

LIST OF PUBLICATIONS

Papers in International Journals

1. **R. Bala**, R. Prasad and V. P. Yadav, “Disaggregation of modis land surface temperature in urban areas using improved thermal sharpening techniques,” *Advances in Space Research*, 2019, v. 64, n. 3, pp. 591-602.
2. **R. Bala**, R. Prasad and V. P. Yadav, “Thermal sharpening of MODIS land surface temperature using statistical downscaling technique in urban areas,” *Theoretical And Applied Climatology*, 2020, v. 141, pp. 935-946.
3. **R. Bala**, R. Prasad and V. P. Yadav, “A comparative analysis of day and night land surface temperature in two semi-arid cities using satellite images sampled in different seasons,” *Advances in Space Research*, 2020, v. 66, n. 2, pp. 412-425.
4. **R. Bala**, R. Prasad and V. P. Yadav, “Quantification of Urban Heat Intensity with Land Use/Land Cover Changes using Landsat Satellite Data over Urban Landscapes,” *Theoretical and applied climatology*. (Under Review).
5. **R. Bala**, R. Prasad and V. P. Yadav, “Assessment of seasonal and long term quantification of Surface Urban Heat Island Intensity (SUHI): A case study of Varanasi city, India,” *Sustainable cities and society*. (Under Revision)

Papers Presented in Conferences/Seminars/Symposia:

1. **R. Bala**, R. Prasad, V. P. Yadav and J. Sharma, “A Comparative Study of Land Surface Temperature with Different Indices on Heterogeneous Land Cover using Landsat 8 Data,” ISPRS TC V Mid term symposium held at IIRS, Dehradun on 20 - 23 November, 2018. Full paper published in *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, XLII-5, pp. 389-394.
2. **R. Bala**, R. Prasad and V. P. Yadav, “Evaluation Of Day And Night Land Surface Temperature With Impervious Surface Using Modis Satellite Data,” URSI AP-RASC 2019 in New Delhi on 09 to 15 March 2019. Abstract published in *IEEE xplore Digital Library*. DOI:10.23919/URSIAP-RASC.2019.8738689
3. **R. Bala**, R. Prasad, V. P. Yadav and J. Sharma, “Spatial Variation Of Urban Heat Island Intensity In Urban Cities Using Modis Satellite Data.” 6th International Conference on GGT 2019 on 1-3 October 2019 at Kuala Lumpur, Malaysia. Full paper published in *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, XLII-4, W16-147.
4. **R. Bala**, R. Prasad and V. P. Yadav, “Seasonal Variation of Day and Night Land Surface Temperature with Normalized Difference Vegetation Index using MODIS Satellite Imagery,” 2020 URSI Regional Conference on Radio Science (URSI-RCRS) held on 22-23 February, 2020. Full paper published in *IEEE xplore Digital Library*. DOI: 10.23919/URSIRCRS49211.2020.9113425.