

## PUBLICATIONS

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### Peer Reviewed Journals

1. **Chanda, K.** and Maity, R. (2017), Assessment of Trend in Global Drought Propensity in the Twenty-First Century Using Drought Management Index, *Water Resources Management*, 31: 1209. doi:10.1007/s11269-017-1571-3.
2. **Chanda, K.** and Maity, R. (2016), "Closure to "Meteorological Drought Quantification with Standardized Precipitation Anomaly Index for the Regions with Strongly Seasonal and Periodic Precipitation" by Kironmala Chanda and Rajib Maity." *J. Hydrol. Eng.*, 10.1061/(ASCE)HE.1943-5584.0001369, 07016004.
3. **Chanda, K.** and Maity, R. (2015), Uncovering Global Climate Fields Causing Local Precipitation Extremes, *Hydrological Sciences Journal*, Taylor and Francis, DOI: 10.1080/02626667.2015.1006232.
4. **Chanda, K.** and Maity, R. (2015), Meteorological Drought Quantification with Standardized Precipitation Anomaly Index (SPA) for the Regions with Strongly Seasonal and Periodic Precipitation, *Journal of Hydrologic Engineering*, ASCE, 10.1061/(ASCE)HE.1943-5584.0001236, 06015007-1 to 06015007-7.
5. Maity, R., Aggrawal, A. and **Chanda, K.** (2015), Do CMIP5 models hint at a warmer and wetter India in the twenty-first century?, *Journal of Water and Climate Change*, DOI: 10.2166/wcc.2015.126.
6. **Chanda, K.**, Maity, R., Sharma, A. and Mehrotra, R. (2014), Spatiotemporal variation of long-term drought propensity through reliability-resilience-vulnerability based Drought Management Index, *Water Resources Research*, AGU, 50(10), DOI: 10.1002/2014WR015703, 7662–7676.
7. Maity, R, Sharma, A., Nagesh Kumar D and **Chanda, K.** (2013), Characterizing drought using the reliability-resilience-vulnerability concept, *Journal of Hydrologic Engineering*, ASCE 18(7), 859–869.

### Book Chapter

8. Maity, R. and **Chanda, K.** (2015), Potential of Genetic Programming in Hydroclimatic Prediction of Droughts: An Indian Perspective, *Handbook of Genetic Programming Applications*, Springer, DOI: 10.1007/978-3-319-20883-1\_15, 381-398.
9. **Chanda, K.** and Maity, R. (2017), Global Climate Pattern Behind Hydrological Extremes in Central India, In *Climate Change Impact (ICWEES 2016)*, Springer.

## Conferences

10. Kumar, S., **Chanda, K.** and Pasupuleti, S. (2019), Gridwise Analysis of Trends in Precipitation and Temperature Indices for Climate Change Detection across India, EGU General Assembly 2019, April 7-12, 2019, Vienna, Austria, abstract accepted.
11. Kumar, S., **Chanda, K.** and Pasupuleti, S. (2018), Influence of Air Temperature on Local Precipitation Extremes across India, HYDRO 2018, Dec 19-21, 2018, NIT Patna, accepted for oral presentation.
12. **Chanda K.** and Maity R. (2016). Identification of Distinct Global Climate Patterns behind Hydrological Extremes in North-Eastern and Western India, International Conference on Sustainable Built Environment, Kandy, Sri Lanka, Dec 16-18, 2016, accepted for oral presentation.
13. **Chanda K.** and Maity R. (2015). Global Climate Pattern behind Hydrological Extremes in Central India, International Conference on Water, Environment, Energy and Society (ICWEES-2016), Bhopal, India, March 15-18, 2016, accepted for oral presentation.
14. **Chanda K.** and Maity, R. (2015), Assessment of Trend in Drought Propensity across the Globe Using GCM Projections, AGU Joint Assembly, 3-7 May 2015, Abstract ID: 34864, Final paper No. AS13B-02, Montreal, Canada, accepted for oral presentation.
15. Maity R., **Chanda K.**, Nagesh Kumar D., Sharma A. and Mehrotra R., (2014). Potential of the Reliability-Resilience-Vulnerability (RRV) based Drought Management Index (DMI), AGU Fall Meeting, December 15-19, 2014, San Francisco, USA, accepted for poster presentation.
16. **Chanda K.** and Maity R., (2013). Variation of Reliability-Resilience-Vulnerability based Drought Management Index (DMI) for Mahanadi Basin, National conference on Sustainable Water Resources Planning, Management and Impact of Climate Change, April 5-6, 2013, BITS, Pilani, Hyderabad Campus, India.
17. **Chanda K.** and Maity R., (2012). Influence of Local Hydrometeorological Variables on Basin Scale Drought Status, 5th International Congress of Environmental Research (ICER), Nov, 22-24, 2012, Universiti Malaysia Terengganu (UMT), Terengganu, Malaysia.
18. Maity R. and **Chanda K.**, (2012). Spatio-temporal Analysis of Drought Predictability across India, 5th International Congress of Environmental Research (ICER), Nov, 22-24, 2012, Universiti Malaysia Terengganu (UMT), Terengganu, Malaysia.
19. Maity R. and **Chanda K.**, (2011). Probabilistic Prediction of Streamflow using the information of Outgoing Longwave Radiation through Plackett Copula, International Conference on Sustainable Water Resources Management and Climate Change Adaptation, Feb 17-19, 2011, National Institute of Technology, Durgapur, India.