


## Faculty Profile

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**About me:** I am T. H. Sadashiva Murthy, a faculty member specializing in Structural Engineering with over three decades of academic and research experience. I completed my M.E. in Structural Engineering from the Indian Institute of Science (IISc), Bengaluru, and my B.E. from the National Institute of Engineering (NIE), Mysuru. Over the course of my career, I have accumulated 36 years of teaching experience in the field of civil and structural engineering. My academic interests focus on advancing knowledge in structural analysis, design, and engineering applications. I have actively contributed to the research community with 16 publications in international journals, and I have presented my work in 08 international conferences and seminars as well as participated in 30 Workshops. In addition to my academic responsibilities, I have also undertaken several consultancy projects, applying engineering expertise to practical structural design and analysis challenges.

### **Qualification:**

M.E. (IISc, B'luru), B.E. (NIE, Mysuru),

### **Courses Taught:**

- i. Strength of Materials (UG)
- ii. Advanced RCC Structures (UG)
- iii. Engg. Mechanics (UG)
- iv. Fundamental & Structural Analysis (UG)
- v. Analysis of Indeterminant Structure (UG)
- vi. Design of storage structures (PG)

### **Publications:**

#### **Journal Publications**

1. **T.H. Sadashiva Murthy**, "Split tensile strength of steel fibre-reinforced concrete with fly ash and silica fume as binary and ternary blends under chloride curing' International Journal of Civil Engineering Research, Vol 5, No.4, Jan 2014, pp.379-384(IJ)
2. Allasab Gudihal and **T.H. Sadashiva Murthy**, "A review on seismic analysis of vertical geometric irregularities of buildings", National conference on Advances in Civil Engineering & Infrastructure Development (ACEID-2014), Vasavi college of Engineering, Hyderabad, Feb6-7th, 2014, pp.103-106 (NC)

3. Allasab Gudihal and **T.H. Sadashiva Murthy**, “ Fundamental Time period of RC building frames on sloping ground”, International conference on Advances in sustainable technologies in Civi’ Engineering(ICASMITCE-2014) Dec 5th & 6th , 2014. (IC)
4. 12 Pramod Desai and **T.H.Sadashiva Murthy**, “ Structural Behaviour of Multistoried Structure with shear wall subjected to seismic excitation”, Journal of Civil Engineering and Environmental Technology, ISSN 2349-8404, Vol 2, No.5 April –June 2015 pp:412-416. (NJ)
5. **T.H.Sadashiva** Murthy and Chandrashekara Patel H.N., “Analysis of support settlement of telecommunication tower subjected to a lateral loads”, International Journal of Emerging technology and Advanced Engineering , ISSN 2250-2459, ISO 9001:2008 certified Journal, Vol 5, Issue 5, May 2015.(IJ)
6. **T.H.Sadashiva Murthy** & Vijayashree M., “Influence of support systems on structural behaviour of cylindrical shells”, International Journal of Engineering Research & Technology (IJERT) ISSN 2 278-0181, Vol 4, Issue 07, July 2015 (IJ)
7. 15 R. Thanay Kumar & **T.H.Sadashiva Murthy**, “ Behaviour of shear wall slab junction with SFRC subjected to in plane bending”, International Journal of Research in Engineering and Applied Science (IJREAS) Vol. 6, issue 6, June 2016. (IJ)
8. N.Arun Kumar & **T.H.Sadashiva Murthy**, “ Probability of failure of building with various MCR values at beam-column joint in regular and irregular building”, International Journal of Research in Engineering and Applied Science (IJREAS) Vol. 6, issue 6, June 2016. (IJ)
9. N.Arun Kumar & **T.H.Sadashiva Murthy**, “Effect of masonry infill on moment capacity ratio at beam –column joint subjected to seismic loading”, International Journal of Research in Engineering and Applied Science (IJREAS) Vol. 6, issue 6, June 2016. (IJ)
10. Meghana B.S. & **T.H.Sadashiva Murthy**, “ A comparative study on behaviour of RC and composite structure with and without floating column subjected to seismic loading in zone V”, International Journal of Research in Engineering and Applied Science (IJREAS) Vol. 6, issue 6, June 2016. (IJ)
11. Meghana B.S. & **T.H.Sadashiva Murthy**, “ Comparison of Linear static analysis and construction sequence analysis on multystorey building with RC floating column resting on RC and composite transfer girders”, International Journal of Engineering Trends and Technology (IJETT) Vol.36, No.7, June 2016. (IJ)
12. Meghana B.S. & **T.H.Sadashiva Murthy**, “ Effect of floating column on the behavior of composite multistoried building subjected to seismic load”, International Research Journal of Engineering and Technology (IRJET), Vol 03, issue 06, June 2016. e-ISSN:2395-0056. (IJ)
13. **T.H.Sadashiva Murthy**, Achyuth R.B, Sujith S, Manjunath S.B, Varadamurthy Acharya B, “ Water Absorption and sorptivity of masonry blocks using soil, phosphogypsum and stabilized with different additives, International Journal of Emerging Technology and advanced engineering, Vol 6, Issue 7, July 2016. (IJ)

14. **T.H.Sadashiva Murthy**, Achyuth R.B, Sujith S, Manjunath S.B, Varadamurthy Acharya B,” Behaviour of masonry blocks using soil phosphogypsum and stabilized with different additives under compression and impact”, International Research Journal of Engineering and Technology (IRJET), Vol 03, Issue 07, July 2016. (IJ)
15. **T.H.Sadashiva Murthy**, Vijayashree M., “Influence of support systems on the structural behavior of cylindrical shells:, International Journal for scientific research and development vol.5, issue 07, 2017/ ISSN (online):2321-0613. (IJ)
16. **T.H.Sadashiva Murthy**, Adithi Simha J, Hemanth Kumar H, Krishna Abhilash, kartik Madhyasta, “Influence of synthetic polymer on fresh and hardened properties of PSC concrete with partial replacement of coarse aggregate by cinder aggregate, International Research Journal of Engineering and Technology Vol. 05, Issue 12, Dec 2018. (IJ)

### **Conference Proceedings**

1. **T.H. Sadashiva Murthy**, R. Ambalavanan, A brief review on durability of SFRC, ICFRC - National Seminar on High performance concrete, SERC, Chennai, Dec 2000. (NC)
2. **T.H. Sadashiva Murthy**, R. Ambalavanan; Flyash and silicafume as binary and ternary blends in cement composites, National Seminar on sustainable Habitat, Aug 2003. (NC)
3. **T.H. Sadashiva Murthy**, R. Ambalavanan, Influence of fineness of flyash on Compressive strength of mortar, ADCONST 2003, Annamalai University, Dec,2003.
4. **T.H. Sadashiva Murthy**, R. Ambalavanan, Static and Fatigue behaviour of RC beams incorporating steel fibres in addition to flyash and silicafume as binary and ternary blends; ICFRC – International conference on FRC, Chennai January 2004. (IC)
5. **T.H. Sadashiva Murthy**, R. Ambalavanan, Steel fibre pull-out behaviour under chloride and sulphate environment, ICFRC-International conference on FRC, Chennai, Jan 2004. (IC)
6. **T.H. Sadashiva Murthy**, R. Ambalavanan, ‘Flexural Behaviour of SFRC Beams with Fly ash and Silica Fume as Binary and Ternary Blends’, The first international conference of Asian Concrete Federation’ held in Chiang Mai, Thailand on 28-29th October 2004. (IC)
7. **T.H. Sadashiva Murthy** and R. Ambalavanan, ‘Corrosion Studies on SFRC with Fly ash and Silica Fume as Binary and Ternary Blends under Accelerated Exposure Conditions’, The First International Conference of Asian Concrete Federation’ held in Chiang Mai, Thailand on 28-29th October 2004. (IC)
8. **T.H. Sadashiva Murthy** “Compressive Strength of Steel Fibre Reinforced Concrete with Fly Ash and Silica Fume as Binary and Ternary Blends”, National Conference on Advances in Engineering and Technology-2013 (NCAET-2013), Ekalavya institute of technology. Ummatthur, Chamarajanagar November 7th , .2013, pp.227-231. (NC)

**Other Achievements:**

1. Recycled Brick Powder Composition for Masonry block and a method for synthesising the same. **Patent No. 368967**, granted date 10/06/2021.
2. **Professional Membership**
  - a. Indian Society for Technical Education
  - b. Association of Consulting Civil Engineers (India), Mysuru Chapter

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