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Areas of Interest	Computational Mechanics, Reliability Analysis of Structures, Fuzzy and Fuzzy-Random Modelling, Seismic Hazard Analysis, Creep and Shrinkage of Concrete, Durability-Based Service Life Design	
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Selected Publications (Past five years)

- Balaji Rao, K., **Anoop, M.B.**, Harikrishna, P., Selvi Rajan, S. and Nagesh R. Iyer, (2014) " Prediction of negative peak wind pressures on roofs of low-rise building", Wind and Structures, Vol. 19(6), pp 623-647.
- Balasubramanian, S.R., Balaji Rao, K., Meher Prasad, A., Rupen, G. and **Anoop M.B.**, (2014) "A methodology for development of seismic fragility curves for URBM buildings", Earthquakes & Structures, an International Journal, Vol. 6(6), pp 611-625.
- Balaji Rao, K. and **Anoop, M.B.**, (2014) "Stochastic analysis of RC beams with corroded reinforcement", Proceedings of the Institution of Civil Engineers (UK) - Construction Materials, Vol. 167(1), pp 26-35.
- Balaji Rao, K., **Anoop, M.B.**, Raghava, G., Prakash, M. and Rajadurai, A., (2013) "Probabilistic fatigue life analysis of welded steel plate railway bridge girders using S-N curve approach", Proceedings of Institution of Mechanical Engineers Part O: Journal of Risk and Reliability, Vol. 227(4), pp 385-404.
- Balaji Rao, K. and **Anoop, M.B.**, (2013) "Why do we need probability distributions with fat tails to describe the surface strain evolution in reinforced concrete flexural members?", Meccanica, Vol. 48, pp1517-1542.
- Venkatesha, K.V., Balaji Rao, K., Dinesh, S.V., Bharathkumar, B.H., **Anoop, M.B.**, Balasubramanian, S.R. and Nagesh R. Iyer, (2012) "Experimental Investigation on Reinforced Concrete Beams without and with CFRP Wrapping", Slovak Journal of Civil Engineering, vol. XX(3), pp 15-26.
- Anoop, M.B.**, Balaji Rao, K., Lakshmanan, N. and Raghuprasad B.K., (2012) "Markov chain modeling of evolution of strains in reinforced concrete flexural beams", Materiales de Construcción, Vol. 61(307), pp 443 - 453.
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- Anoop, M.B.**, Prabhu, G. and Balaji Rao, K., (2011) "Probabilistic analysis of shear fatigue life of steel plate girders using fracture mechanics approach", Proceedings of Institution of Mechanical Engineers (UK) - Journal of Risk and Reliability, Vol. 225(4), pp 389 – 398.
- Balaji Rao, K., **Anoop, M.B.**, Sreeshylam, P., Sridhar, S., Kesavan, K., and Ravisankar, K., (2011) "Assessment of prestress losses in instrumented prestressed concrete beams using stochastic analysis", Strain, Vol. 47, pp 175-188.