

Brief Profile

Dr. T.V. Ramachandra

Dr. T.V. Ramachandra, FIE, FIE(UK) obtained Ph.D. in Ecology and Energy from Indian Institute of Science. At present, Coordinator of Energy and Wetlands Research Group (EWRG), Convener of Environmental Information System (ENVIS) at Centre for Ecological Sciences (CES). During the past fifteen years he has established an active school of research in the area of energy and environment (<http://ces.iisc.ernet.in/energy>). He was a Member of Karnataka State level Environment Expert Appraisal Committee (2007-2010), appointed by the Ministry of Environment and Forests, Government of India and a member of Western Ghats task force appointed by the Government of Karnataka. He is a recipient of Energy Legend (2011), Energy Engineer ((international) 2009) of Association of Energy Engineers (USA), Johny Biosphere Award for Ecology and Environment (2004) and Satish Dhawan Young Scientist Award, 2007 of Karnataka State Government.

He is an associate faculty at Centre for Sustainable Technologies (astra) and Centre for infrastructure, sustainable Transportation and Urban Planning (CiSTUP) at Indian Institute of Science. He is an Elected Fellow of the Institution of Electrical Engineers (IEE, UK; 2005), Indian Association of Hydrologists (India; 2006), Institution of Engineers (IE, India; 2003), and a Senior Member, IEEE (USA; 2000) and Association of Energy Engineers (USA; 2000), National Institute of Ecology (2011).

TVR's research interests are in the area of energy systems, renewable energy, energy conservation, energy planning, aquatic ecosystems, biodiversity, EIA, valuation of ecosystems, environment auditing, ecological modeling, geoinformatics, urban planning, carbon footprint, environmental engineering education research and curriculum development at the tertiary level. He has published over 215 research papers in reputed peer reviewed international and national journals, 40 book chapters, 182 research papers in the international and national symposiums as well as 14 books. In addition, he has delivered a number of plenary lectures at national and international conferences. Publication 'Milking diatoms for energy' is seminal work in biofuel research evident from reports in Scientific American, BBC, national dailies, etc. He has guided 76 students for Masters dissertation and eight students for Doctoral degrees. TVR has travelled widely across the country for field research and also for delivering lectures at Schools and Colleges. He has taken initiatives through biannual symposium (popular as Lake series, forthcoming event is Lake 2014), training programmes and workshops for capacity building at various levels.