



**MANJUNATH V. BHOGONE, PhD**  
**Associate Professor**

Department of Civil Engineering  
**SINHGAD COLLEGE OF ENGINEERING**  
Pune

Email: mvbhogone.scoe@sinhgad.edu

**ACADEMIC DETAILS**

Degree	University	Year of passing
PhD (Structural Engineering)	Indian Institute of Technology Hyderabad (IIT H)	2021
M. Tech. (Structural Engineering)	Visveswaraiiah Technological University, Belgaum	2003
B. E. (Civil)	Karnataka University	2000

**TEACHING EXPERIENCE**

01-12-2021 to till date	Associate Professor Department of Civil Engineering, Sinhgad College of Engineering, Pune.
20-07-2007 to 30-11-2021	Assistant Professor Department of Civil Engineering, Sinhgad College of Engineering, Pune.
02-02-2005 to 19-07-2007	Lecturer Department of Civil Engineering, AISSMS College of Engineering, Pune.
1-08-2003 to 31-01-2005	Lecturer Department of Civil Engineering, PDVVP College of Engineering, Ahmednagar.

\* Recognition as a P.G. Teacher by Savitribai Phule Pune University

## FUNDED RESEARCH PROJECTS

Funding Agency	Title of Research Project	Period
Savitribai Phule Pune University	Influence of Fiber Strength on Fracture Characteristics of Normal and High Strength Concrete	2017 to 2021
Savitribai Phule Pune University	Parametric Study on Characterization of Reactive Powder Concrete	2013 to 2015
Pune University	Mechanical properties of Reactive Powder Concrete	2010 to 2012

## FIELDS OF RESEARCH INTEREST

- Construction materials and concrete technology.

## PUBLICATIONS

- M.V. Bhogone, Kolluru V. L. Subramaniam (2022), Improvement in early-age cracking performance of concrete with hybrid steel-macropolypropylene fiber blends, *Materials Today: Proceedings*, 2022, ISSN 2214-7853. (DOI: <https://doi.org/10.1016/j.matpr.2022.04.554>).
- Manjunath V. Bhogone, Silpa S. Pazhankave, Kolluru V. L. Subramaniam (2021), Evaluation of Cohesive Response with Pullout of Steel Fibers in SCC and Normal Concrete, *Journal of Engineering Mechanics (ASCE)*, ISSN 0733-9399. (DOI: 10.1061/(ASCE)EM.1943-7889.0002019).
- Manjunath V. Bhogone, Kolluru V. L. Subramaniam (2021), Improved Early-age Cohesive Stress Response from Hybrid Blends of Micro and Macro Fibers, *Materials Science Forum (TTP)*, Vol. 1046, ISSN: 1662-9752.
- Manjunath V. Bhogone, Kolluru V. L. Subramaniam (2021), Enhanced Concrete Performance in Cracking Resistance and Chloride Penetration using Hybrid Fiber

Blends, *Materials Today: Proceedings*, 2021, ISSN 2214-7853. (DOI: 10.1016/j.matpr.2021.06.164).

- Manjunath V. Bhogone, Silpa S. Pazhankave, Kolluru V. L. Subramaniam (2021), Cohesive Stress and Fiber Pullout Behavior in Fracture Response of Concrete with Steel and Macropolypropylene Hybrid Fiber Blend, *Fatigue & Fracture of Engineering Materials & Structures* (Wiley), (DOI: 10.1111/ffe.13543).
- Manjunath V. Bhogone, Kolluru V. L. Subramaniam (2021), Early-age tensile constitutive relationships for steel and polypropylene fiber reinforced concrete, *Engineering Fracture Mechanics* (Elsevier), Volume 244, 107556. (DOI: 10.1016/j.engfracmech.2021.107556).
- S.W. Jagtap, M.V. Bhogone, Non-Destructive Testing using Digital Image Correlation, *International Conference on Innovative Realms in Civil Engineering (IRICE-2018)*, Nagpur, 24<sup>th</sup> -25<sup>th</sup> January 2018.
- Anmar Ismail and M.V. Bhogone, Effect on fracture properties of macro synthetic fibers on the early age concrete, *32<sup>nd</sup> National Convention of Civil Engineers*, The Institution of Engineers (India) Goa State Center, Goa, 21<sup>st</sup> -22<sup>nd</sup> October 2016
- M.V. Bhogone, Effect of Aspect Ratio of Steel Fibers on Properties of Steel Fiber Reinforced Silica Fume Concrete, *International Journal of Research in Engineering Sciences & Technology (INJoREST-Civil Engg.)*, ISSN-2229-5135, April 30th, 2011
- M.V. Bhogone, Structural Design Considerations for High Performance Building using Tunnel Form System, *Proceedings of International Conference on Innovative Science and Engineering Technology (ICISSET-2011)* pp. 252-256, ISBN: 978-81-906377-9-4 organized by VVP Engineering College, Rajkot, Gujarat India
- M.V. Bhogone, Effect of Aspect Ratio of Steel Fibers on Properties of Steel Fiber Reinforced Silica Fume Concrete, *Proceedings of International Conference on Sunrise Technologies*, organized by Bapusaheb Shivajirao Deore College of Engineering & Polytechnic, Dhule on 13-15th January 2011, pp.1.11.1 to 1.11.4

- M.V. Bhogone, Response of Monolithic Diaphragms in RC Framed Structures, International Conference On Advances in Concrete, Structural and Geotechnical Engineering, held at BITS Pilani on 25 - 27 October 2009
- M.V. Bhogone, Structural Systems Adopted in Planning of Earthquake Resistant Structures, One Day National Workshop on Earthquake and design of Earthquake Resistant Structure organized by Padmabhooshan Vasantodada Patil Institute of Technology, Budhgaon on 7<sup>th</sup> March 2009.
- M.V. Bhogone, Performance of Unreinforced Masonry in-fills in Structure, One Day National Workshop on Earthquake and design of Earthquake Resistant Structure organized by Padmabhooshan Vasantodada Patil Institute of Technology, Budhgaon on 7<sup>th</sup> March 2009.
- M.V. Bhogone, A Review on Current Practices Adopted in Lateral Load Resisting Systems, National Conferences ACC' 2008 at the Atmiya Institute of Technology & Science, Rajkot on 20<sup>th</sup> to 23<sup>rd</sup> November 2008
- K.B. Prakash, B.R. Patagundi, Manjunath V. Bhogone, An Experimental Investigation on the Effect of Addition of More Than Two Admixtures in Silica Fume Concrete, International Conference on Recent Trends in Concrete Technology and Structures (INCONTEST-2003) held on 10-12 September 2003 at Kumaraguru College of Technology, Coimbatore.

## REVIEWER OF JOURNALS

- Advanced Materials Research
- Advanced Engineering Forum
- International Journal of Engineering Research in Africa.

## DISSERTATIONS GUIDED – ME (Structural Engineering)

- Study on mitigation of plastic shrinkage cracking in concrete, Siddhesh Anil Dhage (batch of 2020-21).

- Evaluation of early-age cracking in concrete using image analysis in Python, Nayan Darasing Pawar (batch of 2020-21).
- Study on the influence of fiber on resistance to chloride penetration, Vedant H. Khandelwal (batch of 2019-20).
- Analysis of a multi-storied building by incremental dynamic analysis, Dhanshree Ramkrushna Kawale (batch of 2019-20).
- Fracture Behaviour of Geopolymer Concrete, Harshada B. Patil (batch of 2018-19).
- Evaluation of Plastic Shrinkage Cracking using Image Analysis, Nachan Saud Shakeel (batch of 2017-18).
- Quantification of Settlement Cracking using Image processing, Raj K. Shah (batch of 2017-18).
- Applications of Digital Image Correlation in the field of structural engineering, Suraj Wamanrao Jagtap (batch of 2016-17).
- Durability studies of Fiber Reinforced Concrete (FRC), Jamaluddin Pashee Tabaar (batch of 2015-16).
- A comparative study of methods for obtaining solution to multi-degree of freedom systems, Rohit Raosaheb Chate (batch of 2015-16).
- Effect of macro-synthetic fibers on the properties of concrete, Anmar Adel Ismail (batch of 2014-15).
- Construction of design spectrum for some major earthquakes occurred in India, Abhiraj Vinayak Salunkhe (batch of 2014-15).
- Behaviour of RC deep beam with openings and strengthened with carbon fiber reinforced polymer, Mukhallad Murad Obied (batch of 2013-14).
- Static and impact resistance of hybrid fiber reinforced concrete, Hosmani Mahesh B. (batch of 2013-14).
- An experimental study on the retrofitting of shear deficient RC beams using ferrocement laminates, Mohite Kiran (batch of 2012-13).

- Parametric studies on structural behaviour of retrofitted beams using GFRP, Barkale Akshay Dattatraya (batch of 2011-12).
- Seismic performance of structures by multimodal pushover analysis, Dumbre Sucheta Uday (batch of 2011-12).
- Seismic performance of steel frame structures with viscous fluid damper, Mohammad Shahram Isaddoost (batch of 2011-12).

### **RESOURCE PERSON, COORDINATOR & GUEST LECTURES DELIVERED**

- Resource person and course coordinator for the course of Earthquake Engineering in the Two-Day Online Workshop for Drafting of BE Civil 2019 Pattern Syllabus organized by AISSMS College of Engineering, Pune in association with Board of Studies, Civil Engineering SPPU on 30<sup>th</sup> June to 1<sup>st</sup> July 2022.
- Resource person for the course of Advanced Concrete Technology in the Three-Day Online Workshop on Implementation and Execution of Third Year Civil Engineering 2019 Pattern Syllabus organized by Anantrao Pawar College of Engineering & Research, Pune in association with Board of Studies, Civil Engineering SPPU from 7<sup>th</sup> to 9<sup>th</sup> September 2021.
- Resource person and course coordinator for the course of Advanced Concrete Technology in the Three-Day Online Workshop for Drafting of TE Civil 2019 Pattern Syllabus organized by AISSMS College of Engineering, Pune in association with Board of Studies, Civil Engineering SPPU from 3<sup>rd</sup> May to 5<sup>th</sup> May 2021.
- Resource person for the One Week Students' Development Program on GATE Examination Coaching with Tips and Tricks organized by AISSMS College of Engineering on 27<sup>th</sup> Jan 2021.
- Resource person for the course of Structural Design of Bridges in the Three-Day Online Workshop on Online Content Delivery for BE Civil 2015 Pattern organized

by AISSMS College of Engineering, Pune in association with Board of Studies, Civil Engineering SPPU, on 15<sup>th</sup> July 2020.

- Resource person for the course of Structural Design and Drawing III in the Three-Day Online Workshop on Online Content Delivery for BE Civil 2015 Pattern organized by AISSMS College of Engineering, Pune in association with Board of Studies, Civil Engineering SPPU, on 14<sup>th</sup> July 2020.
- Coordinator of a One Week Short Term Training Program on Bridge Engineering: Design, Execution, Maintenance and Rehabilitation organized in association with Indian Institute of Bridge Engineers, Pune Chapter on 13<sup>th</sup> to 17<sup>th</sup> July 2020.
- Delivered a guest lecture for the students of BE (Civil) on Structural Design and Drawing III at Zeal Engineering College and Research Pune on October 4<sup>th</sup>, 2019.
- Co-coordinator of a Two-Day National Conference on Panchtatva in Civil Engineering – Integrating Five Elements of Nature for Sustainable Development held on 27<sup>th</sup> & 28<sup>th</sup> March 2019 at Sinhgad College of Engineering, Pune.
- Resource person at the Two-Day National Level Workshop on Structural Audit in Civil Engineering held on 1<sup>st</sup> & 2<sup>nd</sup> March 2019 at D.Y. Patil Institute of Engineering & Technology, Ambi.
- Coordinator of a One-Day Workshop on Design of PT Flat Slabs & Introduction to Vibration and Earthquake Analysis held on July 28<sup>th</sup>, at Sinhgad College of Engineering, Pune
- Resource person for the Faculty Development Program organized by Guru Gobind Singh Foundation's College of Engineering & Research Center, Nashik on 22<sup>nd</sup> & 23<sup>rd</sup> July 2017.
- Session person at the Fifth Civil PGCON 2018 held at JSPM Imperial College of Engineering & Research, Pune in association with Board of Studies, Civil Engineering SPPU on 11<sup>th</sup> & 12<sup>th</sup> June 2018.
- Delivered a guest lecture for the students of BE (Civil) on Structural Design and Drawing III at Zeal Engineering College and Research Pune on September 21<sup>st</sup>, 2016.

- Resource person for the Faculty Development Program organized by Vasantdada Patil Institute of Technology, Bavdhan, Pune and Board of Studies Savitribai Phule Pune University on September 10<sup>th</sup>, 2016.

## **MEMBERSHIP OF PROFESSIONAL BODIES**

- Member of Indian Society for Technical Education, New Delhi.
- Fellow Member of Indian Institute of Bridge Engineers.