

## **Dr. AnjanaSanthakumar**

### **Associate Professor**



#### **Contact Details**

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#### **Professional Qualifications**

B-Tech	Specialization	Civil Engineering
	Institute/University	Calicut University
	Year	1994
M-Tech	Specialization	Structural Engineering
	Institute/University	Calicut University
	Year	1997
PhD	Specialization	Structural Engineering
	Institute/University	N I T Calicut
	Year	2014

## **Areas of Interest**

Structural Design, Fibre reinforced Concrete, Geopolymer Concrete

## **Professional Experience**

- 19 years and 5 months in teaching

## **Responsibilities/ Position**

- Head of the Department (2013 – 2015)
- Part Time co-ordinator (2013-2016)
- U G Dean(2015-16)
- Valuation Camp Director (Calicut University)
- Internal Academic Auditor for the Department
- Student welfare committee convenor(2015-16)
- Ladies Hostel Warden
- KIIF B Project Team Leader

## **Training Details (2014-15 Onwards)**

<b>Course Name</b>	<b>Conducted By</b>	<b>Sponsoring Agency</b>	<b>Period</b>	<b>No of days</b>
Sustainability and Modern Construction Practices	Govt. Engineering College, Kozhikode	Directorate of Technical Education	12/01/2015 -17/01/2015	6
Introduction to Advanced Softwares in Civil Engineering	Govt. Engineering College, Kozhikode	Directorate of Technical Education	9/3/2016 – 15/3/2016	7

## **Publications**

### **List of journals published**

1. N.Ganesan, P.V. Indira and AnjanaSanthakumar., “Prediction of Ultimate Strength of Reinforced Geopolymer Concrete Wall Panels in One-way Action” – Construction and Building Materials, Elsevier, Vol 48, (2013), pp 91-97.
2. N.Ganesan, P.V. Indira and AnjanaSanthakumar., “Behaviour of Steel Fibre Reinforced Geopolymer Concrete Members under Flexure” – International Journal of Earth Sciences and Engineering, Vol 6, No.3, June 2013, pp 546-551.
3. N.Ganesan, P.V. Indira and AnjanaSanthakumar., “Compressive Constitutive Behaviour of Steel Fibre Reinforced Geopolymer Concrete under Cyclic Loading”- published in International Journal of Engineering Sciences, Vol 2, No.1,2013, pp 1-5.

4. N.Ganesan, P.V. Indira and AnjanaSanthakumar., “Effect of steel fibres on the mechanical properties of geopolymer concrete” – Advances in Concrete Construction, TechnoPress, Vol. 1, No. 4 (2013), pp 305-318 .
5. N.Ganesan, P.V. Indira and AnjanaSanthakumar., “Influence of Steel Fibres on Tension Stiffening and Cracking of Reinforced Geopolymer Concrete” - Magazine of concrete Research, ICE, UK, Vol 66, No.6, 2014, pp 268-276.
6. N.Ganesan, P.V. Indira and AnjanaSanthakumar., “Bond behaviour of reinforcing bars embedded in steel fibre reinforced geopolymer concrete” – Magazine of Concrete Research, ICE, UK, Vol 67, No. 1, 2014,pp 9 –16 .
7. N.Ganesan, P.V. Indira and AnjanaSanthakumar., “Strength and Behaviour of Steel Fibre Reinforced Geopolymer Concrete Wall Panels in One-way In-plane Action” –Indian Concrete Journal, Vol.88, No.5, May 2014, pp. 28-35.
8. N.Ganesan, P.V. Indira and AnjanaSanthakumar., “Effect of Steel Fibres on Shear Strength of Geopolymer Concrete Beams” - Journal of Structural Engineering, Vol. 41, No. 6, February - March 2015, pp. 441-448.

#### List of Conference papers

1. N.Ganesan, P.V.Indira and AnjanaSanthakumar, “Durability Characteristics and Compressive Constitutive Behaviour of Steel Fibre Reinforced Geopolymer Concrete” - International conference on the Durability of Concrete Structures’ at Queens University, Belfast, UK, from 17 -19 September 2012.
2. N.Ganesan, P.V.Indira and AnjanaSanthakumar, “Studies on Geopolymer Concrete” - International conference on ‘Advances in Materials and Techniques for Infrastructure Development’ at NIT Calicut from Sept 28-30 , 2011.
3. N.Ganesan, P.V.Indira and AnjanaSanthakumar., “Compressive Constitutive Behaviour of Steel Fibre Reinforced Geopolymer Concrete under Cyclic Loading”- International conference on Advances in Engineering and Technology, at Sinhgad Institute of Technology, Pune from May 15 – 17, 2013.
4. N. Ganesan, P.V.Indira and AnjanaSanthakumar., “Geopolymer Concrete – An Energy Efficient and Ecofriendly Concrete “ – International Conference on Energy, Environment and Eco-friendly Buildings, at Jain University, Bangalore from September 19 -21, 2013.
5. N. Ganesan, P.V.Indira and AnjanaSanthakumar., “Shear behaviour of steel fibre reinforced geopolymer concrete flexural members” – National conference on Recent Advances in Civil Engineering at CUSAT, Kochi from Nov 29 – Dec 01, 2012.

#### Project/Consultancy

- KIIF B project under progress.