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BOOKS, CHAPTERS IN BOOKS, EXPOSITORY AND REVIEW ARTICLES

1. **Vimal Mishra*** (2013), Food Security Implications of Climate Variability and Climate Change. *Climate Vulnerability: Understanding and Addressing Threats to Essential Resources*. Elsevier Inc., Academic Press, 117-128pp. ISBN: 9780123847034 [**was awarded \$250 for the excellent chapter**]
2. Niyogi D., V. **Mishra** (2011), Climate - Agriculture Vulnerability Assessment for the Midwestern United States, in *Vulnerability of Midwestern United States to Climate Change*, Ed. S. Pryor, Indiana University Press
3. Cullmann, J., Schmitz, G. H., **Mishra, V.** (2005), A new strategy for flood forecasting in rapidly responding catchments – modeling aspects (in German) , 39-49, Bundesanstalt für Gewässerkunde, Kobelenz, Germany.

PAPERS IN REFEREED JOURNALS

In Review

1. Shah R., **Vimal Mishra** (2015), Utility of Global Ensemble Forecast System (GEFS) reforecast for short-term drought prediction in India (Journal of Hydrometeorology, revision submitted)
2. Shah, H., Vimal Mishra (2015), Hydrologic Changes in the Indian sub-continental River basins (1901-2012) (Journal of Hydrometeorology)
3. Dholakia, H., V. Mishra, and A. Garg (2015). Predicted increase in heat wave related mortality in urban India under climate change. (PLOS-One)

Published

1. **Mishra, V.**, R. Lihare (2016). Hydrologic sensitivity of Indian sub-continental river basins to climate change (Global and Planetary Change) [**IF 2.77**]
2. Mallya G., **V. Mishra et al.** (2016). Trends and variability of droughts over the Indian Monsoon Region (Weather and Climate Extremes)
3. Shah, H., **Vimal Mishra** (2015). Uncertainty and Bias in Satellite Precipitation Estimates over the Indian Sub-continental River basins: implications for streamflow simulation and Flood Prediction (Journal of Hydrometeorology) [**IF 3.57**]
4. **Mishra, V.**, A., Ganguly, B. Nijssen, and D. P. Lettenmaier (2015). Changes in observed climatic extremes in Global Urban Areas. (Environmental Research letters) [**IF: 4.09**].
5. Dholakia, H., **V. Mishra**, and A. Garg (2015). Predicted increase in heat wave related mortality in urban India under climate change. (IIM Ahmedabad Working Paper)
6. Akarsh A. and **Vimal Mishra (2015)**. Prediction of Vegetation Anomalies for Food Security and Water Management in India (Geophysical Research Letters) [**IF: 4.5**]
7. **Mishra V.** (2015) Climatic Uncertainty in Himalayan Water Towers (Journal of Geophysical Research-Atmosphere) [**IF 3.44**]
8. Ali H., **V., Mishra**, and D., Pai, (2014) .Observed and Projected Urban Extreme Precipitation Events in India (Journal of Geophysical Research: Atmosphere) [**IF:3.44**].
9. Kumar D.,**V., Mishra.**, and A., Ganguly, (2014). Evaluating wind extremes in CMIP5 climate models (Climate Dynamics) [**IF:4.61**]

10. Shah, R., and **V., Mishra**, (2014). Development of an Experimental Near-Real Time Drought Monitor for India (Journal of Hydrometeorology, AMS), <http://journals.ametsoc.org/doi/abs/10.1175/JHM-D-14-0041.1> [IF:3.57]
11. **Mishra, V.**, Shah, R., and B., Thrasher, (2014) Soil Moisture Droughts under the Retrospective and Projected Climate in India (Journal of Hydrometeorology) [IF:3.57]
12. **Mishra, V.**, D. Kumar, A., Ganguly, Sanjay, J., M., Mujumdar, R., Krishnan, and R. Shah (2014), Reliability of Indian precipitation extremes from regional and global climate models (Journal of Geophysical Research) [IF:3.24]
13. Ghosh, S., S. Kannan, **V., Mishra**, K., Salvi (2014). Uncertainty Resulting from Multiple Data Usage in Statistical Downscaling. (Geophysical Research letters) [IF: 4.45]
14. Livneh, B., Rosenberg, E.A., Lin, C., Nijssen, B., **V. Mishra**, Andreadis, K.M., Maurer, E.P., Lettenmaier, D.P., 2013. A long-term hydrologically based data set of land surface fluxes and states for the conterminous U.S.: Update and extensions. J. Clim. 130712132648002. [IF: 4.36]
15. Shah, R., **V. Mishra** (2013). Evaluation of the reanalysis products for the monsoon season droughts in India (Journal of Hydrometeorology) [IF:3.57]
16. Frans, C., Istanbuluoglu, E., **Mishra, V.**, Munoz-Arriola, F., Lettenmaier, D.P., 2013. Are climatic or land cover changes the dominant cause of runoff trends in the Upper Mississippi River Basin? Geophys. Res. Lett. 1–7.[IF: 4.45] [Highlighted in Nature]
17. **Mishra, V.**, Dominguez, F., Lettenmaier, D.P., 2012a. Urban precipitation extremes: How reliable are regional climate models? Geophys. Res. Lett. 39. [IF: 4.45] [Highlighted in Science]
18. **Mishra, V.**, Smoliak, B.V., Lettenmaier, D.P., Wallace, J.M., 2012b. A prominent pattern of year-to-year variability in Indian Summer Monsoon Rainfall. Proc. Natl. Acad. Sci. 109,7213–7217.[IF:9.73]
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20. **Mishra, V.**, Lettenmaier, D.P., 2011. Climatic trends in major US urban areas, 1950–2009. Geophys. Res. Lett. 38. [IF:4.45] [Among the most popular papers of AGU]
19. **Mishra, V.**, Cherkauer, K.A., 2011. Influence of cold season climate variability on lakes and wetlands in the Great Lakes region. J. Geophys. Res. Atmospheres 116.[IF: 3.24]
20. **Mishra, V.**, Cherkauer, K.A., Bowling, L.C., 2011a. Changing thermal dynamics of lakes in the Great Lakes region: Role of ice cover feedbacks. Glob. Planet. Change 75, 155–172.[IF:3.7]
21. **Mishra, V.**, Cherkauer, K.A., Bowling, L.C., Huber, M., 2011b. Lake Ice phenology of small lakes: Impacts of climate variability in the Great Lakes region. Glob. Planet. Change 76, 166–185.[IF:3.7]
22. **Mishra, V.**, Cherkauer, K.A., 2010. Retrospective droughts in the crop growing season: Implications to corn and soybean yield in the Midwestern United States. Agric. For. Meteorol. 150, 1030–1045. [IF:3.8]
23. **Mishra, V.**, K. Cherkauer and L. Bowling, 2010: Are small lakes becoming ice free in the Great Lakes Region, Bulletin of the American Meteorological Society v. 91 no. 7[IF: 9.00]
24. **Mishra, V.**, Cherkauer, K.A., Bowling, L.C., 2010a. Parameterization of lakes and wetlands for energy and water balance studies in the Great Lakes region*. J. Hydrometeorol. 11, 1057–1082.[IF:3.57]

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30. Gufran, M., **Mishra, V.** (2004). Design and computation of conveyance losses in lined water conveyance system at CAET-Etawah. *Bi-annual International Journal of Agriculture* (New Agriculturist), 15(2).