of soil moisture through modified water cloud model using C - band Sentinel - 1A SAR data,” *Computers and Electronics in Agriculture*, Volume 173,105447, <https://doi.org/10.1016/j.compag.2020.105447>.
- 4. Vijay Pratap Yadav, Rajendra Prasad, Ruchi Bala (2019),** “Leaf area index estimation of wheat crop using modified water cloud model from the time-series SAR and optical satellite data,” *Geocarto International*, DOI: 10.1080/10106049.2019.1624984.
- 5. Vijay Pratap Yadav, Rajendra Prasad, Ruchi Bala (2020),** “Appraisal of dual polarimetric radar vegetation index in first order microwave scattering algorithm using Sentinel - 1A (C - band) and ALOS - 2 (L - band) SAR data,” *ISPRS Journal of Photogrammetry and Remote Sensing*, (To be communicated).

Conference papers:

- 1. Vijay Pratap Yadav**, Rajendra Prasad, Ruchi Bala, A. k. Vishwakarma (2019), "Estimation of soil moisture through water cloud model using sentinel - 1A SAR data," *IEEE xplore digital library*, pp. 6961-6964, DOI: 10.1109/IGARSS.2019.8900203.
- 2. Vijay Pratap Yadav**, Rajendra Prasad, Ruchi Bala, A. k. Vishwakarma, S.A. Yadav, S.K. Singh, (2019), "A comparison of machine - learning regression algorithms for the estimation of LAI Using Landsat - 8 Satellite Data", *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 42(4/W16).
- 3. Vijay Pratap Yadav**, Rajendra Prasad, Ruchi Bala, A. k. Vishwakarma, S.A. Yadav (2018) "Estimation of biophysical parameters of wheat crop through modified water cloud model using satellite data". *ISPRS Ann. Photogramm. Remote. Sens. Spat. Inf. Sci.*, IV-5, 239–244.
- 4. Vijay Pratap Yadav**, Rajendra Prasad, Ruchi Bala, A. k. Vishwakarma (2019), "An improved multi - index model for estimation of surface soil moisture using Landsat - 8 satellite data," *IEEE xplore digital library*, pp. 1-3, DOI: 10.23919/URSIAP-RASC.2019.8738399.

Paper Presented in Conferences/Seminars/Symposia:

1. 39th IEEE International Geoscience and Remote Sensing Symposium (IGARSS -2019), July 28 – August 2, 2019, **Yokohama, Japan.**
2. 6th International conference Geomatics & Geospatial Technology (GGT - 2019), 1 -3 October 2019, **Kuala Lumpur, Malaysia.**
3. 2019 International Union of Radio Science (URSI) Asia-Pacific Radio Science Conference (AP-RASC), March 09 -15, 2019, **India Habitat Centre, New Delhi, India.**
4. International Society for Photogrammetry and Remote Sensing (ISPRS) Technical Commission - V Symposium, November 20 - 23, 2018, **IIRS (ISRO), Dehradun, India.**
5. 2nd IEEE International conference on Engineering Science & Advance Research (ESAR), 23 – 24 February, 2018, **Rama University, Kanpur, India.**
6. International Tropical Meteorology Symposium (INTROMET - 2017), 07 – 10 November, 2017, **SAC (ISRO), Ahmedabad, India.**
7. 2020 URSI Regional Conference on Radio Science (URSI-RCRS 2020), 12-14 February, 2020, **IIT (BHU) Varanasi, India.**

Training / Workshop:

1. NASA Applied Remote Sensing Training (ARSET) program during July 12 to October 05, 2018 (Online).
2. Six months Training and Research in Earth Eco-System using satellite data from May 26 to November 30, 2017 at Space Applications Centre (ISRO), Ahmedabad.
3. Training Course on SAR & Hyper-spectral Data Analysis for Forest Applications conducted by SAC (ISRO), Ahmedabad.