

## CURRICULUM VITAE

# MANJUNATH B

Department of Civil Engineering

Email: [manjunathb@sjec.ac.in](mailto:manjunathb@sjec.ac.in), [mbharadwaj2606@gmail.com](mailto:mbharadwaj2606@gmail.com)

Ph. No: +91 9481818485

Google Scholar link:

<https://scholar.google.com/citations?user=7AVVYNMAAAAJ&hl=en>

ORCID ID: 0000-0002-6202-5807



### Professional Summary

I am a passionate and results-driven researcher with a strong background in sustainable construction materials. I have combined my academic excellence with hands-on experience to develop a solid foundation in Civil Engineering. My proven ability to conceptualize and execute innovative research projects demonstrates my keen aptitude for problem-solving and my commitment to pushing the boundaries of knowledge. I am eager to contribute my expertise and drive groundbreaking discoveries in a dynamic research environment.

### Teaching Experience:

**2014. July - Till date:** Assistant professor, St Joseph's Engineering College, Vamanjoor, Mangaluru, Karnataka, India.

### Research Publications:

- Manjunath, B.**, Ouellet-Plamondon, C.M., Das, B.B. and Bhojaraju, C\*., 2023. *Potential utilization of regional cashew nutshell ash wastes as a cementitious replacement on the performance and environmental impact of eco-friendly mortar.* **Journal of Building Engineering**, 66, p.105941.
- Manjunath, B.**, Di Mare, M., Ouellet-Plamondon, C.M. and Bhojaraju, C\*., 2023. *Exploring the potential use of incinerated biomedical waste ash as an eco-friendly solution in concrete composites: A review.* **Construction and Building Materials**, 387, p.131595.
- Manjunath, B.**, Bhagithimar, Y., Das, B.B. and Bhojaraju, C., 2024. *Development of sustainable conductive cementitious composite using graphite-coated spent catalyst waste.* **Journal of Building Engineering**, p.109864.
- Balasubramanya Manjunath**, Seyed Sina Mousavi, Yajnheswaran Bhagithimar, Chandrasekhar Bhojaraju, 2023. *Study on the performance of hydrophilic curing agent and environmentally friendly non-pozzolanic filler for the development of self-curing self-compacting concrete.* **Environmental**

**Science and Pollution Research** (Revision - Under Review).

### Conferences Participated:

1. **Balasubramanya Manjunath**, and Chandrasekhar Bhojaraju, 2022, presented a paper at the International Conference on *Effective and sustainable use of GGBS and Granite residues in concrete with bottom ash substitute of fine aggregate* in SJEC, Mangaluru, India, from 23 to 25 September 2022.
2. Yajneswaran Bhagithimar, **Balasubramanya Manjunath**, and Chandrasekhar Bhojaraju, 2022, presented a paper at the International Conference on Development of Low-Cost Conductive Cementitious Composite using Spent Petroleum Catalyst in SJEC, Mangaluru, India, from 23 to 25 September 2022.

### Current projects:

1. Utilization of mine tailings waste as a precursor in the alkali-activated concrete.
2. Application of cashew nutshell ash as a sustainable alkaline activator in one-part alkali-activated mortar.
3. Utilization of regional agricultural waste as a biochar in cementitious composites.
4. Exploring the potential of treated coffee cherry waste as a Sustainable construction material.
5. Hazardous wastes as a precursor in the alkali-activated mortar.

### Other Relevant Information:

1. Worked as an organizing secretary for the international conference on “Novel Sustainable Concepts and Technologies in Civil Engineering (NSCTCE 2022).”
2. Apart from academics and research work, also worked on various research-based consultancy projects.

### Education:

**2012 – 2014:** M. Tech. in Computer Aided Design of Structures, Autonomous under Visvesvaraya Technological University, PESCE, Karnataka, India.

Grade: CGPA 9.55

**2007 – 2011:** B. E. in Civil Engineering, NIE, Karnataka, India.

Grade: CGPA 8.50

## M.Tech and B.E. Projects:

**2013 – 2014:** Project research with Prof. H S Suresh Chandra, Department of Civil Engineering, PESCE, Karnataka, India.

**Thesis:** “Investigating the workability and strength of concrete mixes with the presence of Flaky aggregates.”

**2010–2011:** Project research with Prof. Yusuf Javed, Department of Civil Engineering, NIE, Karnataka, India.

**Thesis:** “Rainfall-runoff analysis of Cauvery River sub-basin at Kushalnagar.”

## References:

### 1. Dr ESTR Chandrasekhar B

Department of Civil Engineering

Associate Professor

St Joseph Engineering College, Vamanjoor, Mangaluru

E-mail: [chandrasekhar.b@sjec.ac.in](mailto:chandrasekhar.b@sjec.ac.in)

Ph.No. + 91 8885521998

### 2. Prof. Claudiane Ouellet Plamondon

Department of Construction Engineering,

ETS Montreal, University of Quebec

E-mail: [claudiane.Ouellet-Plamondon@etsmtl.ca](mailto:claudiane.Ouellet-Plamondon@etsmtl.ca)

## Personal Information:

Date of Birth	:	26/04/1990
Father's Name	:	Balasubramanya N
Mother's Name	:	Suma
Nationality	:	Indian
Marital Status	:	Married
Spouse Name	:	Roopalekha N
Hobbies	:	Playing cricket, Singing, Travelling
Language known	:	English, Hindi, Kannada

## Declaration

I hereby declare that the above information provided is true to the best of my knowledge.

**(Manjunath B)**