

**DR.S.K.SEKAR**

**List of Publications**

1. Sivakkumar G, Sekar SD, Krishna CG, Reddy NL, 2019, **Fabrication and Analysis of Composite Based Industrial Safety Helmet**, Matrix, vol.6, no.5.
2. Ganesh K, Sekar SK, 2018, **'A Review of Behaviour of Externally Prestressed Beams'**, International Journal of Civil Engineering and Technology, vol.9,no.7, pp.382-389.
3. Vigneshvar R, Hareesh M, Sekar SK, 2017, **'Analysis of Tensile Capacity of Reinforced Concrete Columns and its Ductility Performance towards Seismic Behavior'**, International Journal of Civil Engineering and Technology, vol.8, no.8, pp.798-806.
4. Muthuraj H, Sekar SK, Mahendran M, Deepak OP, 2017, **'Post Buckling Mechanics and Strength of Cold-Formed Steel Columns Exhibiting Local-Distortional Interaction Mode Failure'**, Structural Engineering and Mechanics, vol.64, no.5, pp.621-640.
5. Muthukumar M, Sekar SK, Shukla SK, 2017, **'Swelling and Shrinkage Behaviour of Expansive Soil Blended with Lime and Fibres'**, International Congress and Exhibition, Sustainable Civil Infrastructures.
6. Suganya OM, Sekar SK, 2017, **'Study on the Effect of Nano Silica on Mechanical Properties of Concrete'**, International Journal of Civil Engineering and Technology, vol.8,no.3, pp.292-301.
7. Khanna PA, Kelkar D, Papal M, Sekar SK, 2017, **'Study on the Compressive Strength of Fly Ash based Geo Polymer Concrete'**, IOP Conference Series: Materials Science and Engineering, vol. 263, no.3,pp. 032032.
8. Karthikeyan S, Razak TA, Manivannan A, Sekar SK, Muthukumar PK, 2017, **'Virulence of Xenorhabdus Bovienii and Xenorhabdus Japonica against Cnaphalocrocis Medinalis Guenee'**. Madras Agricultural Journal, vol.104,no.10,pp.359-362.
9. Bambroo V, Gupta S, Bhoite P, Sekar SK, 2017, **'Study on Potential of Carbon dioxide Absorption in Reinforced Concrete Beams'**, MS&E, vol.263, no.3, pp.032033.
10. Anand Khanna P, Kelkar D, Papal M, Sekar SK, 2017, **'Study on the Compressive Strength of Fly Ash based Geo Polymer Concrete'**, MS&E, vol.263, no.3, pp.032032.
11. Vidhya S, Pradeep Kumar R, Hareesh M, Sekar SK, 2017, **' Aerodynamic Profiling of Terminal Building using Computational Fluid Dynamics Approach'**, MS&E, vol.263, no.3, pp.032031.
12. Jayaprithika A, Sekar SK, 2016, **'Stress-Strain Characteristics and Flexural Behaviour of Reinforced Eco-Friendly Coconut Shell Concrete'**, Construction and Building Materials, vol. 117, pp.244-250.

13. Sekar SK, 2016, '**Mechanical and Fracture Characteristics of Eco-Friendly Concrete produced using Coconut Shell, Ground Granulated Blast Furnace Slag and Manufactured Sand**', Construction and Building Materials, vol.103, pp.1-7.
14. Basheerudeen A, Sekar SK, 2016, '**Flexural and Punching Shear Characterization for Self Compacting Concrete Reinforced with Steel Fibres**', International Journal of Civil Engineering and Technology, vol.7, no.5.
15. Thirumurugan S, Sekar SK, 2016, '**Impact Toughness Properties of Polymer Latex Modified Concrete Composites**', Indian Journal of Science and Technology, vol. 9, pp.44.
16. Suganya OM, Sekar SK, 2016, '**Investigation on Enhancing the Compressive Strength of Cement Mortar using Nano SiO<sub>2</sub>**', Asian Journal of Research in Social Sciences and Humanities, vol.6, no.10, pp.1766-1782.
17. Sekar SK, 2016, '**Punching of Slag Based Concrete Incorporating Polymeric and Non- polymeric Fibres**', Polymers and Polymer Composites, vol.24, no.7, pp.573-578.
18. Ravi R, Sekar SK, 2015, '**Physico-Chemical And Mechanical Characterization of Hydraulic Mortars containing Cissus Glance Roxb as a Bio-Admixture for Restoration Applications**', Journal of Structural Engineering, vol.42, no.4, pp.305-313.
19. Sekar SK, 2015, '**Comparative Assessment of Impact Toughness Behavior of Hybrid Fiber Reinforced Concrete**', International Journal of Civil and Structural Engineering, vol.12, no.2, pp.132-136.
20. Sekar SK, 2015, '**Interaction Effects of Composite Fibres in a Carefully Designed Slag Based Concrete Matrix**', International Journal of Applied Engineering Research, vol.10, no.19, pp.40371-40378.
21. Sekar SK, 2015, '**Synergistic Interaction of Polypropylene and Steel Fibre in a Slag Based Concrete Matrix**', Building Engineer, vol.90, no.11, pp.26-28.
22. Thirumalini S, Ravi R, Sekar SK, Nambirajan M, 2015, '**Knowing from the Past—Ingredients and Technology of Ancient Mortar used in Vadakumnathan Temple, Tirussur, Kerala, India**', Journal of Building Engineering, vol.4, pp.101-112.
23. Thirumalini S, Sekar SK, 2015, '**Bio-Inorganic Composites as Repair Mortar for Heritage Structures**', Journal of Structural Engineering, vol.42, no.4, pp.294-304.
24. Vikram J, Sekar SK, 2015, '**Enhancement of Concrete Sustainability under Temperature Variation using Hybrid Fibre Reinforcement**', Indian Journal of Science and Technology, vol.8, pp.28.
25. Harish EL, Karthikeyan S, Sekar SK, 2015, '**Corrosion Inhibition of Reinforcing Steel in Simulated Concrete Pore Solution-An Ecofriendly Approach**', Int J Chem Tech Research, vol.7, pp.20033-2006.