

PADAVALA SIVA SHANMUKHA ANJANEYA BABU

padavalasivashanmukha@gmail.com | (+91) 9966527355 | Machilipatnam, Andhra Pradesh, India

PROFESSIONAL SUMMARY

To enhance my professional skills in a dynamic and stable work place and to use my skills in the best possible way in teaching profession.

WORK EXPERIENCE

Seshadri Rao Gudlavalleru Engineering College | Gudlavalleru, Andhra Pradesh, India
Assistant Professor | October 2014 – Present

EDUCATION

PhD, GITAM (Deemed to be University)	June, 2024
M.TECH(SE & NDM), GITAM (Deemed to be University)	August, 2014
B. TECH(CIVIL), P.V.P Siddhartha Institute Of Technology (JNTUK)	April, 2012
Intermediate, Sri Chitanya Junior College	April, 2008
SSC, Amaleswari Vidyaniketan	April, 2006

SKILLS

- Auto CAD
- STAAD Pro

WORKSHOPS ATTENDED AND ORGANIZED

- Attended one day work shop on “Structural Engineering Solutions Using STAAD-PRO” organized by V.R.Siddhartha Engineering College.
- Attended two weeks training in ISTE STTP on "Introduction to Structural Engineering”.
- Attended one week refresher course on "Finite Element Analysis”.
- Attended one week faculty development programme on "Advancements in Construction Materials”.
- Attended one week faculty development programme on "Design of Structures - A Practical Approach”.
- Received two weeks training in ANSYS from Gudlavalleru engineering college.
- Organized a one-week training programme on “Hands on experience with total station”.
- Organized a Guest Lecture on "Digital Transformation: A New Industrial Revolution”.
- Organized three days student development programme on “Technological Revolutions in Civil Engineering”.

PUBLICATIONS

- “Removal of chlorides and hardness from contaminated water by using various biosorbents: A comprehensive review” Water-Energy Nexus, 2024 Dec 1;7:39-76.
- “Sustainable concrete development towards the eco-friendly construction: Enhancing the strength and durability by using fly ash and silica fume” Journal of Building Pathology and Rehabilitation, 2024 Jun;9(1):50.(SCOPUS)
- “Experimental study on concrete by partial replacement of cement with fly ash and coarse aggregates with palm kernel shells (Pks) and with addition of hybrid fibers” Chemistry of Inorganic Materials, 2024 Apr 1;2:100033.

- “Degradation of plastics waste and its effects on biological ecosystems: A scientific analysis and comprehensive review” *Biomedical Materials & Devices*, 2024 Mar;2(1):70-112.
- “Material estimation and energy analysis for a domestic building using Revit architecture and insight: a sustainable approach” *Asian Journal of Civil Engineering*, 2024 Feb 14:1-7.(**SCOPUS**)
- “Utilization of Various Types of Biosorbents for Removal of Nitrites from Water” *Biomedical Materials & Devices*, 2024 Feb 5:1-22.
- “Bond strength of fly ash and silica fume blended concrete mixes” *Asian Journal of Civil Engineering*, 2024 Jan;25(1):895-909.(**SCOPUS**)
- “Evaluate the use of flower waste biosorbents for treatment of contaminated water” *Water-Energy Nexus*, 2023 Dec 1;6:187-230.
- “Recycling of e-waste materials for controlling the environmental and human health degradation in India” *Green Analytical Chemistry*, 2023 Dec 1;7:100085.(**SCOPUS**)
- “Performance evaluation of ternary blended cement concrete partially replacement of natural sand with granite quarry dust” *Hybrid Advances*, 2023 Dec 1;4:100082.
- “Performances of plant leaf biosorbents for biosorption of phosphorous from synthetic water” *Cleaner Materials*, 2023 Jun 1;8:100191.(**SCOPUS**)
- “Renewable energy present status and future potentials in India: An overview” *Innovation and Green Development*, 2022 1 (1): 100006.(**SCOPUS**)
- “Experimental investigation on tobacco waste ash for sustainable development” *IOP Conference Series: Earth and Environmental Science*, 2022 Sep 1 (Vol. 1086, No. 1, p. 012057), IOP Publishing.(**SCOPUS**)
- “Comparative analysis of strength and deformation characteristics of clayey soil, when treated with fly ash and ground granulated blast furnace slag” *IOP Conference Series: Earth and Environmental Science*, 2022 Sep 1 (Vol. 1086, No. 1, p. 012022), IOP Publishing.(**SCOPUS**)
- “Performance evaluation of mechanical and durability properties of fly ash and silica fume based concrete for sustainable building material” *Transdisciplinary Journal of Engineering & Science*, 2022 May 19;13.(**SCOPUS**)
- “Mechanical properties of ternary blended mix concrete of fly ash and silica fume” *Materials Today: Proceedings*, Volume 43, Part 2, 2021, ISSN: 2214-7853.(**SCOPUS**)
- “A study on treatment and prevention of structural cracks in RC elements” *International Journal of Research and Analytical Reviews (IJRAR)*, Volume 7, Issue 2, April 2020, ISSN 2349-5138.
- “Significance of Silica Fume and Glass Fiber on the Mechanical Properties of Recycled Aggregate Concrete” *International Journal of Science and Research (IJSR)*, Volume 6, Issue 5, May 2017, ISSN: 2319-7064.
- “Effect of Recycled Aggregate along with Glass Fiber and Fly Ash on Concrete Properties” *International Journal of Science and Research (IJSR)*, Volume 6, Issue 5, May 2017, ISSN: 2319-7064.
- “Significance of Silica Fume on the Mechanical Properties of Recycled Aggregate Concrete” *International Journal of Science and Research (IJSR)*, Volume 5, Issue 6, June 2016, ISSN: 2319-7064.
- “Influence of Fly Ash on the Performance of Recycled Aggregate Concrete” *International Journal of Science and Research (IJSR)*, Volume 5, Issue 6, June 2016, ISSN: 2319-7064.
- “The Sound of Hudhud” *IJREAT International Journal of Research in Engineering & Advanced Technology*, Volume 3, Issue 6, Dec -Jan, 2016, ISSN: 2320 – 8791.