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FACULTY PROFILE

Name : **Dr. Santhosh M. Malkapur**



Designation : **Professor**
Department : **Civil Engineering**
Employee ID : **TCV028**
E mail ID : **sm.malkapur@gmail.com**
(College official ID), **smmcv@becbgkedu.com**
(Personal mail ID)

Contact details : **Dr. Santhosh M. Malkapur,**
Department of Civil Engineering,
Basaveshwar Engineering College, Bagalkot
Email: smmcv@becbgkedu.com

Orcid ID : **0000-0002-5877-4119**
Scopus ID : **56565581400**
Vidwan Id : **147038**
Researcher ID (Web of Science) :
Google Scholar ID : **TsmkEhcAAAAJ**

Qualification : **Ph.D.**
Professional Experience
Teaching experience : **5.5 Years**
Industry experience : **2.5 Years**
Administrative Responsibilities :

Teaching :
No. of Projects Guided
UG : **06**
PG : **10**
Research
Interest Area : 1) *Radiation Shielding*
2) *Sustainable Construction Materials*
3) *Building Thermal Comfort*
4) *Alternative Binding Materials*

No. of Research Scholars
Pursuing : **Nil**
Awarded : **Nil**
Patents : **Nil**

Research Grants : **Nil**

Publications : 1) *Santhosh M. Malkapur, Mattur C. Narasimhan, Book chapter (Chapter 10) (2019) titled 'Performance of concrete mixes incorporated with waste plastics powder for neutron radiation shielding', for the book titled "Use of recycled plastics in eco-efficient concrete", Edited by F. Pacheco-Torgal, University of Minho, Published by Wood Head Publishing, Elsevier, Netherlands.*
Books/Chapters

Journals (with citations) : 1) *Santhosh M. Malkapur, Sooraj V.S., Divakar L., Narasimhan Chandrashekara Mattur, B. N. Karkera, P. Goverdhan, V. Sathian, (2017) "Fresh and hardened properties of polymer incorporated self compacting concrete mixes for neutron radiation shielding" Construction and Building Materials, 157, 917–929, Elsevier Publishers. (Citations-08)*
2) *Santhosh M. Malkapur, Divakar L., Narasimhan Chandrashekara Mattur, B. N. Karkera, P. Goverdhan, V. Sathian, (2017) "Neutron radiation shielding properties of polymer incorporated self compacting concrete mixes", Applied Radiation and Isotopes, 125, 86-93, Elsevier Publishers. (Citations-11)*
3. *Santhosh M. Malkapur, Narasimhan Chandrashekara Mattur, B. N. Karkera, P. Goverdhan, V. Sathian, (2015) "Effect of mix proportions and hydrogen loading on the neutron radiation shielding characteristics of concrete mixes", Progress in Nuclear Energy, 83, 8-12, Elsevier*

Publishers. (Citations-26)

4. **Santhosh M. Malkapur**, Ashish Anand, Amit Prakash Pandey, Alok Ojha, NimeshMani, and Narasimhan Chandrashekar Mattur, (2014) “Effect of Mix Parameters on the Strength Performance of Waste Plastics Incorporated Concrete Mixes”, *Journal of Structures*, Hindawi publishers (2014). (Citations-05)

5. **Santhosh. M. Malkapur**, Mattur C. Narasimhan, B.N. Karkera, (2013) “Gamma radiation shielding characteristics of concrete mixes- The state-of-art”, *International Journal of Earth Science and Engineering*, Cafetinova publishers. (Citations-0)

6. **Santhosh M. Malkapur**, Narasimhan Chandrashekar Mattur, B. N. Karkera, P. Goverdhan, V. Sathian, (2021) “Studies on wastepolymer incorporated concrete mixes for neutron and gamma radiation shielding”, *Progress in Nuclear Energy*, Accepted for publication Elsevier Publishers.

Conferences

- : 1. Dilip Kumar, M V Ranjani, **Santhosh M. Malkapur**, Mattur C Narasimhan, “Performance of Concrete Mixes Using Recycled Aggregates– A Study Based on Taguchi’s DOE Method”, *Proceedings of 3rd UKIERI Concrete Congress, New Delhi 3-5th March 2012.*
- 2. **Santhosh M. Malkapur**, M, Mattur C. Narasimhan, B.N. Karkera, “Gamma radiation shielding characteristics of concrete mixes- The state-of-art”, *3rd International Engineering Symposium – IES 2013, Kumamoto University, Japan during 4-6 March 2013.*
- 3. **Santhosh M. Malkapur**, Ananth Iyengar, Florence Falguni, “Studies on the thermal characteristics of mortar mixes with varying dosages of fly ash and GGBS”, *International Conference on Building Energy Demand Reduction in Global South, BUILDER 2019, New Delhi.*
- 4. Diwakar L, **Santhosh M. Malkapur**, ManojKumar, “ Studies on combined fly ash and GGBS based alkali activated concrete mixes with waste iron chips as partial replacement to fine aggregates” Accepted for publication, *International conference , ICoBM, Oslo, Norway.*

Invited Talks

- : 1) National seminar on “**Engineering challenges related to the concept of new materials in Construction Industry**” on the occasion of Engineers day to commemorate the **158th birthday of Sir.M.Visvesvaraya**. held at dayanand Sagar College of Engineering, Bengaluru held on **19th Sept 2018** funded by “**SERB- Science and Engineering Research Board**”
- 2) One week FDP on “**Sustainable materials used in construction**” to be held at Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune. My talk is being scheduled on 12-06-2018

3) *Innovations in Green Building and Sustainable Developments" 4-6, June 2020, Organised by RIT Islampur, Sangli Maharashtra.*

Events Organized

- : 1) *Organized Webinar for UPSC/KPSC aspirants held on 02-01-2021 speaker: Shri. Lokesh B. Jagalasar (Superintendent of Police), Bagalkot.*

**Conferences/ Symposiums/
Workshops/ Training
Programs Attended**

1. *"Concrete for Coastal Environment" conducted by Department of Civil Engineering, NITK, Surathkal, Karnataka, India during 7th & 8th October 2008.*
2. *National workshop on "Predictive mathematical models in science and engineering" conducted by MIT Manipal during 25th -27th march, 2011.*
3. *"Fuzzy Logic, Genetic Algorithm with Wavelet Transformation in Civil Engineering" conducted by Department of Applied Mechanics & Hydraulics, NITK, Surathkal, Karnataka, India during 27th June 2011 to 1st July 2011.*
4. *National workshop on "Conversation of Water Resources of West Flowing Rivers in Coastal Karnataka" conducted by Department of Applied Mechanics & Hydraulics, NITK, Surathkal, Karnataka, India during 14th December 2012 to 15th December 2012.*
5. *Workshop on "Applications of statistical and soft computing techniques in engineering research", conducted by Canara college of engineering, Mangalore, 29th -31st July, 2013.*
6. *International workshop on "Civil infrastructure and structural materials", conducted by Department of Civil Engineering, NITK, Surathkal, Karnataka, 28th -29th (July 2013).*
7. *National workshop on "Design and Development of Sustainable Concrete in the Era of Global Warming", conducted by Department of Civil Engineering, NITK, Surathkal, Karnataka, 09-10th January, 2017.*
8. *Attended Two day National Seminar cum Deminar organized by Indian Concrete Institute (ICI), on 27th and 28th February 2017 at NIMHANS conventional Center, Bangalore*

Awards and Honors

- : 1) *Best Doctoral Thesis in Civil Engineering award for the year 2017 by Indian Concrete Institute (ICI).*