Dr. Assefa Melesse

Dr. Assefa Melesse is a Professor of Water Resources Engineering with background in remote sensing and geospatial applications to hydrological modeling. He earned his M.E (2000) and Ph. D (2002) from the University of Florida in Agricultural Engineering with two concentrations (*Hydrological Sciences and GIS)* and 3 minors (*Civil Engineering, Environmental Engineering and Remote sensing*). Professor Melesse was an Assistant Professor at Alemaya University, Ethiopia and at the School of Aerospace Sciences, University of North Dakota before he joined FIU. He was promoted to Full Professor in 2014. His areas of research and experience include spatially distributed hydrologic modeling, ecohydrology, spatial surface water balance modeling, sediment transport, surface and groundwater interactions modeling, spatial evapotranspiration mapping using remote sensing, water-energy-carbon fluxes coupling and modeling, remote sensing hydrology, climate change impact modeling, river basin management and land cover change detection and scaling. He has vast experiences in the Nile River basin. Dr. Melesse was a Fulbright Scholar in Ethiopia (2012). Dr. Melesse has ample experience in river basin runoff modeling employing GIS and data from remote sensing. He has served as major/co-major advisor of over 50 Ph.D and M.Sc students at FIU as well as at collaborating international institutions. Dr. Melesse is a registered Professional Engineer (PE) and also Diplomate of Water Resources Engineer (D. WRE) with over 30 years of teaching and research experience.