

LIST OF PUBLICATIONS OF DR.K.S.SATYANARAYANAN

1. Jaiswal R.K., Solanki N.S., Satish S., **K.S.Satyanarayanan** (2019) High Energy Absorbent Sustainable Concrete Element From Used Tin Cans, *Advances in Waste Management*. Springer, Singapore
2. B. M. R. Reddy, **K. S. Satyanarayanan**, and H. N. J. Reddy, "Strength Characteristics of Gold Mine Tailing Concrete," *Journal of advanced research in dynamical and control systems* vol. 10, no. May, pp. 536–542, 2018.
3. B. M. R. Reddy, **K. S. Satyanarayanan**, and H. N. J. Reddy, "Influence of Gold Mine Tailings on Properties of Masonry Mortar," *Journal of advanced research in dynamical and control systems* vol. 10, no. May, pp. 528–535, 2018.
4. K. Sarika, M. T. Student, B. M. R. Reddy, **K. S. Satyanarayanan**, and H. N. J. Reddy, "Durability Properties of Gold Mine Tailing Mortar and Concrete," *Journal of advanced research in dynamical and control systems* vol. 10, no. May, pp. 521–527, 2018.
5. P.Jaganathan, **K. S. Satyanarayanan**. "Durability Studies on the mechanical properties of bacterial concrete with two bacterial species," *Materials Today Proceedings – Elsevier Publications*, volume. 5(2),part 3.
6. M. Prakash, **K.S Satyanarayanan**, V. Thamilarasu, N. Parthasarathi, V.Thirumurugan, soumya "3D Nonlinear Static and Dynamic Assessment of Progressive Collapse Analysis of Reinforced Concrete Buildings," *Journal of advanced research in dynamical and control systems* vol. 10, no. May, pp. 955–962, 2018.
7. N. Parthasarathi, M. Prakash, **K. S. Satyanarayanan**, V. Thamilarasu, and P. Adithya, "Disproportionate Collapse Analysis on Two Dimensional Reinforced Concrete Multi Storey Frame Under High Temperature at Transient State Conditions," *Journal of advanced research in dynamical and control systems* vol. 10, no. May, pp. 950–954, 2018.
8. M. Prakash , **K.S. Satyanarayanan**, V. Thamilarasu, N. Parthasarathi, T.Sharma., "Assessment of Progressive Collapse Analysis in Corner and Middle Column Removal of Reinforced Concrete Buildings," *Journal of advanced research in dynamical and control systems*, vol. 10, no. May, pp. 963–967, 2018.
9. N. Parthasarathi, S. Srinivasa Senthil,M. Prakash, **K. S. Satyanarayanan**(April 2018), "Analytical and experimental study on reinforced concrete arch by photoelasticity technique" *Asian Journal of Civil Engineering*, Springer International Publishing. May 2018, Technical note, <https://doi.org/10.1007/s42107-018-0049-9>
10. N.Parthasarathi, Thamilarasu V.,**K.S.Satyanarayanan**, Prakash M., (2018) "Linear and non-linear analysis on two-dimensional steel frame under different temperatures", *Journal of Structural Fire Engineering*, <https://doi.org/10.1108/JSFE-12-2017-0047>
11. M. Prakash, N. Parthasarathi, **K. S. Satyanarayanan**, and M. Sundaram(March 2018), "Analytical and experimental study on web-crippling behaviour of cold-formed C-section with and without FRP wrapping," *Asian Journal of Civil Engineering*, Springer International Publishing. April 2018, Volume19(3), pp 333–342 - <https://doi.org/10.1007/s42107-018-0031-6>
12. S. Gowtham, M. Prakash, N. Parthasarathi, **K.S. Satyanarayanan**, and V. Thamilarasu(Feb 2018), "2D-Linear static and non-linear dynamic progressive collapse analysis of reinforced concrete building," *Materials Today Proceedings – Elsevier Publications*. Volume 5(2), Part 3, pp 8775-8783

13. N. Parthasarathi, K. Thiagarajan, **K. S. Satyanarayanan**, and V. Thamilarasu(Feb 2018), "Nonlinear analysis of the progressive collapse for two- dimensional steel frame under fire conditions".Materials Today Proceedings – Elseiver Publications, volume. 5(2),part 3 pp. 8718–8726.
14. S. Muthukumar, **K.S. Satyanarayanan** and K. Senthil (2017), 'Studies on two bay and three storey Infilled frame with Different Interface Materials: Experimental and Finite Element Studies', "Structural Engineering and Mechanics, An International Journal", [SCI – Impact factor -1.118]
15. K. Senthil, S. Rupali and **K.S. Satyanarayanan**, (2017), 'Experiments on ductile and non-ductile reinforced concrete frames under static and cyclic loading', "An International Journal, Coupled Systems Mechanics". Vol. 5, Issue 1, pp. 38 – 50.
16. K. Thiagarajan, N. Parthasarathi, **K. S. Satyanarayanan** and Thamilarasu (March 2017)."Linear analysis for progressive collapse on multistorey steel frame under different temperature". ARPN Journal of Engineering and Applied Sciences, Volume 12(05), page. 1637-1641.ISSN: 1819-6608. (I.F -)
17. R.A. Priyadarshan, N. Parthasarathi, **K.S. Satyanarayanan** and V. Thamilarasu (March 2017), "Study and behaviour of reinforced concrete specimens under various elevated temperatures". International Journal of Civil Engineering and Technology (IJCIET), Volume 8(3), page. ISSN: 0976-6316. (I.F -)
18. N. Parthasarathi, M. Prakash, **K. S. Satyanarayanan** (June 2017), "Experimental study on partial replacement of cement with egg shell powder and silica fume". Rasayan journal of chemistry, Volume 10(2), Page.442 - 449. ISSN: 0976-0083. (I.F -)
19. K. Senthil, **K. S. Satyanarayanan**, and S. Rupali, (2016), "Energy absorption of fibrous self-compacting reinforced concrete system", Adv. Conc. Const., Vol. 4, Issue 1, pp. 37-47.
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24. G.Saranya, S.Muthu Kumar, M.Lakshmipathy, and **K.S.Satyanarayanan** (2016), 'Modeling and Study of Behaviour of Infilled Frames with Different Interface Materials under Static Loading', "Indian journal of science and Technology," Vol. 9, Issue 23, pp. 1-6. [SCI Indexed].
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30. Ramalinga Reddy, **K.S. Satyanarayanan** ,Jaganatha Reddy, N.Parthasarathi (2016), 'Use of Gold Mine Tailings in Production of Concrete-A Feasibility Study,' 'International Journal of Earth Sciences and Engineering, Accepted –June 2016.
31. Gunasekaran K., Prakash Chandar S., **K.S.Satyanarayanan** and Annadurai.R (2016), 'Augmentation of mechanical and bond strength of coconut shell concrete using quarry dust', European Journal of Environmental and Civil Engineering, Accepted Feb 2016.
32. Vasanthi.P, Gopalakrishnan.R and **K.S.Satyanarayanan** (2015), 'Parametric study on brick masonry using finite element method', Disaster Advances, Vol. 08, No 06, pp. 20-32.
33. Ganesan.T.P, Lakshmipathy.M, Thirumurugan.V and **K.S.Satyanarayanan** (2015), 'Experimental Studies on the effects of Different Interface Materials on the Behaviour of Infilled frames', ISTE-SRM International Journal of Civil Engineering, Vol. 01, pp. 49-67.
34. Ramalinga Reddy.B.M, **K.S.Satyanarayanan**, Jagannatha Reddy.H.N (2015), 'Engineering Properties of Masonry Mortars with Gold Mine Tailings as Partial Substitute for Manufactured Sand', International Journal of Earth Sciences and Engineering, ISSN: 0974-5904,Vol. 08, No. 02, pp.120-125.