

RESUME

28-01-2022

Name : **Dr. SUREKA NAAGESH**
Designation & Address: PROFESSOR,
Department of Civil Engg,
BMS College of Engg,
Bull temple road,
Basavanagudi
Bangalore-560019
INDIA

Highest Qualification: B.E (Civil Engg), M.E, Ph.D (Geotechnical Engineering)

Mail id: rs.civ@bmsce.ac.in

Ph.D : Awarded in 2008 from Bangalore University.

Research area: “Laboratory Studies on Swelling Behavior of Bio-enzyme treated Expansive soils”.

Membership of Professional Bodies: 1)Life member of Indian Society for Technical Education
2) Indian Geotechnical society

RESEARCH GUIDANCE: VTU

Number of Ph.D scholars	04	Submitted :01 Ongoing : 03
Number of M.Sc Engineering	03	Awarded: 02 Ongoing :01

Areas of Research interest:

Soil chemistry, Expansive soil, Flexible pavements, and Soil modification using waste materials.

Number of M.Tech projects supervised : 18

Publications: In the area of subgrade and expansive soil behavior.

Total number of publications	31
International Journal	15
International conference	03
National conference	13

Academic responsibilities:

1	NBA coordinator	2013 -2021
2	Department academic committee member	2013 onwards
3	Audit committee member	2013 onwards
4	BOS member	2017 till date
5	BOE member	2012 till date
6	Curriculum design coordinator	2014-2021
7	Equivalence committee convenor	2015 -2021
8	Geotechnical Laboratory faculty in charge	2011 till date
9	Class Time table coordinator	1996-2004 2009-2012
10	IIRS outreach programme coordinator	2015-17 2019-21

FDP and Conferences conducted

1	Competent Engineering Teaching – Challenges and Solutions (CETCS-2014) sponsored by TEQIP-II	18 th to 22 August 2014
2	One Day National Level Workshop on Emerging Trends in Transportation Engineering and Management NETTEM – 2015	Friday 17 th April, 2015
3	THIRD CONFERENCE ON Transportation Engineering Systems and Management (CTSEM-2016) TEQIP-II	24 th -25 th November 2016, BMSCE
4	<u>WORKSHOP ON STARTUPS:</u> Skill development and Opportunities, TEQIP –III, Dept of Civil Engineering and Bio Technology.	January 29 and 30 th 2018
5	IGBC STUDENT CHAPTER Inauguration	5 th Nov 2019
6	Conducted Webinar on “SUSTAINABLE CONSTRUCTION”	11 th to 13 th June 2020

Consultancy:

1	Testing of aggregates for NHEPC , Goa through IISC Bangalore
2	Testing of soil- CBR, Bidar
3	Testing of soil for CBR at a site of Century Builders
4	Soil investigation SBC of residential plots in around Bangalore. (About 50 numbers).
5	Site investigation and evaluation of foundation details at Dharwad, Referred by ACP, Dharwad
6	Soil testing and evaluation of SBC at ward No.164, CT bed located at Channammanakere Achukkatu -for BBMP-Bangalore
7	Soil testing to evaluate SBC at a site located at Chitradurga , KK education Trust
8	Soil investigation and testing for state highway & national highway projects. and few more....

Research PUBLICATIONS:

INTERNATIONAL JOURNAL:

- 1 Sureka Naagesh, S. Gangadhara, “Swelling properties of bio enzyme treated expansive soil”, IJES, International Journal of Engineering Studies, ISSN 0975- 6469, Volume 2, Number 2 (2010),pp. 145–159,Research India publication**
- 2 Sureka Naagesh, S. Gangadhara, “Swelling behavior of bio enzyme treated expansive soil”, International Journal of Earth Science and Engineering, ISSN 0974-5904, Vol 04, No.03, June 2011, pp 555 -560, Cafet Innova publication**
- 3 Sureka Naagesh, R. Satyamurthy, Sudhanva.S, “Laboratory studies on strength and bearing capacity of GSB-soil subgrade composites” International Journal of innovations in engineering and technology, Vol 2, Issue 2, April 2013, ISSN 2319-1058, pp 245-254, SN Publishers, .**
- 4 Sureka Naagesh, Harini. H.N, “Predicting CBR of fine grained soils by Artificial neural network and multiple linear regression” International Journal of Civil Engineering & Technology, IJCIET, Volume 5, Issue 2, February (2014), pp. 119-126 , ISSN 0976 – 6308 (Print) ISSN 0976 – 6316(Online)**
- 5 Sureka Naagesh, Najia Nouf, “Effect of RBI-81 on properties of black cotton soil” International Journal of Recent Development in Engineering and Technology, IJRDET, (ISSN 2347-6435(Online) Volume 3, Issue 2, August 2014 PP 67-73**
- 6 Sureka Naagesh, pallavi.H.N, “Effect of addition of lime on properties of RBI-81 treated expansive soil subgrade” IOSR Journal of mechanical and civil Engg, Vol12, issue2, version III, March-April-2015, pp1-8, IISN 2320-334X**
- 7 Sureka Naagesh, S.A Kanalli, Ganesh.K, “A Review on utilization of mine waste on black cotton soil”, IJRET: International Journal of Research in Engineering and Technology eISSN: 2319-1163 | pISSN: 2321-7308 Volume: 04 Issue: 07 | July-2015, Available @**

<http://www.ijret.org> 499-504

- 8 **Sureka Naagesh, Srinivas, Gangadhara, “Development of Regression Equations to Predict C.B.R of Black Cotton Soils of Karnataka, India”**
International Journal of Civil Engineering Research. ISSN 2278-3652 Volume 7, Number 2 (2016), pp. 135-152 © Research India Publications
- 9 **Sureka Naagesh, Mohan kumar, Madhukaumar, Jagadeesh “laboratory studies on stabilization of black cotton soil with flyash and geo-polymer for low volume roads”**
The International Reviewer
Volume 3 | Issue 1 | January - June 2016 | pp. 5-8 | ISSN 2395-1575
- 10 **Sureka Naagesh, Vivek, H.S Jagadeesh, “Strength and Rutting Characteristics of WBM with Partial Replacement of Aggregates by Steel Slag”** *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, pp-ISSN: 2320-334X, Volume 15, Issue 1 Ver. I (Jan. - Feb. 2018), PP 07-15 www.iosrjournals.org*
- 11 **Sureka Naagesh, Suman, “A review on usage of copper slag”**
IJREAM, FEB 2019, UGC recognized, International Journal for Research in Engineering Application & Management (IJREAM) ISSN : 2454-9150 Vol-04, Issue-11, Feb 2019
- 12 **Sureka , shravan, et.al “Modification of Engineering Properties of Clayey Soil by Addition of Mine Waste”** *IJITEE, OCT 2019, ISSN: 2278-3075, Volume-8 Issue-12, October 2019 Paper No.422 Scopus Indexed*
- 13 **Sureka Naagesh G. Venugopal, S. Gangadhara “Impact of RBI Grade-8I on expansive soil strength characteristics”**
Materials Today: Proceedings 46 (2021) pp 5171–5175
Contents lists available at Science Direct online March 2021
Materials Today: Proceedings journal
homepage: www.elsevier.com/locate/matpr
- 14 **Sureka Naagesh , M S.Varnitha, et.al.’**
“Use of Biosensors for Assessing Soil Stabilization with MICP-A Review”
Soil Dynamics: Select Proceedings of 7th ICORAGEE 2020, NO. 119,
April 2021 pp: 63-72 Springer Pte. Ltd
- 15 **Sureka Naagesh*, H. S. Jagadeesh and K. S. Nithin “Study on effect of laboratory roller compaction on unconfined compressive strength of lime treated soils”**
<https://doi.org/10.1186/s40703-021-00150-7> open access.
International journal of Geo engineering ,pp1-16, Aug 2021. Springer publication
<https://www.springer.com/journal/40703>

INTERNATIONAL CONFERENCE:

- 1 **Sureka, Gangadhara** *“Effect of bio enzyme stabilizer on swell pressure of an expansive soil”*, on Infrastructure development on expansive soils, INDEX-2006, Erode, Feb 2nd-3rd, 2006
- 2 **Sureka , Gangadhara** *“Swelling behavior of bio enzyme treated expansive soil“*,on expansive soil, (INDEX 2009), Adhiyamaan College of Engineering, Hosur, Aug 27-29th 2009.
- 3 **Sureka, Venugopal, Gangadhara**, Stabilization of Black cotton soil using RBI GRADE 81 AND LIME, *International conference on geotechnics for High speed corridors 25- 26 July 2019, Thiruvanantha puram , India*

NATIONAL CONFERENCE:

- 1 *“Effect of initial structure on band width of expansive soil”*, National Seminar on -Recent developments in construction in Civil Engg, REDECON-Bangalore, October 27th-29th, 2005.
- 2 *“Experimental study on the swell potential of bio-enzyme treated expansive soil”* National conference and Exhibition – Civil Engineering: Meeting the Challenges of Tomorrow, -CEMCT- 2006, November 24th – 25th at Guru Nanak Dev Engineering College, Ludhiana.
- 3 *“Swelling characteristics of an expansive soil treated with an organic liquid stabilizer”*, Recent advances in Civil Engg, RACE-2007, College of Engg and Technology, Bhubaneswar, 01-02-March 2007
- 4 *“Effect of Organic stabilizer on Atterberg limits and grain size of an expansive soil”*, National Conference on Civil Engg: Advancement and Challenges, CEAC-2007, March 9th -10th 2007, Dept of Civil Engg, M.M. college of Engineering, Ambala
- 5 *“Swelling characteristics of an expansive soil treated with non – Traditional stabilizer”*, National conference on emerging Technology and Developments in Civil Engg, ETDCE-07, 22ND-23RD March 2007, Dept of Civil Engineering, Govt. college of Engineering, Amravati, Maharashtra
- 6 *“Swelling characteristics of an expansive soil treated with non-traditional stabilizer”*, National Conference on Foundation and retaining structures,NCFRS-2007, Dept of Civil Engg, IIT- Roorkee, May 23rd-24th 2007.
- 7 *“Swelling behaviour of bio enzyme treated expansive soil”*, National Seminar on Recent trends in Geotechnical and Structural Engineering RTGSE 2007, Dept of structural Engg, MNIT, Jaipur, Dec 22-23 , 2007.
- 8 *“Index properties of bio-Enzyme treated expansive soil”*, Symposium on Engg of Ground and environmental geotechniques, SEG2 Hyderabad, 29th Feb -1st March 2008.

- 9 **“Consolidation Characteristics of Expansive soil treated with bio-enzyme stabilizer”**, Indian geotechnical Conference, (IGC-2008), Dec IISc, Bangalore.
- 10 **“Soil treated with bio enzyme stabilizer”**, Indian geotechnical Conference,(IGC-2008), IISc, Bangalore,
- 11 **“Laboratory studies on stabilization of black cotton soil with flyash and Geopolymer for Low volume Roads”**
Sureka, Mohan, H.S. Jagadeesh
Proceedings-ICCE-2015, Indian Congress of Civil Engineers, 5th Dec 2015, Acharya Institute of Technology, Bangalore
- 12 **Stabilization of black cotton soil using recron 3s fiber and fly ash’**
Sureka, Mahesh, Venugopal, Gangadhara,
“National conference on “ Transportation systems engineering and management CTSEM 2016, November 24-25, 2016, BMSCE. Pp 397- 406
- 13 **“Study on the CBR strength of subgrade- GSB composites with geotextile inclusions”**,
Sureka & Mamatha. K., “ National conference on “ Transportation systems engineering and management CTSEM 2016, November 24-25, 2016, BMSCE. Pp 407- 417

	Funding agency	Year	Topic	Remarks
1	TEQIP	2021	UG projects	completed
2	TEQIP	2020	UG Projects	completed
3	VTU	2019	Low cost Road materials	Proposal Submitted
4	VTU	2019	Consolidation characteristics of stabilized clay soils	Proposal submitted
5	TEQIP	2018	PG Projects	completed
6	TEQIP	2017	PG Projects	completed
7	TEQIP R & D	2011	Direct shear test on Road aggregates	Proposal presented