

Dr. Vishal Puri
(Ph.D, M.E, B.Tech)

Research Interests:

Sustainable Infrastructure, Low Cost Housing, Bamboo based Structures, Green building materials.

Academic Credentials

- *Doctor of Philosophy PhD*
Indian Institute of Technology (IIT), Patna, India
- *Master of Engineering M.E (Structures)*
BITS Pilani, Pilani, Rajasthan, India
(GOI -Institute of Eminence)
- *Bachelor of Technology B.Tech (Civil)*
VIT University, Vellore, Tamil Nadu, India
(NIRF – RANK 9)

Reviewer of Journals

- Journal of Building Engineering, Elsevier.
- The Open Construction & Building Technology Journal, Bentham Open.
- Indian Journal of Engineering & Materials Sciences, Niscair.
- AEEIE JOURNAL.

Research Projects

- ***Startup Research Grant Project***, “Numerical Analysis of Bamboo reinforced concrete prefabricated wall” sponsored by JCBUST YMCA.

List of Publications

- Puri, V., Chakraborty, P., Performance assessment of bamboo bond strength in cement–fly ash mortar, *Structures and Buildings*, (in-Press), ICE, UK (2022) (**Impact Factor: 1.533**).
- 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: 2.46**).
- 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: 7.14**).
- 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: 1.393**).
- 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. (2021). Bamboo as a Building Material for Climate Change Mitigation. In *Bioenergy Engineering* (pp. 269-277). CRC Press.
- Kumar S, Yadav S and Puri V. (2021). IOT Based Smart Parking Facility, In National Conference on Advances in Civil Engineering and Environmental Sciences, JCBUST YMCA, Faridabad, India.
- Kumar S, Puri V and Aggarwal ML. (2021). Review of Sustainable Building Materials For Construction Industry, In ICACCG2020, Ansal University, Gurgaon, India.
- Dixit, A., and Puri, V. (2019). Bamboo Bonding in Concrete: A Critical Review. *International Journal of Innovative Technology and Exploring Engineering*, 8, 323-331.
- 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.
- 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.

Book Edited

- Advances in Environmental Science & Engineering (2021), Kripa Drishti Publications, Pune.

Conference Organized

- **Organizing Secretary**, National Conference on *Advances in Civil Engineering and Environmental Sciences* (14-15 Jan, 2021) at JCBUST YMCA.

List of Faculty Development Programs Organized

- **Organizing Secretary**, Faculty Development Program on Technological Industrial Practices (1-6 June, 2020) sponsored by TEQIP III.
- **Organizing Secretary**, Faculty Development Program on Green Technologies and Environmental Sustainability (7-12 Sept, 2020), sponsored by TEQIP III.
- **Organizing Secretary**, Faculty Development Program on Research Writing and Professional Ethics (7-13 Sept, 2021).
- **Organizing Secretary**, Faculty Development Program on Research and Innovations in Engineering (7-12 Feb, 2022), sponsored by AICTE.

Professional Training Received

- **Faculty Induction Programme** (18 may–16june,2022) organized by Guru Jambheshwar University of Science & Technology, Hisar.
- **Innovation Ambassador Training**, (30June – 30 July, 2021) organized by MoE's Innovation Cell & AICTE.
- **Advanced Level, Innovation Ambassador Training**, organized by MoE's Innovation Cell & AICTE.

AWARDS

- ***Best Paper Award, for Review of Sustainable Building Materials For Construction Industry,*** In ICACCG2020, Ansal University, Gurgaon, India.
- ***Best Paper Award, for IOT Based Smart Parking Facility,*** In National Conference on Advances in Civil Engineering and Environmental Sciences, JCBUST YMCA, Faridabad, India.