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## **PUBLICATIONS:**

- 1. Mohandoss P; Radhakrishna G P; **Sengupta A K**(2020)," Effect of compressive strength of concrete on transmission length of pretensioned concrete systems", Structures, Vol.23 ,pp. 304–313
- **2.** Komathi M; **Sengupta A K**(2020), "Seismic performance of strengthened reinforced concrete columns", Structures, Vol.27, pp. 487–505
- **3.** Komathi M; **Sengupta A K**(2020), "Performance of High-Strength Concrete as Jacket Material in Strengthening Applications", Indian Concrete Journal, Vol. 94, pp 5-15
- **4.** Aranha C A; Arun M; and **Sengupta A K**(2019), "Analysis of the Dome of India's Presidential Residence", Structural Analysis of Historical Constructions, Vol. 18, pp. 957–965
- **5.** Aranhaa C A; Arun M; **Senguptab A K**(2019), "Determination of the causative mechanism of structural distress in the presidential palace of India", Engineering Failure Analysis, Vol.95, pp.312–331
- **6.** Resmi G; **Sengupta A K**; Radhakrishna G. P(2019), "An Assessment of the Deterioration of Flexural Capacity of a Pretensioned Concrete Girder Due to Strand Corrosion", Recent Advances in Structural Engineering, Vol. 2, pp.515-525
- **7.** Biswal A; Prasad A M; **Sengupta A K(**2018), "Study of shear behavior of grouted vertical joints between precast concrete wall panels under direct shear loading", Structural Concrete, pp.1-9
- **8.** Komathi; **Sengupta A K**(2018), "Investigation of the behaviour of shear-critical reinforced concrete columns", Indian Concrete Journal, Vol.92, pp. 10-24
- **9.** Komathi M; **Sengupta A K**(2018), "An investigation on shear strength of reinforced concrete columns strengthened by concrete jacketing", Journal of Structural Engineering (India), Vol.45, pp.312-333
- **10. Sengupta A K**; Sarkar S(2016), "Evaluation of seismic vulnerability of multistoreyed buildings having columns of different heights in a storey using pushover analysis", Journal of Structural Engineering (India), Vol. 43, pp. 351-361
- 11. Teja, B S; **Sengupta A K**(2016), "Modelling of framed shear walls for non-linear analyses of reinforced concrete buildings", Indian Concrete Journal, Vol.90, pp. 32-40
- **12.** Komathi M; **Sengupta A K**(2015),"Evaluation of Shear Strength of RC Columns Strengthened by Concrete Jacketing", Advances in Structural Engineering, pp.483-494
- **13.** Biswal, A; Meher P A**; Sengupta A K**(2015), "Investigation of shear behaviour of vertical joints between precast concrete wall panels", Indian Concrete Journal, Vol. 89, pp.41-47

**14.** Mahaja M A; Rao G A; **Sengupta A K**(2015), "Assessment of effective joint width for exterior eccentric reinforced concrete beam-column joints", Journal of Structural Engineering (India), Vol. 42, pp. 87-105