



**Dr. Surya T V**

Assistant Professor  
Department of Civil Engineering  
College of Engineering Vadakara  
Mobile: 9995150081  
Email: suryasuryatv@gmail.com

**Qualifications:**

- PhD in Civil Engineering
- M.Tech in Environmental Geotechnology
- B.Tech in Civil Engineering

**Experience:**

- Working as Assistant Professor in College of Engineering Vadakara since 01/07/2010.
- Worked as Assistant Professor at IES Engineering College Thrissur for one year.
- Worked as Guest Lecturer at College of Engineering Thalassery for one year
- Total service: 13years

**Areas of Interest:**

- Wastewater treatment methods
- Environmental Sustainability
- Water quality modelling
- Environmental hydraulics

**Positions held:**

- HoD in charge during 2014-2015
- Class Advisor of 2012-16 batch

**Subjects Taught:**

- Geotechnical Engineering, Transportation Engineering, Mechanics of Solids, Building Materials, Environmental Engineering, Surveying, Building Design and Drawing, Pavement Design
- Environmental Engineering lab, Geotechnical Engineering Lab, Surveying Lab

### Projects Guided:

- Performance Analysis of Phytoid Technology in Wastewater Treatment, 2018-22
- Determination of Soil Stability Using Rice Husk Ash and Saw Dust, 2015-16.
- Design of Modern Slaughter House, 2014-15.

### Publications:

1. Surya Thazhathu Veetil, Santosh G. Thampi, "Performance evaluation and numerical simulation of vertical subsurface flow constructed wetlands in wastewater treatment", *Advances in Environmental Technology*, Vol. 7(1), pp. 37-46, 2021.
2. Surya T.V and Santosh G Thampi. (2020) "Performance Evaluation of Vertical Subsurface Flow Constructed Wetlands in Wastewater Treatment". Paper published in the second Proceedings Second ASCE India Conference, CRSIDE2020, March 2-4, 2020.
3. Surya T. V., Santosh G Thampi and Reeshna V., "Performance Evaluation of Oyster Shell Bedded Constructed Wetlands in Wastewater Treatment", *Proceedings of ICIWEE<sup>2</sup>, CODISSIA*, January 25-26, 2019
4. Santosh. G. Thampi., Raneesh. K. Y., and **Surya. T. V.** 2010. "Influence of scale on SWAT model calibration for streamflow in a river basin in the humid tropics". Paper published in *Water Resources Management (Water Resour Manage (2010) 24:4567–4578, DOI 10.1007/s11269-010-9676-y)*.
5. Raneesh. K. Y., **Surya. T. V.**, and Santosh. G. Thampi. 2010. "Prediction of Streamflow, Sediment Yield, and Nutrient Load in the Chaliyar River Basin, Kerala, India". Paper published in *International Journal of Earth Sciences and Engineering. (IJEE October 2010, Volume 03 No.05:654-661)*.
6. **Surya. T. V.**, Raneesh. K. Y., and Santosh. G. Thampi. (2009). "Future scenario analysis of streamflow and nutrient load in the Chaliyar river basin using a distributed hydrological model". *Proceedings of the National Seminar on Emerging Trends in Environment and Development (KUNSED)*. Department of Environmental Sciences, University of Kerala, Kariavattom, Thiruvananthapuram. October 8-9, 2009.
7. Raneesh. K. Y., **Surya. T. V.**, and Santosh. G. Thampi. (2010). "Application of the Soil and Water Assessment Tool (SWAT) on an Agricultural Watershed in the Humid Tropics". *Proceedings of the National Conference on Sustainable Water Resources Management (SWaRM-2010)*. National Institute of Technology Karnataka, Surathkal. 7–9 January 2010.
8. Raneesh. K. Y., Santosh. G. Thampi and **Surya. T.V.** (2010). "Evaluating the Sediment Yield Estimation Potential of SWAT on an Agricultural Watershed". *Proceedings of the Third International Conference on Hydrology and Watershed Management (ICHWAM-2010)*. Centre for Water Resources, Institute of Science and Technology, Jawaharlal Nehru Technological University, Kukatpally, Hyderabad. 3–6 February, 2010.
9. **Surya. T. V.**, Raneesh. K. Y., and Santosh. G. Thampi. (2010). "Sediment Yield and Nutrient Load Estimates from an Agricultural Watershed in the Humid Tropics". *Proceedings of the National Seminar on Soil, Water and Crop Management for Higher Productivity of Spices*. Centre for Water Resources Development and Management (CWRDM), Kunnamangalam, Kozhikode. 11-12 February, 2010.
10. Raneesh. K. Y., **Surya. T. V.**, and Santosh. G. Thampi. (2010). "Simulation of Nitrogen and Phosphorus Loads in the Chaliyar River Basin in Kerala Using SWAT". *Proceedings of the Young Researchers Conference held on the occasion of World Water Day at CWRDM, Kozhikode on 23rd March 2010*.

### **Training Programmes Organised:**

- Two-day online workshop on “Modern Trends in Highway Construction Practices” for S6 and S4 students under TEQIP- II on 14<sup>th</sup> and 15<sup>th</sup> June 2021.
- FDP on “Sustainability in Civil Engineering”, under TEQIP-II, 14-19 December 2015.
- FDP on “Recent Advances in Civil Engineering”, under TEQIP-II, 6-10 January 2015.
- Three-day seminar on “GIS, GPS and Remote Sensing” under TEQIP -II, 25-27 April, 2013.

### **Training Programmes Attended:**

- Second ASCE India Conference – CRSIDE 2020 during 2<sup>nd</sup> to 4<sup>th</sup> March 2020.
- National Environmental Conference organised by IIT Bombay during 31<sup>st</sup> January to 2<sup>nd</sup> February 2019.
- International Conference on “Industrial Water, Energy and Environment” organised by IWA on 25-26<sup>th</sup> January 2019.
- International Workshop on “Modeling Water Flow and Contaminant Transport in Soil and Ground water using HYDRUS and HP1Computer Software Packages” at IIT Mandi during 9<sup>th</sup> to 11<sup>th</sup> September 2019.
- Training course on “Water Resources Modelling using MIKE HYDRO RIVER and MIKE FLOOD” at NITC during 6<sup>th</sup> to 10<sup>th</sup> May 2019.
- Training course on “Water Resources Modelling using MIKE HYDRO River and MIKE SHE” at NITC during 12<sup>th</sup> to 16<sup>th</sup> December 2016.
- FDP on “Assessment of Climate and Landuse Change Impacts on Water Resources” at NITC during 29<sup>th</sup> August to 3<sup>rd</sup> September 2016.
- Training programme on “Finite Element Method and its Application in Structural Engineering and Hydraulics” at NIT Calicut during 4<sup>th</sup> to 10<sup>th</sup> July 2016.
- FDP on “Sustainability in Civil Engineering” at College of Engineering Vadakara during 14<sup>th</sup> to 19<sup>th</sup> December 2015.
- FDP on “Technology Enabled Teaching and Learning” at IIMK during 19<sup>th</sup> to 23<sup>rd</sup> August 2015.
- FDP on “Recent Advances in Civil Engineering” at College of Engineering Vadakara during 6<sup>th</sup> to 10<sup>th</sup> January 2015.
- FDP on “Dynamics of Soils and Foundations” at NIT Calicut during 26<sup>th</sup> to 31<sup>st</sup> May 2014.
- National Seminar on “GPS, GIS and Remote Sensing” on 25-27 April 2013 at College of Engineering Vadakara.
- Indian Geotechnical Conference-2011 organised by IGS, 15-17 December 2011.

### **Professional Body Memberships:**

- Member of International Water Association (IWA)
- Life Member of Indian Concrete Institute (ICI)