

## Publication list

- [1] I. Kaur, P. Eriksson, V. Barlakas, S. Pfreunds Schuh, and S. Fox. “Fast radiative transfer approximating ice hydrometeor orientation and its implication on IWP retrievals”. In: *Remote sensing* 14.7 (2022), p. 1594.
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- [3] I. Kaur, I. Hüser, T. Zhang, B. Gehrke, and J. W. Kaiser. “Correcting Swath-Dependent Bias of MODIS FRP Observations With Quantile Mapping”. In: *Remote Sensing* 11.10 (2019), p. 1205.
- [4] A. Trucchia, V. Egorova, A. Butenko, I. Kaur, and G. Pagnini. “RandomFront 2.3: a physical parameterisation of fire spotting for operational fire spread models—implementation in WRF-SFIRE and response analysis with LSFIRE+”. In: *Geoscientific Model Development* 12.1 (2019), pp. 69–87.
- [5] I. Kaur, A. Mentrelli, F. Bosseur, J.-B. Filippi, and G. Pagnini. “Turbulence and fire-spotting effects into wild-land fire simulators”. In: *Communications in Nonlinear Science and Numerical Simulation* 39 (2016), pp. 300–320.
- [6] S. Deb, I. Kaur, C. Kishtawal, and P. Pal. “A comparative assessment of Kalpana-1 and MISR cloud tracked winds over the Indian Ocean region”. In: *Theoretical and Applied Climatology* 121 (2015), pp. 425–443.
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- [10] I. Kaur, S. Deb, C. Kishtawal, and P. Pal. “Quality assessment of atmospheric motion vectors over the Indian Ocean”. In: *Pure and Applied Geophysics* 171 (2014), pp. 2485–2499.
- [11] I. Kaur, S. Deb, C. Kishtawal, P. Pal, and R. Kumar. “Low level cloud motion vectors from Kalpana-1 visible images”. In: *Journal of Earth System Science* 122 (2013), pp. 935–946.
- [12] I. Kaur, C. M. Kishtawal, S. K. Deb, and R. Kumar. “Temporal Scales of Satellite-Derived Atmospheric Winds Over the Asian Monsoon Region”. In: *IEEE Geoscience and Remote Sensing Letters* 9.2 (2011), pp. 317–320.
- [13] S. Deb, C. Kishtawal, I. Kaur, P. Pal, and A. Kirankumar. “Multiplet based technique to derive atmospheric winds from Kalpana-1”. In: *Proceedings of the 11th international winds workshop, Auckland*. 2012, pp. 20–24.
- [14] S. Deb, C. Kishtawal, I. Kaur, P. Pal, and A. Kiran Kumar. “Assessment of a new quality control technique in the retrieval of atmospheric motion vectors”. In: *Meteorological Applications* 22.2 (2015), pp. 178–186.
- [15] S. Deb, S. Wanzong, C. Velden, I. Kaur, C. Kishtawal, P. Pal, and W. Menzel. “Height assignment improvement in Kalpana-1 atmospheric motion vectors”. In: *Journal of the Indian Society of Remote Sensing* 42 (2014), pp. 679–687.