Dr. S.Girish *Ph.D.*,
Professor,
Department of Civil Engineering,
BMS College of Engineering (BMSCE),
Bull Temple Road, Bangalore – 560 019
Ph: 080-26622130-35 Extn: 3081, Mob: +91-9448169287
E-Mail:giris41@yahoo.co.in, girish.civ@bmsce.ac.in

Education:

- **Doctor of Philosophy (Ph.D.,) from VTU, Belgaum (Feb. 2010) on "Influence of powder and paste on the fresh and hardened properties of Self -Compacting Concrete".**
- **Master of Engineering (M.E.,) in Structural Engineering from Bangalore University - 1988**
- **Bachelor of Engineering (B.E.,) in Civil Engineering, National Institute of Engineering (NIE), Mysore- Mysore University, Karnataka - 1984**

Employment Details

Current Position	**: Professor**
Nature of Employment	**: Teaching, Consultancy and Research and Development**
Date of birth	**: 22-11-1961**
Total years of service	**: 31 Years**

Publications:

Journals:

- **S. Girish** and N Ajay, (2017), *"Importance of rheological properties of fresh concrete-A review"*, The Indian Concrete Journal, Volume 91, No.9, September, pp 09-17.
- **S. Girish**, (2017), *"Importance of volume of paste on compressive strength of SCC- A parameter to be considered in the mix design",* The Indian Concrete Journal, Volume 91, No.4, April, pp 51-62.
- **S. Girish** and Karthik Pattaje **S,** (2017), *"An experimental study on the use of blast furnace slag sand as an alternative to fine aggregate in self-compacting concrete with emphasis on sustainability"*, The Indian Concrete Journal, Volume *91*, No.1, January, pp 53-61.
- Haneefa M K , **Girish S,** Ranganath R V, Saikia B (2016) *"A Structural Dynamic Approach to Evaluate Modulus of Elasticity of Cantilever Beam"* Applied Mechanics and Materials, ISSN: 1662-7482, Vol. 852, September, pp 483-488.

- **S.Girish** (2012), *"Influence of powder and paste on SCC using recycled Concrete Aggregates"***,** Bonfring International Journal of Industrial Engineering and Management Science, ISSN 2277-5056, Vol. 02, No 04 SPL, December, pp. 68-75.

- **S.Girish** and Santhosh B.S., (2012), *"Determination of Bingham Parameters of Fresh Portland Cement Concrete Using Concrete Shear Box"* Bonfring International Journal of Industrial Engineering and Management Science", ISSN 2277-5056, Vol. 02, No 04 SPL, December, pp. 84-90.

- **S.Girish** and Santhosh B.S., (2011), "*A New Methodology to Study the Rheological Properties of Fresh Portland Cement concrete"*, International Journal of Earth Sciences and Engineering, Volume 04, No 06SPL, October, pp797-800.

- **S.Girish** and R.Manjunatha Rao, (2011), "*A Step towards Mix Proportioning Guidelines for Pervious Concrete",* International Journal of Earth Sciences and Engineering, Volume 04, No 06SPL, October, pp768-771.

- **S.Girish** and H.R.Arjun, (2011), "*Development of SCC with crushed rock fines as filler"*, Journal of Structural Engineering, Volume 38, No 1, May, pp 60-66

- Arunkumar. A. S, Raghunath.S, and **Girish. S**,(2011) "*Behaviour of two storeyed rc portal frame under in-plane cyclic load – An experimental study"* International Journal of Earth Sciences and Engineering, Volume 4, No.1, February, pp 149-157

- **S. Girish**, R V Ranganath and Jagadish Vengala, (2010), "*Influence of powder and paste on flow properties of SCC",* Journal of Construction and Building Materials, **(ELSEVIER-Science Direct)**, Vol. 24, December, pp 2481-2488.

- **S. Girish**, C. Indumati, Jagadish Vengala and R.V.Ranganath, (2009), "*Rheological properties of SCC using direct shear box*", The Indian Concrete Journal, Volume 83, No.8, August, pp 47-53.

International Conference (Abroad)

- **S.Girish** and Santhosh B.S., (2013*) "A Unique Procedure For Finding The Rheological Properties Of Fresh Portland Cement Concrete Using Concrete Shear Tests",* 1st International RILEM Conference on Rheology and processing of construction materials and 7th International RILEM symposium on Self Compacting Concrete, 2-4th September 2013, **Paris, France** (Paper published in RILEM Book series).

- **S. Girish** and Mallikarjun, G.N., (2013) *"Comparative study of Self-cured Concrete with Conventionally cured Concrete",* 1st International RILEM Conference on Rheology and processing of construction materials and 7th International RILEM symposium on Self Compacting Concrete, **Paris, France**.

- **S.Girish** and Santhosh B.S., (2012*),"Concrete Shear Test: A new tool for determining rheological properties of fresh Portland cement concrete",* International Conference on "Civil Engineering and Building Materials" (CEBM-2012), **Hong Kong, China,** Published by Taylor & Francis Group, London, UK, ISBN: 978-0-415-64342-9, ISBN 978-0-203-38807-5 (ebook), pp. 289-294.

- ***S.Girish,*** GSV Kumar, L Shobha, B S Santhosh,(2012) *"Rheological Measurement of Fresh Portland Cement Concrete Using Direct Shear Box Tests",* International Conference on "Concrete in the Low Carbon Era" **University of Dundee, Scotland, UK**, ISBN 978-0-9573263-0-9, pp. 287-302.

- **S. Girish** and R.V. Ranganath, (2010) *"Influence of paste on the rheological properties of SCC using direct shear box",* 6th international **RILEM** Symposium on SCC, 26-29 September 2010, **Montreal, Canada,** pp 413-421.

- **S. Girish** and Mallikarjun, G.N.,(2010) *"Influence of volume of paste on the fresh and hardened properties of SCC using recycled aggregates",* 6th international **RILEM,** Symposium on SCC, 26-29 September 2010, **Montreal, Canada,** pp 275-284.

- **S. Girish**, Jagadish Vengala and R.V.Ranganath, (2007), *"Volume fractions in self-compacting concrete-A review"*, Proceedings of the 5th international **RILEM** Symposium on Self Compacting Concrete, 3-5 September 2007, **Ghent**, **Belgium**, pp73-81 - ISBN 978-2-35158-050-9

- **International Conference (India)**

  - ***S.Girish,*** B S Santhosh, L Shobha, G S Vinay Kumar,(2012) *"Determination of Bingham parameters of Fresh Portland Cement Concrete"*, International Conference on Advances in Architecture and Civil Engineering, M S Ramaiah Institute of Technology, **Bangalore**, 21-23, June 2012, pp 105-111.

  - ***S.Girish ,****KN Narasimha Prasad, R Shruthi and G N Mallikarjun*, (2012) *"Utilization of Recycled Concrete Aggregates in SCC for Sustainable Development"*, International Conference on Advances in Architecture and Civil Engineering, M S Ramaiah Institute of Technology, **Bangalore**,21-23, June 2012, pp 700-705.

  - **S.Girish**, Mohammed Haneefa and R.V. Ranganath,(2008), *"Water Sorptivity of Normal and self-Compacting Concrete"*, Proceedings of 2nd International Conference on Advances in Concrete and Construction", Vasavi College of Engineering, **Hyderabad**, pp 135-143.

  - **S.Girish**, B.S.Putte Gowda, Jagadish Vengala and R.V.Ranganath,(2005) *"Influence of different superplasticizers on the properties of self-compacting concrete"*, Proceedings of the International Conference on Advances in Concrete Composites and Structures, **SERC, Chennai,** January 6-8,2005,PP 467-474.

National Conference/Seminars

- **S.Girish**, Jagadish Vengala and R.V.Ranganath, (2006), *"A study on the limits of water to powder ratio, paste content and aggregate fractions in self-compacting concrete"*, Proceedings of the National Conference on Concrete Technology for the Future", Kongu Engineering College, **Erode,** Tamil nadu,pp 557-565.

- **S.Girish** and Vikas, B., *"Study on Enhancement of Structural Behaviour of Column Members with FRP Technology"*, (2006), Proceedings of the National Conference on Concrete Technology for the Future", Kongu Engineering College, **Erode,** Tamilnadu, pp 464-473.

- Mohammed Haneefa K, **S.Girish** and R.V.Ranganath,(2008), *"Water Absorption and Sorptivity as Durability Indicators for Cement Mortar"*, Proceedings of the National Conference on Advances in Civil Engineering (ACE08), ACE **Bhatkal**, Karnataka, pp 69-72.

R&D Project completed:

***"Rheology of self-compacting concrete"* - Government of India AICTE sponsored project**

Awards

State Level:

- ***Karnataka State Council for Science and Technology Academic Award (KSCST- IISc, Bangalore) for the Best Project:***

Year 2015: *"Manufacture of Green SCC - A step towards development of sustainable concrete using slag as a filler and fine aggregate"*

Year 2013: *"An innovative step towards the development of floating concrete"*

Year 2011: *"Some studies on the development of pervious concrete"*

Year 2009: *"Influence of volume of paste on the fresh and hardened properties of self-compacting concrete using recycled aggregates"*

Institutional Level:

- **Best project award for innovation, from BMS College of Engineering and sponsored by Tata Consultancy Services (TCS)**

Year 2017: *Experimental studies of development of pervious concrete*

Research Interests:

- **Self Compacting Concrete, Bacterial Concrete, Supplementary Cementitious Materials in Concrete, , Geopolymer Concrete, Pervious Concrete, Self Cured concrete, Building Contracts, Rehabilitation of Structures**

Conferences/ seminars organized:

Worked as an organizing committee member for **Concrete Deminar** conducted by jointly by Dept. of Civil Engineering BMSCE (Feb 2012) in association with Indian Concrete Institute – Karnataka Chapter.

Worked as Coordinator for ***ICMQ Certification Course,*** conducted by Dept. of Civil Engineering BMSCE (July 2009) in association with ISTE, New Delhi.

Worked as an organizing committee member for two day national seminar on *"**Engineered Concretes"*** conducted by Dept. of Civil Engineering BMSCE (March 2008) in association with Indian Concrete Institute.

Worked as an organizing committee member for one day workshop on *"**Self-Compacting Concrete**"* conducted by Dept. of Civil Engineering BMSCE (August 2004) in association with Indian Concrete Institute and Civil –Aid Techno clinic Pvt. ltd.,

Others:

***RILEM Committee*:**

Recognized as an active member in the RILEM Committee on Rheology of Cement based Composites

Reviewer:

- **Reviewer for International Journal -**Journal of Civil Engineering and Architecture
- Reviewed article in the Journal of Construction and Building Materials.

Board of Studies:

Member, Board of Studies, Bangalore University.

Indian Concrete Institute (ICI) Activities:

- Panelist in ICI for special lectures.

Student Activities:

- Guided students for **Second National Annual Cube Test** competition conducted jointly by ACC ltd., and ICI.
- Actively involved in getting funds (5 times) and recognition from Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science (IISc), Bangalore for Projects.
- College Coordinator for Karnataka State Council for Science and Technology (KSCST) Student Project Proposals
- Introduced Mix design of Self-Compacting Concrete (SCC) at national level student fest-first of its kind at students' competition level.

M.Tech. Projects **(Total Projects completed – 30): Some of them are:**

1. *A study on enhancement of structural behavior of weak R.C.Member with FRP Technology* - 2002.
2. *A comparative study on the mobility of Self compacting concrete with different superplasticizer* - 2003.
3. *Mix proportioning of self compacting concrete* - 2007.
4. *A study on Sorptivity, drying shrinkage and modulus of elasticity of self compacting concrete* - 2007.
5. *Water Sorptivity of self compacting concrete and normal concrete* - 2008
6. *Influence of paste and powder content on the properties of self compacting concrete*- 2008.
7. *Influence of volume of paste and aggregate content in the development of self compacting concrete* - 2009.
8. *Study on the limits of volume paste and powder in the Fabrication of self compacting concrete* - 2009.
9. *Influence of volume of paste on the rheological properties of SCC using direct shear box-2009*
10. *Design of Self compacting Concrete with fly ash* - 2010

12 *A study on mixture proportioning of self cured concrete-2010*

13 *A study on enhancement of compressive strength of concrete using microorganisms*

Ph.D., / MSc by research:
Currently seven research scholars are working

Membership of Academic, Scientific and Professional Societies

- **Life member – Indian Society for Technical Education (LM-14429)**
- **Life member – Indian Concrete Institute (LM-2687)**
- **Member - Institution of Engineers (M-100508/6)**