

Yadu POKHREL

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Dr. Yadu Pokhrel is an assistant professor in the Department of Civil and Environmental Engineering at Michigan State University. Dr. Pokhrel obtained his PhD in Civil Engineering from the University of Tokyo, Japan. Upon completing PhD, he worked as a postdoctoral fellow at Hokkaido University, Japan and then at Rutgers University, New Jersey, first as a Research Associate and then as an Assistant Research Professor before moving to Michigan State University in 2014. His research interests are focused on improving the understanding of the changes in the water cycle in response to the combined effects of human activities and climate change. In particular, the changes in various components of the hydrological cycle, as caused directly by human activities such as land-use and land cover change, reservoir operation and large-scale diversion of water, irrigation, and groundwater pumping, constitute the foundation of his research interest. The primary focus of his research is on representing these human factors into global/regional hydrologic, climate, and Earth system models in order to develop holistic and integrated hydrological/water resources models that can be used to address the pressing societal problems of water resources and agricultural sustainability; he integrates various in-situ and satellite-based observations within these models to address problems related to climate change and water resources and agricultural sustainability. Dr. Pokhrel has published his work in various high-impact international journals in his field including Nature Geoscience.