

Biography

Dr. Narayanan Kannan is a Research Scientist with Texas Institute for Applied Environmental Research-Tarleton State University at Stephenville, TX, USA. He is also a faculty in Center for Environmental Studies at Tarleton. He received his Ph.D. in Agricultural Engineering from Cranfield University, England, a master's degree in Engineering Hydrology from the National University of Ireland, Galway, another master's degree in Water Resources Development and Management from Indian Institute of Technology, Kharagpur, and a bachelor degree in Agricultural Engineering from Tamilnadu Agricultural University, Coimbatore. Dr. Kannan's research focuses on development and application of computer models for solving challenging water resources problems. He has extensive experience in pollutant fate and transport, hydrologic modeling, and assessment of large-scale water resources problems. He developed a computer model to estimate water use, energy requirement and greenhouse gas emissions associated with livestock production. He has over 30 peer-reviewed scholarly publications on water quality and quantity issues.

Research Interests

Hydrologic modeling, watershed management, non-point source pollution analysis, irrigation, crop water consumption, water sustainability analysis, stormwater best management practices, water-food-energy-climate nexus, energy use, greenhouse gas emissions.