RESUME



**Name** : Dr. Subhash C. Yaragal

**Date of birth** : 20th June 1965

**Present official address** : Member, Board of Governer’s, NITK

Member, Institute Finance Committee

Former Dean (Planning and Development)

Professor, Department of Civil Engg.

National Institute of Technology

Karnataka

Surathkal, PO: Srinivasnagar – 575 025.

**E-mail**: [subhashyaragal@yahoo.com](mailto:subhashyaragal@yahoo.com)

subhashyaragal@nitk.edu.in

**Field of Specialization** : Eco-friendly Concretes ,Pipe line Engg.

Performance of Concrete at Elevated

Temperatures

**Academic Qualifications**

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| --- | --- | --- | --- |
| **Exam passed** | **School/University** | **Year** | **Class / Area** |
| 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**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Int. Journals** | **National Journals** | **Int. Conferences** | **National Conferences** | **Research Bulletin** | **Total** |
| 1 | **70** | **18** | **88** | **45** | **14** | **235** |

**Important Publications**

1. **Subhash C. Yaragal**, Parameshwar N. Hiremath, M. Manoj Kalyan, Devesh Kumar and P. P. Shiji., “Performance of recycled coarse aggregate concretes with basalt fibers at elevated temperatures”, Recent Developments in Sustainable Infrastructure – Structure and Construction Management, Lecture Notes in Civil Engineering, ISBN: 978-981-16-8432-6, eBook ISBN 978-981-16-8433-3, 2022 (Springer Nature) Book Chapter
2. Chethan Kumar B, **Subhash C. Yaragal**, and B B Das., “Ferrochrome ash – Its usage potential in alkali activated slag mortars”, International Journal of Cleaner Production, 257 (2020) 120577.
3. **Subhash C Yaragal,** BChethan Kumar and C. Jitin., ”Durability studies on ferrocrome slag as coarse aggregate in sustainable alkali activated slag/fly ash based concretes ”, International Journal of Sustainable Materials and Technologies, 23 (2020) e00137
4. **Subhash C Yaragal,** BChethan Kumar and Krishna Mate., ”Optimization of ferrochrome slag as coarse aggregate in concretes”, International Journal of Computers and Concrete, Technopress, Korea. Vol. 23, No. 6 (2019) 421-431.
5. **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.
6. **Subhash Yaragal**, Chethan Kumar B. and Manoj Uddavolu Abhinav, “Numerical and experimental studies on sustainable alkali activated concretes at elevated temperatures”, Journal of Structural Fire Engineering, September (2019).
7. 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.
8. Kishor S. Kulkarni, **Subhash C. Yaragal,** and K S Babu Narayan, “Core recovery test a damage diagnosis tool for thermally deteriorated concrete", Journal of Structural Fire Engineering, Vol. 8 Iss 1 (2018) pp. 73 – 83.
9. 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.
10. Parameshwar Hiremath and **Subhash C. Yaragal**, “Performance evaluation of reactive powder concrete with polypropelene fibers at elevated temperatures” International Journal of Construction and Building Materials, Elsevier, 169 (2018) 499-512.
11. 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.
12. 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 Non-destructive Testing, (2017), Vol. 53, No. 11, pp. 805-815.
13. 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.
14. **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.
15. 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**

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| **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)**

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| **Sl. No.** | **Event** | **Place** | **Period** | **Role** |
| 1 | 7th International Colloquium on Performance, Protection and Strengthening of Structures Under Extreme Loading and Events, PROTECT 2019. | Whistler, BC, Canada | September 16-17th 2019. | Presented a technical paper. |
| 2 | 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 |
| 3 | International conference on “Structures in Fire”, SiF-2014 | Shanghi, China, | 11-13th June 2014 | Presented a technical paper. |
| 4 | International Engineering Symposium | Kumamoto University, Japan | March 3-5, 2011 | Presented two technical papers |
| 5 | International Conference on advances in concrete technology | University of Dundee, Scotland, UK | 10th July 2010 | Presented paper |
| 6 | 12th International Conference on Wind Engineering, | Cairns, Australia | 2-6th July 2007 | Presented paper |
| 7 | Fourth International Symposium on Computational Wind Engineering (CWE 2006) | Pacifico Yokohama, Japan | July 16-19, 2006 | Presented paper |
| 8 | Fourth European and African Conference on Wind Engineering (EACWE 4) | Prague | 11- 15 July, 2005 | Presented paper |
| 9 | Tenth America’s Conference on Wind Engineering | Baton Rouge, Lousiana, USA | May-June 2005 | Presented paper |
| 10 | 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 |
| 11 | International Symposium on Architectural Wind Engineering | WERC,Tokyo Polytechnic University, Japan | 18th November 2004 | Attended workshop |
| 12 | COE Workshop “Numerical Simulation of the Turbulent Boundary Layer” | Tokyo, Japan | 22nd October 2004 | Attended workshop |
| 13 | International workshop on “Measures to reduce damages due to cyclones” | Kyoto University, Kyoto, Japan | 14th and 15th October 2004 | Attended workshop |
| 14 | Third International Conference on Advances in Structural Engineering and Mechanics | Sheraton Walker Hill Hotel, Seoul, Korea, | 2-4th September 2004 | Presented two technical papers |
| 15 | Annual conference of the Japanese Association for Wind Engineering | Tokyo University, Tokyo | 31st May – 1st June 2004 | Presented a technical paper |

**Invited Technical Assignments / Responsibilities**

1. Chaired more than twenty technical sessions during International and National Conferences.
2. Appointed as a nominee of VTU Belagavi to the “IQAC Member” of PDACE, Kalaburagi (Autonomous), from 31st Jan 2022 to 30th Jan 2025.
3. External expert member for Faculty selection committee **(i)** MAHE Manipal 12th August 2022, **(ii)** KLE Technological University, Hubballi 11th February 2022, **(iii)** Dr. M. S. Sheshgiri College of Engineering and Technology, Belgaum 21st and 22nd September 2021 and **(iv)** KLE Technological University, Hubballi 13th and 14th September 2021 and **(v)** External expert member for Principal Selection Committee Don Bosco College of Engineering, Goa, on 20th June 2017.
4. VTU Nomination to the Board of Studies in Civil Engineering of SDM College of Engineering and Technology, Dharwad.
5. Member of Advisory, Organising and Technical committees of several International and National Conferences and workshops.
6. Involved in Academic auditing of SDM Dharwad and SIT Tumkur .
7. Delivered more than 75 invited talks.
8. Reviewer for Journal of Construction and Building Materials, Environmental and Waste Management, Advances in Concrete Construction, Tall Buildings.
9. Completed the prestigious Programme of Ministry of Education, Leadership for Academicians Programme LEAP 2020, organized by IIT Kanpur.

**Sponsored R & D Projects**

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

**M.Tech –** 62 Students.

**B. Tech –** 40 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.

Manual for Deconstruction Towards Recovery and Utilization of Construction and Demolition Waste **-** Published by giZ on behalf of Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety of the Federal Republic of Germany, May 2017.

**Experience in administrative positions, curriculum and lab development, and student welfare**

**Administrative positions**

1. Dean (Planning & Development) from 1st August 2018 to 31st July 2021.
2. Coordinator Centre for Disaster Risk Reduction from June 2016 to May 2018.
3. 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. Senate Member since 2011 to date.
9. Involved in various capacities for success of DASA – Member of DASA implementation committee, Publicity committee and Applications Scrutiny committee, for 2011 to 2014 admissions.
10. Doctoral Thesis Assessment Committee Member for several NITK students.
11. Maintenance warden of NITK hostels for two years [2000-2002].
12. Faculty In-charge of Water Supply and Systems for five years [2005-2010].
13. 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.
14. Nine member committee constituted for drafting the Vision and Mission statement for the Institute.
15. Member of Institute Master Plan Committee.

**Curriculum and laboratory development**

1. Active participation in curriculum revision workshops and meetings.
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.

**Membership of professional bodies**

1. Fellow Institution of Engineers India
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 of the Association of Consulting Civil Engineering
7. Member International Society for Hydraulic Research.

**Countries visited**

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| --- | --- | --- | --- |
| **Sl. No.** | **Country visited** | **Purpose** | **Year and Place** |
| 1 | Canada | To present a technical paper during, the 7th International Colloquium on Performance, Protection and Strengthening of Structures Under Extreme Loading and Events, PROTECT 2019. | Sept. 16-17th 2019  Whistler, BC, Canada |
| 2 | 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”. | 28-30th June 2015, East Lansing, Michigan State University. |
| 3 | China | To present a technical paper in the International Conference on “Structures in Fire” | 9-15th June 2014, Shangai |
| 4 | UAE | Publicity for DASA Scheme of MHRD, to attract prospective students for B Tech Programme.  International Higher Education Exhibition. | 10-15th April 2014, Dubai |
| 5 | Oman | Publicity for DASA Scheme of MHRD, to attract prospective students for B Tech Programme.  International Higher Education Exhibition. | 23-25th April 2013, Muscut |
| 6 | Japan | International conference | 2011, Kumomoto |
| 7 | England | India UK Education and Research Initiative collaborator. | 2010 Dundee & Birmingham |
| 8 | Australia | Research Interaction with Prof. Priyan Mendis, University of Malbourne | 2008, Melbourne |
| 9 | Australia | International conference | 2007, Cairns |
| 10 | Japan | International conference | 2006, Yokohama |
| 11 | USA | International conference | 2005, Lousiana |
| 12 | Czech Republic | International conference | 2005, Prague |
| 13 | Korea | International conference | 2004, Seoul |
| 14 | Japan | Post-doctoral work | 2003-2005, Tokyo |