

Utpal Kumar

List of Publications

1. Seela, B. K., Reddy, K. K., Janapati, J., Rao, T. N., Lin, P.-L., Liu, C.-Y., & *Kumar, U.*, (2016), Precipitation and cloud microstructure variations between two Southern Indian stations, *Proc. of SPIE Vol. 9876*, 98761O.
<http://dx.doi.org/10.1117/12.2218458>.
2. *Kumar, U.*, Chao, B.F., Hsieh, Y., and Chang, E. T.-Y., (2017), A meteor shockwave event recorded at seismic and infrasound stations in northern Taiwan, *Geosci. Lett.* 4: 13. <https://doi.org/10.1186/s40562-017-0079-2> [Chapter 3]
3. Janapati, J., Seela B. K., Lin, P.-L., Wang, P. K., & *Kumar, U.*, (2019), An assessment of tropical cyclones rainfall erosivity for Taiwan, *Sci Rep* 9, 15862
<https://doi.org/10.1038/s41598-019-52028-5>
4. Legendre, C. P., *Kumar, U.*, Huang B-S., (2020), Crustal structure and upper mantle anisotropy of the Afar triple junction, *Earthquake Science* [Chapter 5] (In Press)
5. *Kumar, U.*, and Chao, B. F., (2019), Crustal Motion of Active Plate Convergence in Eastern Taiwan, 2007-2018: Agglomerative Clustering based on Dynamic Time Warping, *Earth and Space Science Open Archive*, 1, doi: 10.1002/essoar.10501536.1.
6. *Kumar, U.*, Chao, B. F., & Chang, E. T. Y. (2020). What causes the common-mode error in array GPS displacement fields: Case study for Taiwan in relation to atmospheric mass loading. *Earth and Space Science*, 7, e2020EA001159.
<https://doi.org/10.1029/2020EA001159> [Chapter 6]
7. Xu C., *Kumar, U.*, (2020), Coherent co- and postseismic deformation associated with the 2016 Meinong earthquake (Mw 6.4), *Seismological Research Letters* (Under review)

8. Seela, B. K., Janapati, J., Unnikrishnan. C. K., Loh, J. L., Chang, W-Y, *Kumar, U.*, Reddy, K. K., Lee, D-I, Reddy, M. V., **(2020)**, Raindrop size distribution characteristics of North Indian Ocean tropical cyclones and their implications for rainfall rate and rainfall kinetic energy retrievals, Journal of Hydrology (Under review)