

Dr. Janardhanan Ganga Thulasi

Associate Professor and Head i.c , Centre for Environmental Management

National Institute of Technical Teachers Training and Research(NITTTR) Taramani, Chennai 600 113

• **Qualification**

- **Ph.D** (Civil Engineering - Specialization Geoenvironmental Engineering) – University of Illinois, USA
- **M.E** (Soil Mechanics and Foundation Engineering) – College of Engineering, Guindy – Anna University, India
- **B.E** (Civil Engineering) – College of Engineering, Guindy – Anna University, India
- **E.I.T** – Certified Professional – State of Wisconsin, USA
- **Federal Emergency Management Agency, USA** – Certified Professional in Disaster Management & Related Studies.

• **Professional Experience**

- Associate Professor – Centre for Environmental Management, National Institute of Technical Teachers Training & Research, Taramani, Chennai.
- Geo-Environmental Engineer – Great Lakes Soil and Environmental Consultants, Bolingbrook, Illinois, USA Incharge of DeKalb County Landfill Design and Characterization. Geotechnical Engineer – ARCADIS, Tennessee, USA
- Lecturer – Department of Civil Engineering, Anna University, Chennai, India
- Teaching Research Associate - Department of Civil Engineering, Anna University, Chennai, India

• **Expertise**

- Green Building Technologies
- Water Quality Management
- Sustainable Development
- Landuse and Landcover Management
- Geographical Information System
- Educational Technologies and FOSS for Academics
- Management Information System
- Instructional design and delivery through ICT

• **Academic Programmes**

- International Training Courses – 13 programmes, trained around 200 international participants, Gross Revenue Generated to the institute is Rs.252.6 Lakhs, sponsored by Ministry of External Affairs, Government of India.
- Faculty Development Programme – Content / Refresher / T2T Courses - 60 Programme
- Industry Training Programme – 26 Programmes (Engineers of L&T, Public Works Department, Highways Dept. Govt. of Tamil Nadu) (IRG – Rs. 43 Lakhs)
- IDDS Programme - 32 Programmes to Engineering Colleges (IRG – Rs. 15 Lakhs)
- Web-IDDS - Nodal Coordinator - Three Programmes

- **Research Expertise**
 - International Journal – 12 , International and National Conference – 18
 - Books/Technical Report – 23
 - Under NMEICT - Virtual Environmental Laboratory with Video and Simulation (As per AICTE Syllabus)
 - Guided 18 M.E Thesis in Faculty of Civil Engineering at College of Engineering and Guindy, Anna University , Chennai
 - Educational Resource Material - 15 (Videos)

- **Consultancy Projects to the tune of Rs. 185 Lakhs (2009-16)**
 - “Climate Change: India’s Initiative and Action” – Released on September 16th 2009 – International Ozone Day – Support from UNEP and TNPCB
 - ARGONNE National Laboratory, USA – Technical Report - ANL - 06/32 “Study on degradation of commercial rigid polyurethane foam used for filling of Process Gas Equipment (PGE) and Pipes and Corrosion behavior of pipes at K-25/K-27”
 - “Seismic Microzonation” – Publication sponsored by Department of Science and Technology, Government of India.
 - Unit Weight of MSW at Orchard Hills Landfill based on field testing - Technical Report to CREED, France.
 - Leachate distribution and geotechnical stability of bioreactor landfills – Report to CREED, France.
 - Design Check and Monitoring guidelines for Hazardous Waste Landfill - Report to TNPCB
 - Integrity Assessment of Hazardous Waste Landfill - Report to TPL
 - Characterization of Brine Sludge - Report to TPL
 - GIS mapping of Chennai Slum and poverty alleviation of slum dwellers - Rajiv Awas Yojana Scheme
 - Coastal Zone Climate Change Modeling – Asian Pacific Network

- **Awards, Honours and Professional Membership**
 - Good Governance Day – First Prize in Oration – 2014
 - Institution of Engineers, India - Young Engineer Award - 2012.
 - American Society of Civil Engineering (ASCE) – Illinois Section – Geotechnical Award – 2006 (First Indian Recipient of the Award)
 - Swiss Federal Institute of Technology (EPFL), in partnership with the United Nations Institute for Training and Research (UNITAR) Fellowship for the study on “Sustainable Development and Role of Technology”.
 - SWISS confederation, SDC (UN-ISDR, UNESCO) – Scholarship (One of the ten recipients selected in the world – 2006)
 - University of Illinois – Doctoral Fellowship
 - Member in American Society of Engineering Education (ASEE)
 - Member in American Society of Civil Engineers (ASCE)
 - Member in American Society for Testing and Materials
 - Member in Indian Society of Technical Education

- Member in Indian Geotechnical Society
- Member in Solid Waste Association of India
- Member in Indian Concrete Institute
- Member in Institution of Engineers (India)

- **Professional Services**
 - Consultancy work in the area of Outcome Based Education; Framing Vision, Mission, PEO, PO and CO, preparation of SAR.
 - Design of landfill structures, consultancy expertise in Geo-Environmental and civil engineering.
 - Board of Studies Member in Periyar Maniyammai University, Tanjore Tamilnadu and Theagarajar College of Engineering, Maduarai, Tamilnadu
 - Doctoral Committee Member in various Universities.
 - Reviewer in Professional Journals.
 - Executive committee Member Indian Geotechnical Society Chennai Chapter.
 - Established state of art laboratory facility for the test of MSW Solid Waste, Water, Waste water and Soil.

- **Member of National and International Committees**
 - Member in National Committee “Pedagogy and Scheduling”, DTH- NMEICT.
 - NABET – QCI – Functional Area Expert in Solid Waste Management.

- **Project Guided for Overseas Training Programme**
 - More than 150 Project thesis of Overseas Professional were guided in the area of Sustainable development, Green Environment, Integrated water Quality Analysis and Technologies for Green Building.