

MANJUNATH R B.E, M.Tech, (Ph.D).

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Academic Background

Class	University	Institution	Year of Passing	CGPA / Percentage
Ph.D* (Civil Engineering)	NITK	National Institute of Technology Karnataka, Surathkal, Mangalore	*Thesis Submitted Oct 30, 2019	9.0
M.Tech (Construction Technology)	VTU	BMS College of Engineering, Bangalore	2014	88 (3 rd Rank)
B.E (Civil Engineering)	BU	University Visvesvaraya College of Engineering, Bangalore (UVCE)	2012	77
DILPOMA IN CIVIL ENGG	DTE	S.J.(Govt) Polytechnic Bangalore	2007	66
SSLC	State Board	Sri Vani Education Center, Rajjinnagar, Bangalore	2001	78

Work Experience: 7 Years (Industry, Teaching and Research)

I was working as a Research Scholar, Dept. of Civil Engineering, NITK, Surathkal, Mangalore for 3 Years during the period 2016 - 2019.

I was working as an Assistant Professor, Dept. of Architecture (Structural Engg division). BMSCE, Bangalore for 1 Year during the period 2015 - 2016.

I was working as an Assistant Professor, Dept. of Civil Engg., NMIT, Bangalore for 1 Year during the period 2014 - 2015.

I was working as a Part Time Lecturer in various Polytechnics for 1 Year during the period (2014 - 2016).

I was working as a Project Engineer in Protech Engineers Bangalore Pvt Ltd for 1 Year during the period 2007 - 2008.

I was working as a Project Engineer in JMC (India Pvt.Ltd) for 1 Year during the period 2008 - 2009.

Subjects Taught for UG, PG and during Ph.D. course

UG courses- Elements of civil engineering, Strength of material, Building materials, Estimation and Costing, Structural Analysis, Water supply engineering.

UG laboratory- Constriction and building materials lab, Surveying lab.

Guided PG projects: 2

1. Studies on Bagasse ash based self-compacting concrete mixes.
2. Studies on fly-ash based geopolymer concrete mixes with partial replacement of SCBA and GGBFS.

Publications in International/ National Journals and Conferences

1. **Manjunath. R**, Mattur C. Narasimhan, Umesh K.M, Shivam Kumar and Bala Bharathi U.K. "Studies on development of high performance, self-compacting alkali activated slag concrete mixes using industrial wastes", **Construction and Building Materials, Elsevier**, Vol 198, 2019, pp. 133 - 147. - **SCI INDEXED**. Impact Factor: 4.0

2. **Manjunath. R**, Mattur C. Narasimhan and Umesha K.M, "Studies on High Performance Alkali Activated Slag Concrete Mixes subjected to aggressive environments and sustained elevated temperatures", **Construction and Building Materials, Elsevier**, Vol 239, 2019, pp 1-19. - **SCI INDEXED**. Impact Factor: 4.0

3. **Manjunath. R** and Narasimhan.M.C. "An Experimental Investigation on Self-Compacting Alkali Activated Slag Concrete Mixes", **Journal of Building Engineering, Elsevier**, Vol 17, 2018, pp. 1-12. **SCI INDEXED** - Impact Factor: 2.38

4. **Manjunath. R** and Mattur C. Narasimhan, "Setting Behaviour of Alkali Activated Slag Concrete mixes – Effect of chemical admixtures", **Indian Concrete Journal**, Vol 92, issue 9, 2018, pp. 45-51. - **SCOPUS INDEXED**.

5. **Manjunath.R** and Mule Rahul "Studies on Fresh and Hardened Properties of Sugarcane bagasse ash blended Self-compacting Concrete Mixes" International Conference on Sustainable Construction and Building, NITK, 18-22, June 2018 - **Lecture Notes in Civil Engineering - Springer - SCOPUS INDEXED** - https://doi.org/10.1007/978-981-13-3317-0_24.

6. **Manjunath. R** and Mattur C. Narasimhan, "High Strength Flowable Alkali Activated Slag Concrete Mixes produced using industrial wastes" - First International Conference on Materials Science and Manufacturing Technology, Coimbatore, April 12-13, 2019 - **IOP - Materials Science and Engineering - SCOPUS INDEXED**.

7. **Manjunath. R** and Mattur C. Narasimhan, "Effect of addition of OPC on the performance characteristics of Self -compacting alkali activated slag concrete mixes" - First International Conference on Materials Science and Manufacturing Technology, Coimbatore, April 12-13, 2019 - **IOP - Materials Science and Engineering - SCOPUS INDEXED**.

8. Manjunath. R and Ranganath. R.V, "Performance Evaluation of Fly-ash based Self-compacting geopolymer concrete mixes " - First International Conference on Materials Science and Manufacturing Technology, Coimbatore, April 12-13, 2019 - **IOP - Materials Science and Engineering- SCOPUS INDEXED .**

9. Manjunath R*, Mattur C. Narasimhan, Shashanka M, Vijayanand S.D and Vinayaka J "Experimental studies on shear strength characteristics of Alkali Activated Slag concrete mixes", First International Conference on Recent Advances in Materials and Manufacturing, (ICRAMM, 2019) Sep 12 - 14 - **Materials Today - Proceedings (Elsevier) - SCOPUS INDEXED.**

10. Manjunath.R, M.C.Narasimhan and Rajath.R.L "To study the Mechanical properties of Fly-ash based geopolymer concrete with partial replacement of Bagasse ash and GGBFS " "Global Civil Engineering Challenges in Sustainable Development and Climate Change" -ICGCSC-17, MITE, March 17 and 18, 2017 - **ISBN: 978-93-5267-355-1.**

11. Manjunath.R, Narasimhan.M.C and Naveen U "Steel Fiber Reinforced Alkali Activated Slag Concrete Mixes - An Experimental Evaluation" 2nd International Conferences on Advances in Concrete, Structural and Geotechnical Engineering, (**ACSGE 2018**), Pilani - Feb 24-26, 2018. - **BLOOMSBURY PUBLISHING - ISBN: 978-93-87471-69-6.**

12. Manjunath. R, Mattur C. Narasimhan and Ashwin.P.V "Effect of Addition of Silica Fume on Performance of Alkali Activated Slag Concrete Mixes" - 3rd International Symposium on Advances in Science & Technology of Concrete - ACI and ICACI, Mumbai - Dec 14 - 15, 2018 - **EXCEL INDIA PUBLISHERS - ISBN: 978-93-88237-28-4**

13. Manjunath. R and Mattur C. Narasimhan, "Studies on Eco-friendly Concrete Mixes Incorporating Industrial By-products"- UKIERI Concrete Congress, Jalandhar, March 5-8, 2019 - **ISBN: 978-93-5351-357-3.**

14. Manjunath. R, Mattur C. Narasimhan and Ugwal Prakash "Performance Evaluation of Deep beams using Self-compacting concrete mixes" - International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS 2019), May 23-24, 2019 - **BEST PAPER AWARD.**

15. Manjunath. R, Mattur C. Narasimhan and Bibesh Nambiar, C "Performance Evaluation of Deep beams using Self-compacting concrete subjected to corrosion" - International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS 2019), May 23-24, 2019.

16. Manjunath. R, Mattur C. Narasimhan and Janagam "Performance Evaluation of Steel Fiber Reinforced Deep beams using Self-compacting concrete" - International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS 2019), May 23-24, 2019.

17. Manjunath. R, and Ranganath. R.V "Performance evaluation of Fly-ash and GGBFS blended self-compacting geopolymer concrete mixes" - NBM&CW Magazine, May 2020.

BOOK CHAPTER

1. **Manjunath R** and Mattur C. Narasimhan - (On Invitation) - A chapter on **Alkali Activated Concrete Systems - A State of Art** in the book entitled "**NEW MATERIALS IN CIVIL ENGINEERING**", Elsevier. **Chief Editors:** Pijush Samui, Dookie Kim, Nagesh Iyer and Sandeep Chaudhary. - **ACCEPTED.**

International/ National Publications - Under Review

1. **Manjunath. R**, Mattur C. Narasimhan and Shivam Kumar, "Steel Fiber Reinforced High Performance Self-Compacting Alkali Activated Slag Concrete Mixes - An Experimental Evaluation", **European Journal of Environmental and Civil Engineering (Under Review) - SCI Indexed.**

2. **Manjunath. R**, Mattur C. Narasimhan and Bala Bharathi U.K, "High Performance Self-Compacting Alkali Activated Slag Concrete mixes - Flexural behaviour of reinforced concrete beams", **Indian Concrete Journal (Under Review) - SCOPUS Indexed.**

3. **Manjunath. R**, Mattur C. Narasimhan and Saipuspharaj N, "Bond strength characteristics of High Strength Alkali activated slag concrete mixes", **Indian Concrete Journal (Under Review) - SCOPUS Indexed.**

4. **Manjunath. R**, Mattur C. Narasimhan and Suryanarayana L.R, "Bond strength characteristics of Fly-ash admixed self-compacting Alkali activated concrete mixes", **Indian Concrete Journal (Under Review) - SCOPUS Indexed.**

Workshops / Faculty Development Programme Attended

1. One Week (FDP) program on "Fibre Reinforced Concrete and its applications" from 18th to 22nd November 2019 organized by Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore - 575025.

2. Five day (GIAN) program under MHRD on "Construction Pollution and Management" from 12th to 16th February 2018 organized by Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore - 575025.

3. Five day (GIAN) program under MHRD on "Concrete: Microstructure Characterization" from 18th to 22th June 2018 organized by Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore - 575025.

4. Five day (GIAN) program under MHRD on "Design of Concrete Structures Reinforced with Fiber Reinforced Polymer (FRP) Bars" from 29th July to 2nd August 2019 organized by Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal Mangalore - 575025.

5. Two day workshop on “Design and Development of Sustainable concrete in the Era of Global Warming” on 9 -10th January 2017, organized by Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal Mangalore - 575025.

Workshops / Faculty Development Programme Organized

1. Two Week ISTE STTP on “Introduction to Structural Engineering” under the scheme National mission on Education through information and communication technology, IIT Kharagpur on 4 -8th January 2016, organized by Department of Civil Engineering, BMS College of Engineering, Bangalore.

Reviewer - International Journals

1. Journal of Construction and Building Materials, Elsevier.
2. Journal of Cleaner Production, Elsevier.
3. Materials Today Proceeding, Elsevier.

Areas of Research Interest

Geopolymer concrete mixes, Durability, OPC based concrete mixes, Self-compacting concrete, Alkali activated slag concrete, Microstructural Characterization, High performance concrete and its durability, Fiber reinforced concrete.

Interested Subjects

Engineering Mechanics, Concrete technology, Strength of material, Design of RCC Structures, Building materials and construction technology, Advanced concrete technology, All PG subjects' related to Construction Technology and management.

B.E. Project: 2011-2012

Project Title: ANALYSIS OF MULTI STORIED BUILDING USING ETABS under the guidance of Professor Keshav Murthy, Dept. of Civil Engg, UVCE, Bangalore.

M. Tech Thesis: 2013-2014

M.Tech Thesis Title: SELF-COMPACTING GEOPOLYMER CONCRETE under the guidance of Professor R.V.Ranganath, Dept. of Civil Engg, BMSCE, Bangalore.

Ph.D Thesis: 2016-2020

Doctoral Thesis Title: EXPERIMENTAL STUDIES ON HIGH PERFORMANCE ALKALI ACTIVATED SLAG CONCRETE MIXES under the guidance of Professor Mattur C. Narasimhan, Dept. of Civil Engg, National Institute of Technology Surathkal, Mangalore.

I hereby declare that the above-furnished information is correct and true to the best of my knowledge.

Date: 13/05/2020

Yours faithfully

Place: Bangalore

MANJUNATH R

REFERENCES

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