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<b>Lab</b>	<b>CSIR -STRUCTURAL ENGINEERING RESEARCH CENTRE</b>	
<b>Areas of Interest</b>	<b>Textile/fiber Reinforced Concrete; Computational modelling of Structures; Repair and Retrofitting.</b>	

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### Selected Publications (Past five years)

- Smitha Gopinath**, A Ramachandra Murthy, Nagesh R Iyer, and M Prabha, (2015) "Behaviour of reinforced concrete beams strengthened with basalt textile reinforced concrete" Journal of Industrial Textiles, vol. 44, no. 6, pp 924-9332.
- Smitha Gopinath**, A. Rama Chandra Murthy, Nagesh R. Iyer, (2015) "Monotonic and Low Cycle Fatigue Behaviour of concrete beams strengthened with textile reinforced concrete U-wrap" , Indian journal of Engineering and Material Science, Vol.22, pp 331-338
- Smitha Gopinath**, V. Ramesh Kumar, S. Harishkumar, A. Ramachandra Murthy, Nagesh R. Iyer , (2014) "Pre-fabricated Sandwich Panels using Cold Form Steel and Textile Reinforced Concrete", Construction and Building Materials, Vol. 64, pp 54-59.
- Smitha Gopinath**, R. Ayashwarya, V. Ramesh Kumar, Prabhat Ranjan Prem, A. Ramachandra Murthy, C.K. Madheswaran, Nagesh R. Iyer, (2014) "Low velocity impact behaviour of ultra-high strength concrete panels", Sadhana, Vol. 39, Part 6, pp 1497–1507.
- Smitha Gopinath**, C.K. Madheswaran, A. Rama Chandra Murthy, Nagesh. R. Iyer, Barkavi.T, (2013) "Low and High Velocity Impact Studies on Fabric Reinforced Concrete Panels", International journal of CMES: Computer Modeling in Engineering & Sciences, Vol. 92, No. 2, pp 151-172.
- Smitha Gopinath**, J. Rajasankar, Nagesh R. Iyer & A. Ramachandra Murthy, (2013), "An integrated model for tension stiffening and reinforcement corrosion of RC flexural members", Computers Materials and Continua, vol.33, no.1, pp 87-110.
- Smitha Gopinath**, Nagesh R. Iyer, J. Rajasankar and Sandra D'Souza, (2012) "Nonlinear analysis of RC shell structures using multilevel modelling techniques , Engineering Computations", International Journal for Computer-Aided Engineering and Software, Vol. 29 No. 2, pp 104-124
- Smitha Gopinath**, J. Rajasankar, Nagesh R. Iyer, (2012) "Nonlinear Analysis of RC Structures using Isotropic Damage Model", International Journal of Damage Mechanics, 21(5), pp 647-669.
- Smitha Gopinath**, A. Ramachandra Murthy, Nagesh R. Iyer, (2011) "Nonlinear finite element analysis of RC structures incorporating corrosion effects", CMC, vol.22, no.1, pp 55-71, 2011.
- Smitha Gopinath**, J. Rajasankar, Nagesh R. Iyer, T.S. Krishnamoorthy, B.H.Bharat kumar, & N. Lakshmanan, (2009) "A strain based model for concrete under tension in nonlinear finite element analysis of RC flexural members", Structural Durability and Health Monitoring (SDHM), Vol. 5, No. 4, pp 311-336.