

Dr. HARIKUMAR M A.M.I.E, M.I.S.T.E

369 A/III,
SREEHARI,
CHOTTANIKKARA P.O.,
ERNAKULAM,
KERALA- 682312.
Mob:09745187337
E-mail: harikumar0907@gmail.com

CAREER OBJECTIVE:

To secure a challenging position in a reputed firm that offers skill enhancement and growth while being resourceful and competent. To use whatever knowledge and experience I have acquired throughout my professional career for the betterment of the society.

PERSONAL PROFILE:

Date of birth : 09-07- 1987
Age : 30 yrs.
Nationality : Indian
Father's Name : Mohanan O A
Languages known : English, Hindi, Malayalam.

ACADEMIC PROFILE:

COURSE	NAME OF INSTITUTION	MAIN SUBJECTS	YEAR OF PASSING	PERCENTAGE OF MARKS
Ph.D	National Institute of Technology, Calicut	Geotechnical Engg.	2017	
M.Tech	National Institute of Technology, Calicut	Environmental Geotechnology	2012	CGPA of 9.66
B.Tech	College Of Engineering, Thiruvananthapuram.	Civil Engg.	2008	CGPA of 8.29
AISSCE (CBSE)	Kendriya Vidyalaya, Ernakulam.	Mathematics, Physics, Chemistry, Comp. Science.	2004	93.6
AISSE (CBSE)	Kendriya Vidyalaya, Ernakulam.	All subjects.	2002	86.8

PROJECT DETAILS:

1. B.Tech project: Ground improvement Techniques using Braided ropes as reinforcement.
2. M.Tech thesis: Settlement prediction of Shallow Foundations using Artificial Neural Network.
3. Ph.D thesis :Response of sand reinforced with multi-directional plastic components

WORK EXPERIENCE:

- **M/s. Larsen and Toubro Ltd** (Hydrocarbon Construction and Pipelines business vertical) - **02 years** work experience.
 - a) Assistant planning and execution Engineer (CIVIL) at Methanol Revamp plant, Primary Reformer project, for Rashtriya Chemicals and Fertilizers Ltd, Trombay, Mumbai.
 - b) Senior Engineer at HPCL-LOBS Quality Upgradation project for Hindustan Petroleum Corporation Ltd, Mahul, Mumbai.
- Assistant Professor (Civil) at **Holy Kings College of Engineering and Technology**, Pampakuda- **01 year** work experience
Subjects taught:
 - Fluid Mechanics
 - Open channel hydraulics
 - Geotechnical Engineering
 - Basic Civil Engineering
 - Engineering Geology
- Currently serving as Assistant Professor (Civil) at **College of Engineering, Vadakara, Kerala (Under Govt. of Kerala)** from Dec '15.
Subjects taught:
 - Geotechnical Engineering (I,II)
 - Surveying Theory and Lab
 - Geotechnical Engg. Lab
 - GIS and Remote Sensing
 - Environment and Pollution
 - Civil Engineering Drafting Lab

PUBLICATIONS:

International Journals

1. M Harikumar, N Sankar, S Chandrakaran, 2016, Behaviour of model footing resting on sand bed reinforced with multi-directional reinforcing elements, *Geotextiles and Geomembranes* 44 (4), 568-578
2. M Harikumar, N Sankar, S Chandrakaran, 2014, Response Of Sand Reinforced With Multi-Oriented Plastic Hexa-Pods, *Journal of Soil Mechanics and Foundation Engineering, Springer, Vol. 52*, pp 211–217.
3. M Harikumar, N Sankar, S Chandrakaran, 2015, Behaviour of Cohesionless Soil Reinforced with Three Dimensional Inclusions Under Plane Strain Conditions, *Journal of Institute of Engineers India, Series A, Springer, Vol. 96(3)*, pp.223-228.
4. M Harikumar, N Sankar, S Chandrakaran, 2015, Influence of Multi Directional Reinforcements on the Pore Pressure Dissipation and Volume Change Behaviour of Saturated Cohesionless Soils, *International Journal of Geotechnical Engineering, Taylor and Francis, Vol. 10(3)*, pp 304-310.
5. M Harikumar, N Sankar, S Chandrakaran, 2014, A Regression Model for Predicting the Response of Sand Reinforced With Random Multi-oriented Reinforcements, *Electronic Journal of Geotechnical Engineering, Vol. 19, Bundle Q*, pp 4477-4490.
6. M Harikumar, N Sankar, S Chandrakaran, 2014, An Alternate Method of Saturating Sand Specimens in Triaxial Tests, *International Journal of Engineering Research and Technology, Vol. 3(9)*, pp 760-763.
7. M Harikumar, N Sankar, S Chandrakaran, 2015, Prediction of strength parameters of sand combined with three dimensional components using artificial neural networks, *Australian Geomechanics Journal, Vol.51(1)*, pp 97-108.
8. M. Harikumar, M .K Aswathy, V.J.P Arun, R S Anuvind, K.J Veena, T R Vidaya, 2015, Experimental investigation on the Suitability of using Rice husk ash and Lime for Soil stabilization, *International Journal of Scientific & Engineering Research, Vol. 7(4)*, pp 58-61.
9. M. Harikumar, Firozemon,N.P.Raseena, S.Rithika, S Nipin, T.S Shayifa, K.M Jini, 2015, Experimental investigation on compressed stabilized earth blocks, *International Journal of Scientific & Engineering Research, Vol. 7(4)*, pp 76-84.

International Conferences

1. M Harikumar, N Sankar, S Chandrakaran, Behaviour of sand reinforced with multi-oriented reinforcements, *International Conference on Sustainable Civil Infrastructure, 2014,ASCE India /IIT Hyderabad*
2. M Harikumar, N Sankar, S Chandrakaran, Behaviour of 3D Reinforced Cohesionless Soil Under Plane Strain Conditions, *2nd International Conference on Emerging trends in technology and applied sciences, 2015, Saintgits College of Engineering.*
3. M Harikumar, N Sankar, S Chandrakaran, Prediction of shear strength of cohesionless soils reinforced with 3d inclusions using ANN, *International Conference on Soft Ground Engineering (ICSGE 2015), Singapore.*

4. M Harikumar, N Sankar, Artificial neural networks in predicting settlement of foundations, International Conference on Global Innovation in Technology and Sciences, 2013, Saintgits College of Engg.
5. M Harikumar, N Sankar, Settlement prediction of Shallow Foundations using Artificial Neural Networks, proceedings of Indian Geotechnical Conference, 2012, New Delhi
6. Noushad K, Chandrakaran S, harikumar M, Settlement Behaviour of Square Footing on Geogrid Reinforced Sand Bed, National Conference on Technological Innovations in Sustainable Infrastructure, 2015, NIT Calicut

WORKSHOPS AND CONFERENCES ATTENDED:

1. Co-ordinator of National Conference on Challenges and Emerging Trends in Civil Engineering and Technology, organized by Dept. of Civil Engg., College of Engg. Vadakara, Oct 2016.
2. FDP on Moulding Next Generation Civil Engineering Professionals, Dept. of Civil Engg., College of Engg. Vadakara, October 2016.
3. Management Development Programme , IIM Kozhikode, July 2016
4. FDP on Research Methodology, Dept. of Civil Engg., College of Engg. Vadakara, June 2016.
5. FDP on Sustainability in Construction: Materials and management, Dept. of Civil Engg., IIT Guwahati, June 2016.
6. Co-ordinator of 3 day students programme on AutoCAD and Primavera organized by Dept. of Civil Engg., at College of Engg. Vadakara, Feb 2016.
7. Workshop on Sustainability in Water Management: Challenges in Indian Context, organized by Dept. of Civil Engg., College of Engg. Vadakara, Feb 2016.
8. FDP on Dynamics of Soils and Foundations, Dept. of Civil Engineering, NIT Calicut, May 2014.
9. FDP on Coir Geotextiles and their Use in Rural Roads, Dept. of Civil Engineering, NIT Calicut, Feb 2012
10. International Conference on Advances in Materials and Techniques for Infrastructure Development, Dept. of Civil Engineering, NIT Calicut, September 2011.

UG PROJECTS GUIDED

1. Experimental Investigation on Compressed Stabilized Unfired Earth Blocks
2. Modelling of Scour depth using Artificial Neural Networks
3. Stabilization of Soil Using Rice Husk Ash and Lime -TEQIP funded (0.5 lakhs)
4. Stabilization of Black Cotton Soil using Fly Ash and Waste Fishing Net
5. Effect of Waste Paper Sludge and Waste Flex Fibres on the Behaviour of Clays

REVIEWER

1. Geotextiles and Geomembranes -Elsevier
2. Soil Mechanics and Foundation Engineering- Springer

ACADEMIC ACHIEVEMENTS:

- ❖ Gold medalist in M.Tech Environmental Geotechnology, NIT Calicut
- ❖ Committee member of International Conference (AMTID 2011) organized by Dept. of Civil Engg, NIT Calicut.
- ❖ Career Guidance and Placement Unit Representative, Civil Engg. Department, College of Engineering, Trivandrum.
- ❖ Recipient of Excellent Performance Award 2004-2005, Civil Engg. Department, CET.
- ❖ First Rank holder-AISSCE '04, School Level.
- ❖ Recipient of the certificate of merit, awarded by the CBSE for outstanding academic performance for being among the top 0.1 percentage of successful candidates of AISSCE '04 in Chemistry.

ERNAKULAM

(HARIKUMAR M)