

Dr. Vishal Puri
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Research Interests:

Sustainable Concrete Structures, Low Cost Housing, Bamboo based Structures, Green building materials, Plastic based Concrete

Academic Credentials

- *Doctor of Philosophy PhD* - **Indian Institute of Technology (IIT)**, Patna, India,
- *Master of Engineering M.E (Structures)* - **BITS Pilani**, Pilani, Rajasthan, India,
- *Bachelor of Technology B.Tech (Civil)* - **VIT University**, Vellore, Tamil Nadu, India

Subjects Taught: *Building Materials, Design of reinforced concrete structures, Sustainable construction practices, Environmental Management & Sustainable Development, Concrete Technology, Green Materials.*

Professional Experience

- Assistant Professor – Department of Civil Engineering, JCBUST YMCA - Haryana State Government University, Faridabad, Haryana, India (February 2020 - Present).
- Assistant Professor – Department of Civil Engineering, Amity University – Noida, Uttar Pradesh, India (July 2018 – January 2020).
- Assistant Professor - Galgotia College of Engineering and Technology – Greater Noida, Uttar Pradesh, India (January 2013 – June 2013).
- Assistant Professor - Krishna Institute of Engineering and Technology (KIET), Ghaziabad, India (July 2012 – December 2012).

Reviewer of Journals

- Journal of Building Engineering, Elsevier.
- The Open Construction & Building Technology Journal, Bentham Open.
- Indian Journal of Engineering & Materials Sciences, Nisclair.
- Heritage, MDPI

List of Publications

- **Puri, V.**, Chakraborty, P., & Majumdar, S. (2022). Performance assessment of bamboo bond strength in cement–fly ash mortar. *Proceedings of the Institution of Civil Engineers-Structures and Buildings*, 1-16. (**Impact Factor – 1.6**)
- **Puri, V.**, Kumar, S., Grover, K., & Sharma, M. (2022, July). Development of Eco-Friendly Bricks for Sustainable Construction. In *IOP Conference Series: Materials Science and Engineering* (Vol. 1248, No. 1, p. 012109). IOP Publishing.
- **Puri, V.**, and Chakraborty, P., and Anand, S. (2019). Flexural behavior of bamboo-reinforced wall panels with varying fly ash content. *Magazine of Concrete Research*, ICE, U.K. (**Impact Factor – 2.026**)
- Dixit, A., and **Puri, V.** (2019). Bamboo Bonding in Concrete: A Critical Review. *International Journal of Innovative Technology and Exploring Engineering*, 8, 323-331. (**Scopus Indexed**).
- Chakraborty, P., Kumar, U., and **Puri, V.** (2018). Seismic site classification and liquefaction hazard assessment of Jaipur city, India. *Indian Geotechnical Journal*, Springer, 1-12. (**Impact Factor – 1.5**)
- **Puri, V.**, Chakraborty, P., Anand, S., and Majumdar, S. (2017). Bamboo reinforced prefabricated wall panels for low cost housing. *Journal of Building Engineering*, Elsevier, 9, 52-59. (**Impact Factor – 6.7**)
- Ravish, S., **Puri, V.**, Kumari, A., Priya, A., Khan, A., & Singh, A. (2023, October). A Critical Review of Used Polymers in the Soil Stabilization: the Global Experiences and Future Perspective. In *International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering* (pp. 105-117). Singapore: Springer Nature Singapore.
- **Puri, V.**, Ravish, S., Grover, K., Prachi, & Kumari, K. (2023, October). Review of Non-potable Water Applications for Sustainable Concrete Development. In *International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering* (pp. 119-135). Singapore: Springer Nature Singapore.
- **Puri, V.** (2021). Bamboo as a Building Material for Climate Change Mitigation. In *Bioenergy Engineering* (pp. 269-277). CRC Press.
- **Puri, V.**, and Chakraborty, P. (2017). Behavior of sustainable prefabricated bamboo reinforced wall panels under concentrated load. In *International Conference on Sustainable Infrastructure*, ASCE. New York, USA
- **Puri, V.**, and Chakraborty, P. (2017). Policy issues in affordable housing made with bamboo reinforced structural component, In *urbanization challenges in emerging economies*, ASCE. IIT Delhi, New Delhi, India.
- **Puri, V.**, and Chakraborty, P. (2016). Performance of prefabricated wall panel under wind loading, In *Eighth national Conference on wind engineering*, IIT (BHU), Varanasi, India.
- **Puri, V.**, Chakraborty, P., and Majumdar, S. (2015). A review of low cost housing technologies in India. In *advances in structural engineering*, Springer. New Delhi.

Book Editor

- Advances in Environmental Science & Engineering, Kripa Drishti Publications, Pune, India (ISSN No. 978-93-90847-18-1)

Sessions Chaired / Conference Organized

- Session Chair, *International Conference on Advances in Civil Engineering* (ICACE 2022), Chandwad, India
- National Conference on *Advances in Civil Engineering & Environmental Sciences* (ACEES – 2021), JC Bose University of Science & Technology YMCA, Faridabad India

FDP/Workshops Organized

- One week FDP on *Research & Innovations in Engineering*, J.C Bose University of Science & Technology YMCA, February 2022
- One week FDP on *Research Writing & Professional Ethics*, J.C Bose University of Science & Technology YMCA, September 2021
- One week FDP on *Green Technologies and Environmental Sustainability (GTES-2020)*, J.C Bose University of Science & Technology YMCA, September 2020
- One week FDP on *Technological Industrial Practices*, J.C Bose University of Science & Technology YMCA, June 2020
- Workshop on *BIS Guidelines for Construction*, J.C Bose University of Science & Technology YMCA, Feb 2020

Memberships

- Lifetime Membership, Indian Concrete Institute (ICI)