

## RESUME



**1. Name** : Dr. Subhash C. Yaragal  
**2. Date of birth** : 20<sup>th</sup> June 1965  
**3. Present official address** : **Dean (Planning & Development)**  
And Professor  
Department of Civil Engineering  
National Institute of Technology  
Karnataka  
Surathkal, PO: Srinivasnagar – 575 025.  
**E-mail:** subhashyaragal@yahoo.com  
subhashyaragal@nitk.edu.in  
[deanpd@nitk.edu.in](mailto:deanpd@nitk.edu.in)

**4. Field of Specialization** : Concrete Tech, Pipe line Engineering  
Performance of Concrete at Elevated  
Temperatures

### **5. Academic Qualifications**

<b>Exam passed</b>	<b>School/University</b>	<b>Year</b>	<b>Class/Area</b>
B.E. (Civil)	NITK, Mangalore	June 1987	First Class with Distinction
M.E	Indian Institute of Science, Bangalore	Jan. 1989	First Class
Ph. D	Indian Institute of Science, Bangalore	Jan. 1998	Wind Tunnel Studies
Post Doctoral Work	Tokyo Polytechnic University, Japan	Nov. 2003 to March 2005	Wind Hazard Mitigation

### **Summary of Publications**

International Journals	National Journals	International Conferences	National Conferences	Total
65	25	85	50	225

## Important Journal Publications

### International Journals

1. Subhash C Yaragal, Basavana gowda S. N. and Rajasekaran C. “Characterization and performance of processed lateritic fine aggregates in cement mortars and concretes”. *Construction and Building Materials*, Volume -200 (2019) pp.10–25.
2. Parameshwar N. Hiremath, K. Jayakesh, Roshan Rai, N. Sujay Raghvendra and Subhash C. Yaragal “Experimental Investigation on Utilization of Waste Shredded Rubber Tire as a Replacement to Fine Aggregate in Concrete” *Sustainable Construction and Building Materials*, ISBN: 978-981-13-3316-3, Book ID: 470623\_1\_En, 2018. (Springer Book), **Book Chapter**.
3. Basavana Gowda S.N., Rajasekaran C., Yaragal S.C. “Strength Characteristics of Laterized Mortars Using Processed Laterite” *Sustainable Construction and Building Materials*, ISBN: 978-981-13-3316-3, Book ID: 470623\_1\_En, 2018. (Springer Book), **Book Chapter**.
4. Parameshwar Hiremath and Subhash C. Yaragal, “Performance evaluation of reactive powder concrete with polypropylene fibers at elevated temperatures” *International Journal of Construction and Building Materials*, Elsevier, 169 (2018) 499-512.
5. Sudharsan N, Palanisamy T and Subhash C. Yaragal, “Environmental sustainability of waste glass as a valuable construction material – A critical review”, *Journal of Eco. Env. & Cons.* 24, 2018, pp. S335-S342.
6. Kishor Kulkarni, Subhash C Yaragal, and K S Babu Narayan, “Assessment of thermally deteriorated concrete by drilling resistance test and sound level”, *Russian Journal of Nondestructive Testing*, (2017), Vol. 53, No. 11, pp. 805-815.
7. Parameshwar Hiremath and Subhash C. Yaragal, “Effect of different curing regimes and durations on early strength development of Reactive Powder Concrete”, *Construction and Building Materials*, Elsevier, 154 (2017) 72-87. DOI: 10.1016/j.conbuildmat.2017.07.181.
8. Subhash C Yaragal and Muhammad Roshan A K, “Usage potential of recycled aggregates in mortar and concrete”, *International Journal of Advances in Concrete Construction*, Technopress, Korea. Vol. 5, No. 3 (2017) 201-219. DOI: 10.12989/acc.2017.5.3.201.
9. Swapnil K. Shirsath and Subhash C. Yaragal, “Performance of hybrid fibre-reinforced concretes at elevated temperatures”, *Journal of Structural Fire Engineering*, Vol. 8 Iss 1 (2017) pp. 73 – 83. DOI: 10.1108/JSFE-01-2017-0007.
10. Parameshwar Hiremath and Subhash C. Yaragal, “Influence of mixing method, speed and duration on the fresh and hardened properties of Reactive Powder Concrete”, *Construction and Building Materials*, Elsevier, 141 (2017) 271-288.

## Prizes and Awards

Sl. No.	Name of Prize/Award	Awarded by	Awarded for	Year of award
1	Award for Research Publication	Vision Group, Government of Karnataka, Department of IT, BT and Science & Technology	Best Research Publication during 2017-18	2018
2	Eminent Engineer Award	Association of Consulting Civil Engineers, Mangalore & Ramco Cements, Limited.	For achieving excellence in professional field and contribution to Civil Engineering fraternity.	2016
3	Prof. Satish Dhawan State Award for Young Engineers	Government of Karnataka, Department of IT, BT and Science & Tech.	Outstanding contributions in Engineering Science	2013
4	Felicitated on Engineer's day	M/s. KIOCL Mangalore	Innovative design approach	2012
5	International Conference on Earth Sciences and Engineering	CAFET-INNOVA Technical Society, Hyderabad	For best paper presentation	2010
6	The Union Ministry of Water Resources	The Institution of Engineers (India)	For best paper published during 2007-2008.	2008
7	Best paper award	Indian Society for Wind Engineering	Best paper published during (2001 & 2002)	2004
8	Best paper award	National conf., BHU, Varanasi	Best paper presented	2001
9	Best NCC Cadet	Officer Commandant	Excellence in several tests for overall performance	1986

### International Conferences Attended Abroad

Sl. No.	Event	Place	Period	Role
1	5th International Workshop on “Performance, Protection and Strengthening of Structures under Extreme Loading” .	Michigan State University, East Lansing, USA	28-30th June, 2015	Presented three technical papers and chaired a technical session
2	International conference on “Structures in Fire”, SiF-2014	Shanghi, China,	11-13th June 2014	Presented a technical paper.
3	International Engineering Symposium	Kumamoto University, Japan	March 3-5, 2011	Presented two papers
4	International Conference on advances in concrete technology	University of Dundee, Scotland, UK	10th July 2010	Presented paper
5	12th International Conference on Wind Engineering,	Cairns, Australia	2-6th July 2007	Presented paper
6	Fourth International Symposium on Computational Wind Engineering (CWE 2006)	Pacifico Yokohama, Japan	July 16-19, 2006	Presented paper
7	Fourth European and African Conference on Wind Engineering (EACWE 4)	Prague	11- 15 July, 2005	Presented paper
8	Tenth America’s Conference on Wind Engineering	Baton Rouge, Lousiana, USA	May-June 2005	Presented paper
9	International workshop on Regional Harmonization of Wind Loading and Wind Environmental Specifications in Asia-Pacific Economies (APEC-WW)	Tokyo Polytechnic University, Atsugi, Japan.	19-20th November 2004	Attended workshop
10	International Symposium on Architectural Wind Engineering	WERC, Tokyo Polytechnic University,	18th November 2004	Attended workshop

		Japan		
11	COE Workshop “Numerical Simulation of the Turbulent Boundary Layer”	Tokyo, Japan	22nd October 2004	Attended workshop
12	International workshop on “Measures to reduce damages due to cyclones”	Kyoto University, Kyoto, Japan	14th and 15th October 2004	Attended workshop
13	Third International Conference on Advances in Structural Engineering and Mechanics	Sheraton Walker Hill Hotel, Seoul, Korea,	2-4th September 2004	Presented two papers
14	Annual conference of the Japanese Association for Wind Engineering	Tokyo University, Tokyo	31st May – 1st June 2004	Presented paper

#### **Chaired Technical Session during the following conferences**

- (1) 5<sup>th</sup> International Workshop on "Performance, Protection and Strengthening of Structures under Extreme Loading" , Michigan State University, East Lansing, 28-30th June, 2015.
- (2) 5<sup>th</sup> International Congress on "Computational Mechanics and Simulation" , Structural Engineering Research Center, Chennai, 10-13th December, 2014.
- (3) International Conference on “”, NMAM Institute of Technology, Nitte, on 4th and 22nd May 2014.
- (4) International Conference on “Environment and Sustainable Technologies” (iCEST – 2014), January 3,4, and 5th , 2014, MIT Manipal.
- (5) National Conference on New Horizons in Civil Engineering (NHCE – 2013), April 12-13, 2013, MIT Manipal.
- (6) National Conference on Contemporary Civil Engineering Research and Practices – CCERP, April 20-21, 2012, MIT Manipal.
- (7) International Conference on “Emerging Trends in Engineering” ICETE-11, NMAM Institute of Technology, Nitte, on 4th and 5th May 2011.
- (8) International Conference on “Advances in Materials and Techniques for Infrastructure Development” (AMTID 2011), 28-30th September 2011, NIT Calicut.

- (9) National conference on “Water Conservation and Management”, Department of Civil Engineering, NITK Surathkal, on 22nd March 2011.
- (10) International Conference on Water Plumbing, Sanitation and Health: Issues and Challenges – A Trans Disciplinary Approach, October 4-5th, Bangalore, INDIA (WPSH-2010).
- (11) International Conference on Advances in Concrete, Structural and Geotechnical Engineering, (ACSGE-2009), October 25-27, BITS Pilani, India.
- (12) International Conference on Recent Developments in Structural Engineering (RDSE – 2007) during 30th August to 1st September 2007, Manipal Institute of Technology, Manipal.
- (13) Invited by Kagoshima University to give a technical talk on “Fluid flow dynamics around perforated plates” on 21st July 2006.
- (14) International Symposium on Architectural Wind Engineering on 18th November, 2004, Wind Engineering Research Center (WERC), Tokyo Polytechnic University, Atsugi, Japan.

#### **Other Technical Responsibilities**

- (1) Board of Studies Member (UG) for Faculty of Engineering, Christ University, Bangalore, for the year 2014-15, 2015-16, 2016-17, 2017-18, 2018-19, 2019-2020.
- (2) Expert Committee Member (UG) for Faculty of Engineering, Christ University Bangalore, for research project evaluation of faculty members, funded through the university, for the years 2014-15 and 2015-16.
- (3) Organizing Committee and Technical Committee Member of International conference on Residuals Science and Environmental Engineering (ICRSEE) - 2015, October 01-03, 2015, Phuket Island, Thailand.
- (4) Member of the Technical Committee for Fifth International Workshop on Performance, Protection & Strengthening of Structures under Extreme Loading, PROTECT2015, Michigan State University, East Lansing, MI, USA, June 28-30, 2015.
- (5) Technical Program Committee Member of 2nd International Conference on Application of Materials Science and Environmental Materials (AMSEM2014), July 04-06, Yichang, Hubei, China.
- (6) Member of the National Advisory Committee for International Conference & exhibition on water, wastewater & isotope hydrology, IC-WWISH-2013, 25th-27th July 2013, Bangalore.

- (7) Member of the International Scientific Committee for The 5th Asia and Pacific Young Researchers and Graduates Symposium on “Current challenges in structural engineering”, October 15-16, 2013, Jaipur, India.
- (8) Member of the Organizing Committee for the Two day workshop on “Disaster management of floods and the environment consequences thereof in coastal regions and food and water security”, February 4-5th 2013, NITK Surathkal.
- (9) Member of the Organizing Committee for Two day workshop on “Disaster management of floods and environmental consequences thereof in coastal regions and food & water security”, February 4-5, 2013, Mangalore, Jointly organized by NITK Surathkal and The Institution of Engineers (India), Mangalore Local Center.
- (10) Board of studies Member (UG) for Basaveshwar Engineering College Bagalkot for the year 2010-2011 and 2011-2012.
- (11) Board of studies Member (PG) for UVCE Bangalore for the year 2008-2009 and 2009-2010.
- (12) Board of studies Member (UG) for Basaveshwar Engineering College Bagalkot for the year 2008-2009 and 2009-2010.

#### Sponsored R & D Projects

Sl. No	Title of Project	Funding Agency	Financial Outlay	Year of start & period	Status
1.	Studies on characteristics of turbulence and dispersion of pollutants – mitigative measures, using wind tunnel facility.	Ministry of HRD, GOI.	Rs, 15,00,000	2001 Two years	Completed
2.	Evaluation of concrete and structural elements under fire loads.	BRNS	Rs.20,55,750	2007 Three Years	Completed
3.	Feasibility studies on the application of wind tunnel for the study of flow characteristics over hill.	BRNS	Rs.18,68,000	2007 Three Years	Completed
4.	Uncertainty and sensitivity analysis of the pushover method for RC framed structures with brick infill walls	BRNS	Rs.19,75,400	2009 Three Years	Completed

## **Book Review**

A text book on Open Channel Hydraulics, Published by Tata McGraw-Hill was reviewed during the recent new edition.

## **Editorial**

Editorial Board member for International Journal of Structural Fire Engineering, UK, Inderscience Publishing, from 2010.

Editorial Board member for American Journal of Civil Engineering and Architecture, Science and Education Publishing, from 2014.

Editorial Board member for International Journal of Forensic Engineering, UK., Inderscience Publishing, from 2016.

## **Details of Students Guidance**

**Ph D** – **Five** awarded, **three** on going.

**M.Tech** – 50 Students.

**B.Tech** – 25 Batches.

## **Books authored**

Shelter effect of porous wind fences – 2011-72 Pages, by Prashanth J, Pruthviraj U and **Subhash C. Yaragal**, Google book, ISBN 3846540455, 9783846540459.

## **Experience in administrative positions, curriculum and lab development, student welfare, professional and outreach activities**

### **Administrative positions**

1. Currently serving as **Dean (Planning & Development)** from **1<sup>st</sup> August 2018**.
2. Coordinator Centre for Disaster Risk Reduction from June 2016 to May 2018.
3. Worked as Associate Dean (Academic) from January 2011 to May 2014.
4. Center in charge for the Central Seat Allocation Board – 2013 (CSAB-2013)
5. Coordinated 2012 curriculum revision workshop.
6. Coordinated Annual Convocations, 8th, 9th, 10th and 11th as Event Manager.
7. Coordinated for completing online NBA documents for all nine UG programmes.
8. Board of Studies Member [2011-2014].
9. Senate Member since 2011 to date.
10. Involved in various capacities for success of DASA – Member of DASA implementation committee, Publicity committee and Applications Scrutiny committee, for 2011 to 2014 admissions.
11. Doctoral Thesis Assessment Committee Member for several NITK students.
12. Worked as maintenance warden of NITK hostels for two years [2000-2002].
13. Worked as Faculty Incharge of Water Supply and Systems for five years [2005-2010].
14. Member of various committees constituted by The Director / H.O.D during visits of expert committee members from NBA, AICTE, MHRD etc the institute from time to time.



15. Nine member committee constituted for drafting the Vision and Mission statement for the Institute.
16. Member of Institute Master Plan Committee.

### **Curriculum and laboratory development**

1. Active participation in curriculum revision workshops and meeting of the department.
2. Involved in on going research work in allied fields of interest and laboratory development.
3. Has worked for four years as Time Table In-charge and coordinated with Head of the department in workload distribution and planning of classes.
4. To assist HOD in preparation of annual report and other reports as and when desired by AICTE, MHRD, NBA etc.
5. In-charge of Survey Laboratory Development.

### **Student welfare**

1. Actively involved in undergraduate and post graduate student counselling.
2. Staff convenor of Institution of Engineers Student's Local Chapter.
3. Worked as Vice-Chairman and Treasurer of Civil Engineering Association for a period of three years.

### **Professional and outreach activities**

1. Served as Secretary for International Workshop on Low Land Technology, 15<sup>th</sup> and 16<sup>th</sup> September 2016.
2. Involved in departmental testing and consultancy assignments.
3. Served as Secretary. DRPC, for three years.
4. Editorial Board member of International Journal of Structural Fire Engineering, UK, since 2010.
5. Editorial Board member of American Journal of Civil Engineering and Architecture, since 2014.
6. Has been Editor of NITK News Bulletin for five years.
7. Has been staff counsellor for IGNOU students enrolled for Advanced Postgraduate Diploma in Construction Management and Advanced Postgraduate Diploma in Water Resources Engineering.
8. Reviewer for Techopress Korea Journals, Springer, Multiscience Journals etc.
9. Reviewer for International Journal of Environmental and Waste Management.
10. Member of Center of Excellence for Disaster Risk Reduction.
11. Member of Center of Excellence for Sustainable Technologies.

### **Membership of professional bodies**

1. Member of the Association of Consulting Civil Engineering
2. Member of the Association of Structural Rehabilitation
3. Member of Construction Materials and Technologies
4. Member Indian Society for Technical Education

5. Member Indian Society for Wind Engineering
6. Member Institution of Engineers India
7. Member International Society for Hydraulic Research.

### Countries visited

Sl. No.	Country visited	Purpose	Year and Place
1	USA	To chair a technical session and to present three technical papers during the 5th International Workshop on "Performance, Protection and Strengthening of Structures under Extreme Loading".	28-30 <sup>th</sup> June 2015, East Lansing, Michigan State University.
2	China	To present a technical paper in the International Conference on "Structures in Fire"	9-15th June 2014, Shangai
3	UAE	Publicity for DASA Scheme of MHRD, to attract prospective students for B Tech Programme. International Higher Education Exhibition.	10-15th April 2014, Dubai
4	Oman	Publicity for DASA Scheme of MHRD, to attract prospective students for B Tech Programme. International Higher Education Exhibition.	23-25th April 2013, Muscut
5	Japan	International conference	2011, Kumomoto
6	England	India UK Education and Research Initiative collaborator.	2010 Dundee & Birmingham
7	Australia	Research Interaction with Prof. Priyan Mendis, University of Malbourne	2008, Melbourne
8	Australia	International conference	2007, Cairns
9	Japan	International conference	2006, Yokohama
10	USA	International conference	2005, Lousiana
11	Czech Republic	International conference	2005, Prague
12	Korea	International conference	2004, Seoul
13	Japan	Post-doctoral work	2003-2005, Tokyo