

BIODATA

Name : Dr. Bindu C.S

Designation : Professor

Date of Birth : 25.05.1967

Official address : Professor of Civil Engineering, School of Engineering, CUSAT, Kochi-22

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Qualifications

B.Tech	Govt. Engineering College, Thrissur, University of Calicut	1990	Civil Engineering	First Class with Honours
M.Tech	College of Engineering, Trivandrum, University of Kerala	1992	Transportation & Traffic Engineering	First Class with Distinction
Ph.D	Cochin University of Science & Technology, Kochi	2012	Influence of additives on the characteristics of stone matrix asphalt	

Research Interests

Pavement Materials
Warm mix Asphalt Technology
Liquefaction Studies on Sand Deposits
Recycling of bituminous mixes for Sustainable highway pavements
Interlocking Concrete Block Pavements

Papers Published

Journals

1. “Performance Comparison of Hot Mix Asphalt and Warm Mix Asphalt with Cashew Nut Shell Liquid (CSNL) as an organic additive”, ASCE's Journal of Transportation Engineering: Part B, Pavements. 2019, 145(1): 04018063
2. Tensile strength Characteristics of Stone Matrix Asphalt with fibre additives. International Journal of Engineering & Management Research, Vol 1 , Issue 5, 2017
3. Shear Strength Characteristics of Coir Fibre Stabilised Stone Matrix Asphalt Mixtures , International Journal of Sustainable Construction Engineering & Technology, Vol 6, No 2, 2015.
4. Influence of Waste Materials on Flexible Pavement Construction, Indian Journal of Applied Research Volume : 5 , Issue : 9,| September 2015,427- 430
5. Influence of additives on the drain down characteristics of stone matrix asphalt mixtures, International Journal of Research in Engineering and Technology, Volume: 03 Issue: 07, Jul-2014, 83 - 88
6. Comparison of shear strength characteristics of Stone Matrix Asphalt mixture with waste plastics and polypropylene, International Journal of Structural. & Civil Engineering Research, Vol. 2, No. 4, 13 – 21,2013
7. Coir fibre as a stabilizing additive in Stone Matrix Asphalt” International Journal of Earth Sciences and Engineering, Vol 04,2011, No. 1, pp165 -177
8. “Use of waste plastic in road construction”, Journal of the Technology World, Vol .V Issue – 1, 2010, ,pp 91 – 100.
9. “Waste plastics as stabilizing additive in Stone Matrix Asphalt”, International Journal of Engineering and Technology, Vol.2 (6), 2010, ,pp 379-387.
10. “Utilization of Coir fibre in Bituminous Concrete mixes”, Indian Coconut Journal-Vol. L 11, 2009, No: 8, pp 18 -22 .

Conference Proceedings

1. “ Road Development Plan- A case study in Kochi, Proceedings of the International Conference on Recent advances in Civil Engineering(ICRACE’16), CUSAT, Kochi.
2. “Shear strength characteristics of stone matrix asphalt mixture with coir fibre as additive”, Proceedings of the Fifth National Conference on Recent advances in Civil Engineering, RACE(2012), CUSAT.
3. “Coir fibre modified Stone Mastic Asphalt: A new material for pavements”, Proceedings of the National Conference on Recent advances in Construction and Concrete Technology, 2010, pp33- 41.
4. “Seaport Airport Road in Kerala- A Case Study.”Third CUSAT National Conference on Recent Advances in Civil Engineering, Kochi, Kerala, 2008
5. Revival of T - S Canal in Varkala region for inland water transportation. Proceedings of the second National Conference on Recent Advances in Civil Engineering, 2006
6. Modification of Bitumen using Elastomers, First National Conference on Recent Advances in Civil Engineering 2004

Ongoing Research projects and consultancies

Title	Agency	Period	PI/ Co-PI
Testing of aggregates, bituminous materials and Mix Design of various mixtures for base/surface course of pavements.	DMRC, Govt. agencies like MES, CPWD, PWD and other private agencies		Consultant
Liquefaction Studies on Sand Deposits in Kerala	KSCSTE	2017-20	Co Investigator

Membership of Professional Societies

Life Member - Indian Roads Congress,
Life Member - Indian Society for Technical Education
Life Member –Indian Geotechnical Society,
Life Member - Indian Society of Systems for Science and Engineering