

# BIBLIOGRAPHY

## References

- Aadhar, S., & Mishra, V. (2017). Data Descriptor: High-resolution near real-time drought monitoring in South Asia. *Scientific Data*, 4, 1–14. <https://doi.org/10.1038/sdata.2017.145>
- Abeysingha, N. S., Wickramasuriya, M. G., & Meegastenna, T. J. (2020). *Assessment of meteorological and hydrological drought ; a case study in Kirindi Oya river basin in Sri Lanka*. 10(5), 429–447.
- Agrawal, A. (2005). *A data model with pre-and-post processor for HEC-HMS*. August, 321–325.
- Ahbari, A., Stour, L., Agoumi, A., & Serhir, N. (2018). Estimation of initial values of the HMS model parameters: Application to the basin of Bin El Ouidane (Azilal, Morocco). *Journal of Materials and Environmental Science*, 9(1), 305–317. <https://doi.org/10.26872/jmes.2018.9.1.34>
- Al-Qinna, M. I., Hammouri, N. A., Obeidat, M. M., & Ahmad, F. Y. (2011). Drought analysis in Jordan under current and future climates. *Climatic Change*, 106(3), 421–440. <https://doi.org/10.1007/s10584-010-9954-y>
- Amarsaikhan, D., Battsengel, V., Nergui, B., Ganzorig, M., & Bolor, G. (2014). A Study on Air Pollution in Ulaanbaatar City, Mongolia. *Journal of Geoscience and Environment Protection*, 02(02), 123–128. <https://doi.org/10.4236/gep.2014.22017>
- Belal, A. A., El-Ramady, H. R., Mohamed, E. S., & Saleh, A. M. (2014). Drought risk assessment using remote sensing and GIS techniques. *Arabian Journal of Geosciences*, 7(1), 35–53. <https://doi.org/10.1007/s12517-012-0707-2>
- Bravar, L., & Kavvas, M. L. (1991). On the physics of droughts. II. Analysis and simulation of the interaction of atmospheric and hydrologic processes during

- droughts. *Journal of Hydrology*, 129(1–4), 299–330.  
[https://doi.org/10.1016/0022-1694\(91\)90056-N](https://doi.org/10.1016/0022-1694(91)90056-N)
- Brown, J. F., Reed, B. C., Falls, S., Hayes, M. J., Wilhite, D. A., Hall, L. W. C., Hubbard, K., & Hall, L. W. C. (2002). *A PROTOTYPE DROUGHT MONITORING SYSTEM INTEGRATING CLIMATE AND SATELLITE DATA*.
- Chandimala, J., & Zubair, L. (2007). Predictability of stream flow and rainfall based on ENSO for water resources management in Sri Lanka. *Journal of Hydrology*, 335(3–4), 303–312. <https://doi.org/10.1016/j.jhydrol.2006.11.024>
- De Châtel, F. (2014). The Role of Drought and Climate Change in the Syrian Uprising: Untangling the Triggers of the Revolution. *Middle Eastern Studies*, 50(4), 521–535. <https://doi.org/10.1080/00263206.2013.850076>
- De Silva, C. S., Weatherhead, E. K., Knox, J. W., & Rodriguez-Diaz, J. A. (2007). Predicting the impacts of climate change-A case study of paddy irrigation water requirements in Sri Lanka. *Agricultural Water Management*, 93(1–2), 19–29. <https://doi.org/10.1016/j.agwat.2007.06.003>
- De Silva, M. M. G. T., Weerakoon, S. B., & Herath, S. (2014). Modeling of Event and Continuous Flow Hydrographs with HEC–HMS: Case Study in the Kelani River Basin, Sri Lanka. *Journal of Hydrologic Engineering*, 19(4), 800–806. [https://doi.org/10.1061/\(asce\)he.1943-5584.0000846](https://doi.org/10.1061/(asce)he.1943-5584.0000846)
- Dessai, S., & Sims, C. (2010). Public perception of drought and climate change in southeast england. *Environmental Hazards*, 9(4), 340–357. <https://doi.org/10.3763/ehaz.2010.0037>
- Filho, W. L. (2015). Handbook of Climate Change Adaptation. In *Handbook of Climate Change Adaptation* (Issue January). <https://doi.org/10.1007/978-3-642-38670-1>
- Gunathilake, G. R. M. B., Panditharathne, P., Gunathilake, A. S., & Warakagoda, N. D. (2019). Application of HEC-HMS Model on Event-Based Simulations in the Seethawaka. *Scholar Journal of Applied Sciences and Research*, 2(9), 32–40.
- Hamed, A., & Fuentes, H. R. (2015). Comparative effectiveness and reliability of

- NEXRAD data to predict outlet hydrographs using the GSSHA and HEC-HMS hydrologic models. *World Environmental and Water Resources Congress 2015: Floods, Droughts, and Ecosystems - Proceedings of the 2015 World Environmental and Water Resources Congress, September 2005*, 1444–1453. <https://doi.org/10.1061/9780784479162.142>
- Hasan, M. M., & Croke, B. F. W. (2013). Filling gaps in daily rainfall data: A statistical approach. *Proceedings - 20th International Congress on Modelling and Simulation, MODSIM 2013, December*, 380–386. <https://doi.org/10.36334/modsim.2013.a9.hasan>
- Himanshu, S. K., Singh, G., & Kharola, N. (2015). Monitoring of drought using satellite data. *International Research Journal of Earth Sciences*, 3(1), 66–72.
- Ismail, wan, & Ibrahim, W. (2017). Estimation of rainfall and stream flow missing data for Terengganu, Malaysia by using interpolation technique methods. *Malaysian Journal of Fundamental and Applied Sciences*, 13(3), 213–217. <https://doi.org/10.11113/mjfas.v13n3.578>
- Jayakrishnan, R., Srinivasan, R., Santhi, C., & Arnold, J. G. (2005). Advances in the application of the SWAT model for water resources management. *Hydrological Processes*, 19(3), 749–762. <https://doi.org/10.1002/hyp.5624>
- Kashani, M. H., & Dinpashoh, Y. (2012). Evaluation of efficiency of different estimation methods for missing climatological data. *Stochastic Environmental Research and Risk Assessment*, 26(1), 59–71. <https://doi.org/10.1007/s00477-011-0536-y>
- Kottawa-Arachchi, J. D., & Wijeratne, M. A. (2017). Climate change impacts on biodiversity and ecosystems in sri lanka: A review. *Nature Conservation Research*, 2(3), 2–22. <https://doi.org/10.24189/ncr.2017.042>
- Liu, L., Hong, Y., Bednarczyk, C. N., Yong, B., Shafer, M. A., Riley, R., & Hocker, J. E. (2012). Hydro-Climatological Drought Analyses and Projections Using Meteorological and Hydrological Drought Indices: A Case Study in Blue River Basin, Oklahoma. *Water Resources Management*, 26(10), 2761–2779. <https://doi.org/10.1007/s11269-012-0044-y>

## Bibliography

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- Lyon, B., Zubair, L., Ralapanawe, V., & Yahiya, Z. (2009). Finescale evaluation of drought in a tropical setting: Case study in Sri Lanka. *Journal of Applied Meteorology and Climatology*, 48(1), 77–88. <https://doi.org/10.1175/2008JAMC1767.1>
- Malpass, A., Shaw, A., Sharp, D., Walter, F., Feder, G., Ridd, M., & Kessler, D. (2009). “Medication career” or “Moral career”? The two sides of managing antidepressants: A meta-ethnography of patients’ experience of antidepressants. *Social Science and Medicine*, 68(1), 154–168. <https://doi.org/10.1016/j.socscimed.2008.09.068>
- Marj, A. F., & Meijerink, A. M. J. (n.d.). *International Journal of Remote Agricultural drought forecasting using satellite images , climate indices and artificial neural network*. December 2014, 37–41. <https://doi.org/10.1080/01431161.2011.575896>
- McKee, T. B., Doesken, N. J., & Kleist, J. (1993). *The relationship of drought frequency and duration to time scales*. January, 17–22.
- Mishra, A. K., & Singh, V. P. (2010). A review of drought concepts. *Journal of Hydrology*, 391(1–2), 202–216. <https://doi.org/10.1016/j.jhydrol.2010.07.012>
- Murad, H., & Islam, A. K. M. S. (2011). Drought Assessment Using Remote Sensing and Gis in North-West Region of Bangladesh. *3rd International Conference on Water and Flood Management*, 861–877.
- Refsgaard, J. C., Storm, B., & Refsgaard, A. (1995). Validation and applicability of distributed hydrological models. *IAHS-AISH Publication*, 231, 387–397.
- Sepulcre-Canto, G., Horion, S., Singleton, A., Carrao, H., & Vogt, J. (2012). Development of a Combined Drought Indicator to detect agricultural drought in Europe. *Natural Hazards and Earth System Science*, 12(11), 3519–3531. <https://doi.org/10.5194/nhess-12-3519-2012>
- Sirisena, T. A. J. G., Maskey, S., Bamunawala, J., Coppola, E., & Ranasinghe, R. (2021). Projected streamflow and sediment supply under changing climate to the coast of the kalu river basin in tropical sri lanka over the 21st century. *Water*

- (Switzerland), 13(21). <https://doi.org/10.3390/w13213031>
- Subramanya, K. (2013). *Engineering Hydrology By K Subramanya*.
- Tabari, H., Nikbakht, J., & Hosseinzadeh Talaee, P. (2013). Hydrological Drought Assessment in Northwestern Iran Based on Streamflow Drought Index (SDI). *Water Resources Management*, 27(1), 137–151. <https://doi.org/10.1007/s11269-012-0173-3>
- Taufik, A., Syed Ahmad, S. S., & Azmi, E. F. (2019). Classification of landsat 8 satellite data using unsupervised methods. *Lecture Notes in Networks and Systems*, 67(January), 275–284. [https://doi.org/10.1007/978-981-13-6031-2\\_46](https://doi.org/10.1007/978-981-13-6031-2_46)
- Tucker, C. J., & Choudhury, B. J. (1987). Satellite remote sensing of drought conditions. *Remote Sensing of Environment*, 23(2), 243–251. [https://doi.org/10.1016/0034-4257\(87\)90040-X](https://doi.org/10.1016/0034-4257(87)90040-X)
- Tucker, C. J., Pinzon, J. E., Brown, M. E., Slayback, D. A., Pak, E. W., Mahoney, R., Vermote, E. F., & El Saleous, N. (2005). An extended AVHRR 8-km NDVI dataset compatible with MODIS and SPOT vegetation NDVI data. *International Journal of Remote Sensing*, 26(20), 4485–4498. <https://doi.org/10.1080/01431160500168686>
- US Army Corps of Engineers. (2018). Hydrologic Modeling System HEC-HMS, Hydrologic Modeling System HEC-HMS, User's Manual. Version 4.3. Hydrologic Engineering Centre. *Hydrologic Engineering Centre*, (Version 4.3), 640.
- USDA-NRCS. (2010). *National Engineering Handbook Chapter 15, Time of Concentration*. 1–15.
- Wang, G. (2005). Agricultural drought in a future climate : results from 15 global climate models participating in the IPCC 4th assessment. 739–753. <https://doi.org/10.1007/s00382-005-0057-9>
- Wijesekera, N. T. S., & Perera, L. R. H. (2012). Key Issues of Data and Data Checking for Hydrological Analyses - Case Study of Rainfall Data in the Attanagalu Oya Basin of Sri Lanka. *Engineer: Journal of the Institution of Engineers, Sri Lanka*,

## Bibliography

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- 45(2), 1. <https://doi.org/10.4038/engineer.v45i2.6936>
- Wilhite, D. A. (2021). Drought As a Natural Hazard. *Droughts*, 33–33. <https://doi.org/10.4324/9781315830896-24>
- Wipulanusat, W., Nakrod, S., & Prabnarong, P. (2009). Multi-hazard Risk Assessment Using GIS and RS Applications : A Case Study of Pak Phanang Basin. *Walailak Journal of Science and Technology*, 6(1), 109–125. <https://doi.org/10.2004/wjst.v6i1.76>
- Wu, H., Hayes, M. J., Weiss, A., & Hu, Q. (2001). An evolution of the standardized precipitation index, the China-Z index and the statistical Z-score. *International Journal of Climatology*, 21(6), 745–758. <https://doi.org/10.1002/joc.658>
- Wu, Z., Lin, Q., Lu, G., He, H., & Qu, J. J. (2015). Analysis of hydrological drought frequency for the Xijiang River Basin in South China using observed streamflow data. *Natural Hazards*, 77(3), 1655–1677. <https://doi.org/10.1007/s11069-015-1668-z>
- Xing, Z., Ma, M., Su, Z., Lv, J., Yi, P., & Song, W. (2020). A review of the adaptability of hydrological models for drought forecasting. *Proceedings of the International Association of Hydrological Sciences*, 383, 261–266. <https://doi.org/10.5194/piahs-383-261-2020>
- Zubair, L., Ralapanawe, V., Yahiya, Z., Perera, R., Tennakoon, U., Chandimala, J., Razick, S., & Lyon, B. (2005). *Fine Scale Natural Hazard Risk and Vulnerability Identification Informed by Climate in Sri Lanka, Project Report*. 20. <http://iri.columbia.edu/publications/id=985>
- Zubair, Lareef, Rao, S. A., & Yamagata, T. (2003). Modulation of Sri Lankan Maha rainfall by the Indian Ocean Dipole. *Geophysical Research Letters*, 30(2), 2–5. <https://doi.org/10.1029/2002GL015639>