

PROFILE of Dr. S. SURESH

Name : Dr. Suresh S.
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Education

- B. Sc Engineering (Civil Engg.), University of Kerala (1983)
- M. Tech. (Structural Engg.), Indian Institute of Technology Madras (1991)
- Ph. D. (Structural Engg.), Indian Institute of Technology Madras (2001)

Professional Experience

- 33 years of Teaching and Research

Research Interest

- Structural Engineering, Construction Materials, Energy Management, Repair and Rehabilitation of Structures, RCC, Prepacked Concrete, SCC, FRC

Consultancy and Sponsored Projects

- Co Principal Investigator of RPS of AICTE (2007) Project Title: Studies on Chemical Durability and Volume Stability of High-Performance Concrete Incorporating Different Supplementary Cementing Materials Grant received: 4.5 Lakhs Duration of the Project : Two Years
- Co Principal Investigator of MODROBS of AICTE (2006-07), Project Title: Modernisation of Material Testing Laboratory, Grant received: 7 Lakhs, Duration of the Project : One Year

Awards and Honours

- Certificate of Merit, TKMCE, for securing highest mark in Civil Engineering from TKMCE in 1983.
- Alumni Proficiency award, for overall performance in Civil Engineering Dept., TKMCE during 1982-83.

- Capt. Vijayakumar Memorial Prize, 1983 – for securing highest mark in Civil Engineering from TKMCE in 1983.
- P. P. Nair Gold Medal, 1983 – for securing highest mark in Civil Engineering from TKMCE in 1983.
- Swaroop Kumar Memorial Gold Medal, 1983 – for Best outgoing student in Department of Civil Engineering TKMCE in 1983

Membership in Professional Bodies

- Fellow, Institution of Engineers (India) (FIE)
- Life Member, Indian Society of Technical Education (ISTE)
- Life Member, Quilon Management Association (QMA)
- Life Member, Energy Conservation Society (ECS)
- Life Member, Institute for Steel Development and Growth (INSDAG)
- Life Member, Indian Association for Structural Engineering (IASE)
- Life Member, Indian Concrete Institute (ICI)

Duties undertaken

- Chairman BOS in Engineering (UG), University of Kerala (2011-14)
- Member, BOS in Engineering (PG), University of Kerala (2011-14)
- Member, Faculty of Engineering and Technology, University of Kerala (2011-14)
- Member, M Tech.(Structural and Construction Management) Regulation, Scheme and Syllabus revision, University of Kerala (2013 Scheme)
- Convener, B Tech./B Arch Regulation, Scheme and Syllabus revision, University of Kerala (2013 Scheme)
- Member, BOS in Engineering (UG), University of Kerala (2014-17)
- Member; Technical Sanction Committee, Kerala Academy for Skills Excellence Department of Labour and Rehabilitation, Government of Kerala
- Member and Convenor, Technology Innovation Group: Expert Group on Total Housing Mission, State Planning Board, Government of Kerala
- HOD, Dept of Civil Engineering, TKMCE (2016-17)
- Coordinator- NBA /NAAC Committee, TKMCE
- Coordinator- IE Student's Chapter (2013-14)
- Coordinator PG Course, Department of Civil Engineering, TKMCE (2014-15)
- Academic Coordinator (UG), Department of Civil Engineering, TKMCE (2012-14)
- Lab in Charge (PG Structural Engg.Lab, 2001-09; SM Lab, 2009-12)

- In Charge Maintenance Cell, Dept of Civil Engineering (2001-2014)
- Academic coordinator- Foreign students (2005-2009)
- Coordinator – Career Guidance Cell (2006-2011)
- Coordinator – Training and Placement Cell (2011-13)
- Member, Organizing Committee International Conference, ICMSC 2013

Courses and Training Attended

- Architectural Acoustics- Civil Engg. Dept., REC Calicut, May 1987.
- Recent Developments in Concrete Technology- LBSERC, Thiruvananthapuram, Sept. 1987.
- Rural Housing and Village Planning- R&T Centre, Thiruvananthapuram, National Buildings Organisation, February, 1988.
- Advances in Steel Structures- IIT Madras- February 1990.
- Structures for Nuclear Power Plants- Civil Engg. Dept., IIT Madras- June 1990.
- Ecology of the City- Department of Architecture, College of Engineering. Thiruvananthapuram- April 1991.
- Computational Methods in Civil Engg.- Civil Engineering Dept., College of Engg. Thiruvananthapuram - May 1991.
- Advanced Bridge Deck Analysis and Design- Civil Engineering Dept., IIT Madras- June 1991.
- Construction Programming and Management- Civil Engineering Dept., TKMCE, Kollam- May 1992.
- Model Analysis and Testing of offshore structures-Ocean Engg. Centre, IIT Madras-June 1995.
- Disaster Mitigation- An Update for Civil Engineers- Civil Engineering Dept., TKMCE, Kollam- October 2000
- Emerging Trends in Planning- Towards a New Millenium- Architecture Dept., TKMCE, Kollam- November 2000
- Advances in Concrete Technology and Practice- Civil Engineering Dept., IIT Madras- December 2000.
- Accreditation of the AICTE NBA- How to Prepare for it? National workshop at NSS College of Engineering, Palakkad-September 2001.
- Structural Steel Design, Civil Engineering Dept., NIT Surathkal - March 2003.
- Modern Construction Materials and Techniques, NITTTTR, Ministry of Human Resource Development, Chennai, August 2008.

- Advances in Hydrosystems Modeling and Climate Change Impact Assessment, Civil Engg. Dept., TKMCE, November 2013.
- Total Station and GPS, Civil Engg. Dept., TKMCE, November 2013.
- Water and Wastewater Management, Chemical Engg. Dept., TKMCE, November 2013.
- Waste Management-Issues and Priorities, Civil Engg. Dept., TKMCE, March 2014.
- New Frontiers in Geotechnical Engineering, Civil Engg. Dept., TKMCE, June 2014.

Books:

- Editor - Proceedings of Second National Conference, FACE 2008, TKMCE, Kollam, Feb 21-23, 2008

International Journals:

- Anupama Nazeer, Nizad and Suresh, Strength Studies on Metakaolin Modified Cement Mortar With Quarry Dust As Fine Aggregate, Int. J. on Civil and Environmental Engineering, Vol. 01, No. 01, Feb 2011, pp. 1-5
- Gouri Mohan, Nazeer, Nizad, and Suresh, Fibre Reinforced Concrete – A State-of-the Art Review, International Journal of Earth Science and Engineering, Vol. 03, No. 4 – Spl issue, July 2010, pp. 634-642

National Journals:

- Lalu Mangal, Arun Edwin and S. Suresh, Studies on Fibre Reinforced Prepacked Concrete, Indian Concrete Journal, October, 2009
- Lalu Mangal, S. Suresh and M. Sirajuddin, Non-Linear Soil Structure Interaction of Annular Foundation, Journal of the Institution of Engineers (India) February 2000
- S. Suresh, C. Y. Shivaji and P. K. Aravindan, Analysis of Annular Raft Foundation for tower considering soil-structure interaction, Civil Engineering and Construction Review (CE&CR) (Journal) April, 1992

International Conference:

- Rinju R Mathew and S. Suresh, An experimental study on the strength and durability of self compacting concrete with fibrillated poly propylene fibre , Proceedings of the International Conference on Modelling and Simulation in Civil Engineering (ICMSC 2011),TKMCE, Kollam, India. December 2011
- Anupama, P.S., Nazeer, Nizad, and Suresh, S, Strength Studies on Metakaolin Modified Cement Mortar with Quarry Dust as Fine Aggregate. Proceedings of International Conference on Advances in Civil Engineering, 2010. pp. 54-59

- Gouri Mohan, Nazeer, Suresh, Nizad, Fibre Reinforced Concrete-A State-of-the Art Review, Proceedings of the International Conference on Advances in Concrete, Structural and Geotechnical Engineering (ACSGE 09), BITS Pilani, October, 2009
- Anish Sankar, A. Nizad, and S. Suresh, Flexural Behaviour of Reinforced Prepacked Concrete, Proceedings of International Conference on Recent Developments in Structural Engineering (RDSE- 2007), MIT, Manipal, August 2007
- S. Suresh and P .K. Aravindan, Behaviour of Reinforced Concrete Beams with rectangular web openings, Proceedings of the International Conference on Theoretical, Applied, Computational and Experimental Mechanics, ICTACEM'99, IIT Kharagpur December, 1999

National Conference:

- Nishi P. Devadas and Suresh S, Performance of Fibre Reinforced Concrete, Proceedings of the National Conference on the Advances in Civil Engineering (NACE'11), MBCET, Trivandrum, December 2011
- Gouri Mohan, Nazeer, Suresh, Nizad, Testing of Fibre Reinforced Concrete-Need for Standardisation, Proceedings of the National Conference on Recent Developments in Civil Engineering (NCRDCE-09), April 2009
- LaluMangal, Arun Edwin and S. Suresh, Flexural Properties of Fibre Reinforced Prepacked Concrete Slabs, Proceedings of FACE 08, 2nd National Conference on Focusing on Advances in Civil Engineering, TKMCE, Kollam, Kerala, February 2008
- Chinsu Mereena Joy, M. Nazeer, S. Suresh and A. Nizad, Durability Studies of Metakaolin Admixed High Strength Concrete-An Experimental Study, Proceedings of FACE 08, 2nd National Conference on Focusing on Advances in Civil Engineering, TKMCE, Kollam, Kerala, February 2008
- Chinsu M J, M. Nazeer, S. Suresh and A. Nizad, Durability Studies of Metakaolin Admixed High Strength Concrete-An Experimental Study, Proceedings of Second National Conference on Materials and Structures (MAST), NIT Warangal, December 2007
- Chinsu Mereena Joy, M. Nazeer, S. Suresh and A. Nizad, Sulphate Resistance of Concretes Incorporating Supplementary Cementitious Materials- A search on Recent Literature, Proceedings of National Conference on Focusing on Advances in Civil Engineering, FACE 2007 , TKMCE, Kollam, Kerala, February 2007.
- Yashida Nadir, S. Suresh and M. Sirajuddin, Analytical Study of Foundation having Partial Contact with Soil, Proceedings of National Conference on Focusing on Advances in Civil Engineering, FACE 2007, TKMCE, Kollam, Kerala, February 2007.