

Dr. Nalina M M

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EDUCATIONAL QUALIFICATION

- Ph. D in Faculty of Civil Engineering Sciences from Visvesvaraya Technological University (VTU) earned during April, 2023.
 - Thesis titled – “**Prediction of characteristic compressive strength of masonry and its influence in design**”.
 - Research Centre - Department of Civil Engineering, BMS College of Engineering, Bengaluru
 - Research Supervisor – **Dr. Mangala Keshava**, Professor, Department of Civil Engineering, BMS College of Engineering, Bengaluru -19
- Master of Technology (M Tech) in “Construction Technology” from BMS College of Engineering, Bangalore under Visvesvaraya Technological University (VTU), Belgaum during the year 2012 with an aggregate of 88.3% securing First Rank and Gold Medal from the university.
- Bachelor of Engineering in “Civil Engineering” from Dayananda Sagar College of Engineering, Bangalore under Visvesvaraya Technological University (VTU), Belgaum during the year 2009 with an aggregate of 72.12% securing First Class with Distinction.

AREAS OF INTERESTS

- Structural Masonry, Sustainable and alternate building materials and technologies
- Concrete Technology
- Transportation Engineering

CURRENT POSITION

- **Name of the Institution:** B.M.S College of Engineering, Bengaluru
- **Affiliation:** AICTE approved, affiliated to VTU, Belgavi, Karnataka
- **Department:** Civil Engineering
- **Designation:** Assistant Professor
- **Date of Joining:** 02nd August, 2023
- **Total no. of experience (in years):** 12 years (Till date in total)

- **Subjects taught:** Urban Transportation and Planning, Transportation Engineering – Highways, Design Concepts of Building Services, Construction Management and Entrepreneurship, Water Supply and Treatment Engineering, Analysis of Indeterminate Structures, Elements of Civil Engineering and Engineering Mechanics, Concrete Technology, Geodesy, Biology for Engineers

PREVIOUS TEACHING EXPERIENCE – As an Assistant Professor

- **Name of the Institution:** B.M.S Evening College of Engineering, Bengaluru from 30th August 2018 – 31st July 2023
- **Name of the Institution :** Vidya Vikas Institute of Engineering & Technology, Mysuru from 10th August 2012 – 16th May, 2017

PUBLICATIONS

1. Nalina M M, Mangala Keshava, S Raghunath, K S Jagadish, “Stress reduction factors for brick masonry using the classical secant formula” AIP Conf. Proc. 2856, 040002 (2023) <https://doi.org/10.1063/5.0165286>. Published on 22-09-2023
2. Mukunda Matada Nalina, “Efficacies of suggested strength-based prediction models for estimation of compressive and tensile properties of normal concrete”, CHALLENGE JOURNAL OF CONCRETE RESEARCH LETTERS 14 (2) (2023) 47–58, ISSN: 2548-0928 / DOI: <https://doi.org/10.20528/cjcr1.2023.02.003>. Published on 21-06-2023
3. Nalina M M, Mangala Keshava, S Raghunath, K S Jagadish, “**Computations of characteristic compressive strength and design vertical load resistance of brick masonry**”, Journal of Institution of Engineers India – Series A, 25th October , 2022, <https://doi.org/10.1007/s40030-022-00691-9>.
4. Nalina M M, Mangala Keshava, “**Prediction of characteristic compressive strength of masonry through various methods**”, International Journal of Recent Technology and Engineering, Volume 8, Issue 5, January 2020.
5. Nalina M M , Soumya J, Tousif Ulla, Ananda K N, Ganapathi Naik, “**Effects of use of Metakaolin and Pond Ash in different types of Concrete**”, International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 06 | June 2019.
6. Nalina M M, Mangala Keshava, S Raghunath, “**Influence of strength and elastic Properties of masonry on stress reduction factors**”, National Conference on Challenges in Research & Technology in the coming decades (CRT-2013), Shree Dharmasthala Manjunatheshwara Institute of Technology, Ujire, Karnataka, 27-28 September 2013.

PUBLICATIONS COMMUNICATED

1. Nalina M M, B H Poornima, Rashma S, Deepika R, Basavantaraya. Presented at International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD-2023) held on 7 & 8 July, 2023 at Jyothy Institute of Technology, Bengaluru on - **Quantification of water efficiencies in residential buildings through a case study** - accepted for final publication "Lecture Notes in Civil Engineering" – SpringerNature

DEPARTMENT / INSITUATION LEVEL ACTIVITIES UNDERTAKEN –

1. Played the role of one of the main Workshop Co-ordinator for the 3-day technical workshop on “Sustainable Materials and Technologies for Heritage and Traditional Buildings” from 21st December to 23rd Decemeber, 2023 held at BMSCE - Campus, Bengaluru – 19

CONFERENCES / WORKSHOPS/FDPs ATTENDED

1. Attended a 3-day technical workshop on “Sustainable Materials and Technologies for Heritage and Traditional Buildings” from 21st December to 23rd Decemeber, 2023 held at BMSCE - Campus, Bengaluru – 19.
2. Attended presented a research paper on “Quantification of water efficiencies in residential buildings through a case study” at International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD-2023) held on 7 & 8 July, 2023 at Jyothy Institute of Technology, Bengaluru.
3. Attended a two-week Value added Course on “Vibrational Analysis of Engineered Structures” organized by Dept. of Civil Engineering, BMSCE from 19th to 30th May, 2023 at BMSCE.
4. Faculty Development Program (FDP) on “Advancements in Concrete Technology and Construction Management”, conducted by Centre for Continuing Education - National Institute of Technology Warangal, from 22nd August to 26th August, 2022.
5. Six Day FDP (online) on “Sustainable Energy Efficient Green Technology”, organized by Dept. of Civil Engineering, MSRIT, Bengaluru, during 21st to 26th March, 2022.
6. Attended and presented a research paper in 4th International Conference on Innovations in Civil Engineering on 14th and 15th January 2022 organized by Department of Civil Engineering, SCMS School of Engineering and Technology, Karkutty, Kerala.
7. Two-Day National Webinar on “ Research Structuring, Statistical Insights & Publication Strategies” organized by National Foundation for Entrepreneurship Development, Coimbatore, Tamil Nadu on 28th & 29th November, 2020.

8. ISTE-BMSCE chapter along with Dept. of Civil Engineering organized one week – online faculty development program on “Structural Health Monitoring and its implications” from 15th June, 2020 to 19st June 2020, BMSCE, Bengaluru.
9. Web based Workshop on “Sustainability in Buildings and Built Environment as per NBC 2016” jointly organized by BIS, Ramco and ASGC on 12th June, 2020.
10. Workshop on “Data Analysis using SPSS – A foundation course for researchers” conducted by Rehoboth Academic Services on 15th February, 2020.
11. ISTE-BMSCE chapter along with Dept. of Mechanical Engineering organized one week faculty development program on “Outcome based education and accreditation” from 27th January, 2020 to 31st January 2020, BMSCE, Bengaluru.
12. TEQIP sponsored One-day workshop on “Bamboo Based Construction” held on 15th December, 2015 organized by Department of Civil Engineering, The National Institute of Engineering, Mysuru.
13. TEQIP sponsored one-day workshop on “Alternate Building Materials and Technology” held on 22nd December, 2014 organized by Department of Civil Engineering, The National Institute of Engineering, Mysuru.
14. One-day workshop on “Concrete Mix Design” held on 10th December, 2013 conducted by ACCE (Mysore Chapter) in collaboration with UltraTech Cement Ltd and Department of Civil Engineering, The National Institute of Engineering, Mysuru.
15. TEQIP sponsored One-day workshop on “Design of Masonry Structures” held on 17th August, 2013 organized by Department of Civil Engineering, The National Institute of Engineering, Mysuru.
16. One-day Faculty Development Program on “Protection of Potential Inventions through Patent Filing”, organized by Department of Electronics and Communications Engineering, Vidya Vikas Institute of Engineering and Technology, Mysuru in association with CII, on 27th December, 2013

INDUSTRY EXPERIENCE

- **Name of the Organization:** KNK Nexgen Constructions Pvt Ltd.
- **Contact Address:** #19, 33-A Cross, 11th Main, Jayanagar 4 ‘T’ Block, Bangalore – 560 041
Tel- 91-80-26631603, E-mail: knk@knkindia.com
- **Designation:** Trainee Engineer
- **Duration:** June, 2009 – November, 2009
- **Responsibilities:** Office Work : Billing approval on Quadra ERP Solutions, Receivable payment statements of the project, Co-ordination with Site Office and Head Office, Tendering Management