



# Meet Timothy Randhir

**Timothy Randhir, PhD**

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**Timothy O. Randhir** is a Full Professor with the Department of Environmental Conservation, College of Natural Sciences, University of Massachusetts, USA. He is the Director of the Massachusetts Water Resources Research Center and has served as the Director of the Eco Graduate Program for the past seven years. He is the President of the Southern New England Chapter of the Soil and Water Conservation Society. Dr. Randhir received a Ph.D. from Purdue University in 1995 and did post-doctoral work at Purdue University before joining the University of Massachusetts as a faculty. He has a bachelor's degree in Agricultural Sciences from Annamalai University and a master's degree in Agricultural Economics from Tamil Nadu Agricultural University. Dr. Randhir is a consultant to the National Academy of Science, Engineering, and Medicine, the American Association of Advancement of Sciences, the US Environmental Protection Agency, the National Science Foundation, and the US Department of Agriculture. In addition, he serves as Editor-in-chief of international journals in Ecological economics and statistics, and computational environmental sciences, Associate Editor of *Frontiers in Water* in *Water and Critical Zone*, *Modeling and Optimization for Decision Support*, and *Water Resources Management*, and Editor of the *PeerJ Life and Environmental Sciences*. His publications include a book on Watershed Management, several book chapters, more than 114 refereed articles in high-impact international journals, and several professional conference presentations. His research extends worldwide, including Honduras, Columbia, Peru, Uruguay, Mexico, Brazil, Ecuador, El Salvador, eSwatini, Cote d'Ivoire, Burkina Faso, Egypt, Uganda, Turkey, Iran, Mongolia, Kazakhstan, Kirghizstan, Russia, China, India, Myanmar, and Indonesia.

***"How do you plan on advancing UCOWR's mission of leading in education, research and public service in water resources?"***

I plan to be part of UCOWR in advancing its education, research, and service mission. Some inter-related areas I could participate in are education through the development and sharing through a transdisciplinary curriculum network in water resources, networking research in uncertainty and hydrology, and public service through academic community engagement in public service through decision support.

**Education:** Teaching integrated approaches can prepare students to address water problems creatively and innovatively. A watershed approach and integrated water resources management courses accomplish these. But there is a need for curriculum templates with case studies that can be adopted for teaching undergraduate and graduate courses. I plan to initiate sharable curriculum templates and case studies for use by educators.

**Research:** Water research is increasingly moving toward questioning the assumption of stationarity. I plan to network with other researchers in studying uncertainty and thresholds at multiple scales using big datasets.