

Dr.Anjana Santhakumar
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

- **17 years in teaching**

Responsibilities\Position

- **Head of the Department (from 2013 - 2015)**
- **U G Dean**
- **Valuation Camp Director (Calicut University)**
- **Internal Academic Auditor for the Department**
- **Student welfare committee convenor**

Publications

List of journals published

1. N.Ganesan, P.V. Indira and Anjana Santhakumar., "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 Anjana Santhakumar., "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 Anjana Santhakumar., "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 Anjana Santhakumar., "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 Anjana Santhakumar., "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 Anjana Santhakumar., "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 Anjana Santhakumar., "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 Anjana Santhakumar., "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 Anjana Santhakumar, "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 Anjana Santhakumar, "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 Anjana Santhakumar., "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 Anjana Santhakumar., "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 Anjana Santhakumar., "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.