

Publication List of Dr. T V Lakshmi Kumar, Assistant Professor (O.G), Atmospheric Science Research Laboratory, SRM University, Kattankulathur, India:

1. Thakur, M.K., **Lakshmi Kumar T. V**, Koteswara Rao, K. Humberto Barbosa and V.B. Rao (2019). 'A new perspective in understanding rainfall from satellites over a complex topographic region of India.' **Scientific Reports**, 9,15610
2. **Lakshmi Kumar T.V.**, Humberto, B., Madhu, S., Koteswara Rao, K. 'Studies on Crop Yields and Their Extreme Value Analysis over India.' **Sustainability**, 11, 4657, (2019).
3. Sonkar, G., Mall, R.K., Banerjee, T., Singh, N., , R. Chand, **Lakshmi Kumar T. V.**, Chand, R. (2019) 'Vulnerability of Indian wheat against rising temperature and aerosols.' **Environmental Pollution**,
4. Kiran, R. V., Ratnam, V.M., Murthy, B.V. K., Kant, Y., Prasad, P., Roja, M., Rao, B.S.V., **Lakshmi Kumar T. V** and Maitra, A. (2019) 'An empirical method for source apportionment of black carbon aerosol: Results from Aethalometer observations at five different locations in India'. **Environmental Pollution**, 254,
5. Purnadurga, G., **Lakshmi Kumar T.V.** Koteswara, Rao. K, Barbosa, H. & Mall, R. K. (2019) 'Evaluation of evapotranspiration estimates from observed and reanalysis data sets over India region.' **International Journal of Climatology**, 39(15), 5791-5800.
6. Humberto A. B., T. **Lakshmi Kumar T.V**, Franklin P., Simon, E., Ayugae, J.G. (2019) 'Assessment of Caatinga response to drought using Meteosat-SEVIRI Normalized Difference Vegetation Index (2008–2016)'. **ISPRS Journal of Photogrammetry and Remote Sensing**
7. Humberto Alves Barbosa, T. **Lakshmi Kumar**, Franklin Paredes, Simon Elliot, J.G. Ayuga (2018) Assessment of Caatinga response to drought using Meteosat-SEVIRI Normalized Difference Vegetation Index(2008–2016), **ISPRS Journal of Photogrammetry and Remote Sensing**
8. M. Ashok Williams, T.V. **Lakshmi Kumar** and D. Narayana Rao (2018) Characterizing black carbon aerosols in relation to atmospheric boundary layer height during wet removal processes over a semi urban location, **Journal of Atmospheric and Solar Terrestrial Physics**
9. Manoj Kumar Thakur, T.V. **Lakshmi Kumar**, Sanjeev Dwivedi and M.S. Narayanan (2018) On the rainfall asymmetry and distribution in tropical cyclones over Bay of Bengal using TMPA and GPM rainfall products, **Natural Hazards**
10. Sanjeev Dwivedi, R. Uma, T.V. **Lakshmi Kumar**, M.S. Narayanan, Samir Pokhrel and R.H. Kripalani (2018) New spatial and temporal indices of Indian Summer Monsoon Rainfall, **Theoretical and Applied Climatology**, DOI : doi.org/10.1007/s00704-018-2428-2
11. Purnadurga, G., **Lakshmi Kumar, TV.**, Koteswara Rao, K., Rajasekhar, M and Narayanan, .M.S (2017) Investigation of temperature changes over India in association with meteorological parameters in a warming climate, **International Journal of Climatology**
12. Franklin, Peredes., Barbosa, H and **Lakshmi Kumar, TV** (2017) Validating CHIRPS – based satellite precipitation estimates in Northeast Brazil, **Journal of Arid Environments**, 139, 26-40.
13. **Lakshmi Kumar, TV.**, Koteswara Rao, K, Uma, R., Barbosa, H and Patnaik, KVKRK (2016) On the relation of vegetation to the southwest monsoon rainfall over Western Ghats, India, **Natural Hazards**
14. **Lakshmi Kumar, TV.**, Uma, R., Koteswara Rao, K., Humberto Barbosa., Patnaik (2016) Variability in MODIS NDVI and its relationship with southwest monsoon rainfall over Western Ghats, India. "**Journal of Environmental Informatics**"

15. Aruna, K., **Lakshmi Kumar, T.V.**, Narayana Rao, D., Krishna Murthy, BV and Suresh Babu, S (2015) Estimation of radiative forcing and comparison with measured solar fluxes over Chennai, **Atmospheric Environment**
16. Humberto Barbosa and **Lakshmi Kumar, TV.**, (2015) Influence of rainfall variability on the vegetation dynamics over Northeastern Brazil , **Journal of Arid Environments**
17. Uma, R., **Lakshmi Kumar, TV** and Narayanan, M.S (2015) Understanding convection features using SST and other atmospheric variables, "**Theoretical and Applied Climatology**"
18. Humberto Barbosa., **Lakshmi Kumar, TV** and Silva, LRM (2015) Recent trends in vegetation dynamics in south America and their relationship to rainfall, **Natural Hazards**