

1. Personal Information

- **Name:** Dr. Akshaykumar Motilal Bhoi
- **Position:** Assistant Professor.
- **Department:** Department of Civil Engineering.
- **Contact Information:**

E-mail: ambhoi@sggs.ac.in,

Location: Civil Engineering Laboratory,

Phone: +91-9168527700.



2. Educational Background

- **Degrees:**
Ph.D. Civil Engineering (Structural Engineering), Sardar Vallabhbhai National Institute of Technology, Surat, 2020
M. Tech. Structural Engineering, Sardar Vallabhbhai National Institute of Technology, Surat, 2012
BE Civil Engineering, Pune University, 2009.
- **Postdoctoral Experience:** --
- **Certifications:** --

3. Research Interests

- **Areas of Expertise:** Concrete Technology, Sustainable construction materials, Waste utilization, nano-technology in civil engineering, Concrete 3D-printing.
- **Ongoing Projects:** --
- **Interdisciplinary Work:** --.

4. Teaching Experience

- **Courses Taught:-**Structural Design & Drawing-III, Engineering Mechanics, Concrete Technology, Advanced Concrete Technology, Advanced structural Analysis.
- **Course Development:** --.

5. Publications and Presentations

- **Journal Articles:**

- a) Feasibility assessment of incorporating copper slag as a sand substitute to attain sustainable production perspective in concrete, AM Bhoi, YD Patil, HS Patil, MP Kadam, Advances in Materials Science and Engineering 2018 (1), 6502890
 - b) Properties of sustainable mortar with copper slag as fine aggregate, A M Bhoi and Y D Patil, International Journal of Civil Engineering and Technology (IJCIET), 9 (12), 315-322
 - c) Employing copper slag and pet polymer in self-compacting concrete, S Waysal, YD Patil, BZ Dholkiya, AM Bhoi, Materials Today: Proceedings 93, 515-521
 - d) Influence of coal bottom ash and copper slag as a fine aggregate substitute on the characteristics of mortar, AM Bhoi, YD Patil, SM Waysal, Materials Today: roceedings 93, 522-529
 - e) Critical review on biopolymer composites used in concrete, PD Aher, YD Patil, SM Waysal, AM Bhoi, Materials Today: Proceedings
- **Conference Papers:**
 - a) Sustainable self compacting concrete using PET resin and copper slag, Satish Waysal, Yogesh Patil, Bharat Dholkiya, and A M Bhoi, Advances in construction technology and management - 2021
 - b) Sustainable Mortar Production by utilizing Post Consumed PET waste and Copper slag, Satish Waysal, Yogesh Patil, Bharat Dholkiya, and A M Bhoi, Advances in Structural Technologies 2019
 - c) Properties of sustainable concrete using copper slag at varying cement content, A M Bhoi and Y D Patil, Advances in structural technologies, 2019
 - **Editorial Work:** Work as reviewer Elsevier journals.

6. Awards and Honors

- **Grants:** --
- **Awards:** --
- **Fellowships:** --

7. Professional Experience

- **Administrative Roles:** Associate Dean Planning.
- **Industry Collaboration:** --
- **Consulting Work:** Consulting experience in structural engineering.

8. Supervision and Mentoring

- **PhD/Master's Supervision:** --

9. Professional Memberships

- **Associations:** IEEE

10. Miscellaneous

- **Languages:** English
- **Skills:** Technical or specialized skills in research methods, software, or tools.
- **Personal Interests:** --.