

Kunamineni Vijay

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Biography

Kunamineni Vijay received his master's degree in Structural Engineering from JNTU Anantapur, and his PhD from National Institute of Technology Raipur.

His Areas of interest are Bacterial concrete, use of marginal materials in concrete for their higher utilization, and Fiber reinforced concrete.

Awards & Honors

1. Best student paper award at National conference held at NIT Raipur, 2019.
2. Best student paper award at International Conference held at SRIT Anantapur, 2018.

Selected Publications

1. K. Vijay and M. Murmu, "Effect of calcium lactate and *Bacillus subtilis* bacteria on properties of concrete and self-healing of cracks," *Int. J. Struct. Eng.*, vol. 10, no. 3, pp. 20–22, 2020.
2. K. Vijay and M. Murmu, "Self - repairing of concrete cracks by using bacteria and basalt fiber," *SN Appl. Sci.*, vol. 1, pp. 1–10, 2019.
3. K. Vijay and M. Murmu, "Effect of calcium lactate on compressive strength and self-healing of cracks in microbial concrete," *Front. Struct. Civ. Eng.*, pp. 1–11, 2018.
4. K. Vijay and M. Murmu, "Experimental Study on Bacterial Concrete using *Bacillus Subtilis* Micro-Organism," in *Emerging Trends in Civil Engineering*, K. G. Babu, H. S. Rao, and Y. Amarnath, Eds. Springer, Singapore, 2018, pp. 245–252.
5. K. Vijay, M. Murmu, and S. V. Deo, "Bacteria based self healing concrete- A review," *Constr. Build. Mater.*, vol. 152, pp. 1008–1014, 2017.