BIODATA

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Academic Qualifications:

1. B. Tech in Civil Engineering (First Class), University of Calicut, Kerala, 1996.
2. M.Tech. in Civil Engineering (First Class with distinction), Kerala Unibversity, 1999.
3. Ph. D in Civil Engineering, College of Engineering, Guindy, Anna University, Chennai, 2007 (Thesis title: Dynamic behavior of steel space frames)

Awards/Recognitions

- Awarded Jai Krishna Prize by Institution of Engineers (India) for the research paper titled "Performance based seismic evaluation of RC framed building" in the event of 31st Indian Engineers Congress held on December 2016.
- One of the team member adjudged with NIGIS Corrosion Awareness Award in the category of Excellent Laboratory by NACE International Gateway India section for the year 2014.
- Best paper Award for the paper titled 'Experimental and numerical investigation on dynamic characteristics of steel space frames' in Second National Conference on Recent Advances in Civil Engineering, Dec3-6 ,2006,Kochi,India.

Research Interests

- Behaviour of steel structures
- Seismic performance evaluation of steel and RC structures
- Behaviour of structural components subjected to elevated temperature and corrosion effect

M.E./M.Tech. Research Guidance: 18 (Completed)
Doctoral Committee member :5 Ph.D scholars (two completed)

Journal Publications

1. Cinitha.A,V.Sampath,K.Kesavan,Strain monitoring of low carbon steel in a corrosive environment using fiber Bragg technology, Construction and Building Materials,217 (2019),pp 265-272.
2. Cinitha.A,Umesha.P.K,G.S.Palani and V.Sampath, Compression behavior of steel Tubular members under simulated corrosion and elevated temperature, International Journal of steel Structures,2018(1),pp 139-152.
3. Cinitha.A,Umesha.P.K,and Nagesh R.Iyer, An overview of corrosion and experimental studies on corroded mild steel compression members, KSCE Journal of civil engineering,2014, Vol.18(6),pp 1735-1744.
4. Rama Raju.K, Cinitha.A, and Nagesh R.Iyer, Seismic performance evaluation of existing rc buildings designed as per past codes of practice, Sadhana academy proceedings in engineering sciences,2012, Vol.37,pp 281-297.
5. Vikraman.R, Cinitha.A, Umesha.P.K, Numerical studies on corroded steel angle members, Journal of Structural Engineering, 2016, Vol.43, o.2,pp.197-205.
6. Cinitha.A, Umesha .P.K, Nagesh R.Iyer, Lakshmanan.N, Performance-based Seismic Evaluation of RC Framed Building, Journal of Institution of Engineers (India):Series A, 2015, Vol. 96 (4),pp 285-294.
7. D.Shanmugha Priya,Cinitha.A, P.K.Umesha and Nagesh R.Iyer,(2015), A critical review on enhancing the seismic response of buildings with energy dissipation methods, Journal of Structural Engineering,SERC,2015,Vol.42(3),pp 218-228.

Books Authored/co-authored/Edited/Chapters Contributed:

- Two articles published in “Fire Research and Engineering”, Narosa Publishing House Pvt Ltd, New Delhi, ISBN 978-81-8487-395-5

    1. Evaluation of fire-damaged concrete structures with a case study.
       P.Srinivasan,Cinitha.A,Vimal Mohan,N.R.Iyer

    2. Behaviour of heated and naturally cooled steel tubular joints.
       Cinitha.A,Umesha.P.K and Nagesh R.Iyer

- Advances in Structural Integrity, Proceedings of SICE2016 , Springer ISBN 978-981-7197-3

    1) Studies on behaviour of steel tubular compression members subjected to accelerated corrosion
       Cinitha.A,P.K.Umesha and G.S.Palani

    2) Assessment of strain in a corrosive environment of structural steel
       Cinitha.A, P.K.Umesha and G.S.Palani