CURRICULUM VITAE

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PROFILE

- Graduated (B.Tech, CE) from JNTU College of Engineering, Ananthapur, in 1984
- M.E (Soil Mechanics & Foundation Engineering), A U College of Engineering, Andhra Pradesh, India, in1987.
- Ph.D from JNTU, Hyderabad , in 2007
- Working as a Professor & Head at the department of CE, RVR & JC College of Engineering, Guntur,

from 2017.

- Worked as a lecturer, Assistant Professor and Professor at the department of CE, RVR &JC College of Engineering, since1987

PROFESSIONAL SOCIETIES

1. Life fellow – Indian Geotechnical Society (IGS)
2. Life member-Indian Society for Technical education (ISTE)
3. Life member-Indian Roads Congress (IRC)
4. Life member-Institution of Engineers (India) (IE)
5. Life member-Indian Society for Rock Mechanics and Tunneling Technology (ISRMTT)
6. Life member-Indian society for Earthquake Technology (ISET)

ADMINISTRATIVE EXPERIENCE

- Worked as convener for Internal exams for a period of three years at RVR & JC College of Engineering
- Chairman of Board of studies for Civil Engineering in Acharya Nagarjuna University, Nagarjuna nagar, Guntur Dist during 2017-18.
- Acting as Secretary IGS Guntur Chapter since 2003.
- Executive committee member of IGS national body for the terms 2009-10,2011-12,2013-14,2015-16,2019-20,2021-22.
- Nominated to represent Indian Geotechnical Society (IGS) on the International Technical Committee TC-306 on "Geo-engineering Education" of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) for the term 2018-2021.

FACULTY DEVELOPMENT PROGRAMMES

- ✓ Organized IGC 2009 National conference conducted by department of Civil Engineering in association with Indian Geotechnical Society,Guntur chapter during 2010.
- ✓ Organized a one day national seminar on "Problems Associated with Geotechnics of Expansive soils" at R.V.R.J.C College of Engineering in association with IGS-Guntur Chapter on 25th January 2014.
- ✓ Organized a two day National Seminar on 'NBC 2016 and Indian Standards: Innovations and Case Studies in Geotechnical Engineering" by the Department of Civil Engineering, R.V.R. & J.C. College of Engineering, Guntur in association with Indian Geo-technical Society, Guntur Chapter and Bureau of Indian Standards, New Delhi during 6-7 July, 2018.
- ✓ Attended National Seminar on "Utilisation of Fly Ash in Geotechnical Structures" organized by IGS Bhubaneswar chapter, Odhisha during 8th-9th November 2013.
- ✓ Attended a national summit on 'Quality in Education', organized by CII-Insitute of Quality, Bangalore during 22nd-23rd September 2015.
- ✓ Attended National Seminar on 'Issues & Challenges in Geotechnical Engineering' organized by IGS-Bhubaneswar Chapter in association with IIT, Bhubaneswar on 8 July, 2017.
- ✓ Attended a two day National Conference on 'Geotechnics for Natural and Engineers Sustainable Technologies' IGC 2017, Geo Nest organized by the Indian Geotechnical Society, Guwahati Chapter (NE) and Indian Institute of Technology, Guwahati, Assam,

India, during 14-16, Dec.2017

Ph.D GUIDANCE

No of Students completed: 1, Submitted: 0
Awarded: 1
No. of Students working: 2

RESEARCH PAPERS PUBLISHED (JOUNALS/CONFERENCES)

1. **M.Rama Rao** & A.Sreerama Rao(2007).Leaching studies on lime-stabilized fly ashcushion,*Asian Jr.of Microbiol.Biotech.Env.Sc.,*Vol.9,No(3),pp:569-576
2. **M.Rama Rao**, A.Sreerama Rao & R.Dayakar Babu(2008).Efficacy of lime-stabilized flyash in expansive soils, *GroundImprovement,*161(1),pp:23-29
3. **M.Rama Rao**, A.Sreerama Rao & R.Dayakar Babu(2008).Efficacy of cement-stabilized fly ash cushion in arresting heave of expansive soils, *Geotechnical & Geological Engineering,*Vol:26,pp:189-197
4. **M.Rama Rao**& A.Sreerama Rao(2010).Behaviour of expansive soils under stabilized fly ash cushions during cyclic wetting & drying, *International of journal of Geotechnical Engineering*.Vol.4,Issue:1,pp:111-118

5 'CBR studies on expansive soil using stabilized rice husk ash cushion' **M. Rama Rao**,K. RameshBabuand K. Siva Kiran , International Journal of Engineering Science and Management (IJESM) ,Vol. 1, Issue 2, pp.54-59 , ISSN :2454-4140.

6 Samatha Chowdary, M.**Rama Rao**, " Effect of Different curing period on cement, lime stabilized expansive soil using rice husk ash and stone dust as additives" International Journal of Recent Scientific Research, Vol.8, Issue:12, pp.22508-22511, December 2017, Received in September 2017 and published in December2017.

7 Samatha Ponduri, **M.Rama Rao**, "Cost benefit analysis of flexible and rigid pavements of rural roads using rice husk ash as stone dust as additives" International Journal of Engineering and Technology (UAE), 7(4), (2018), pp.6252-6265, Scopus Indexed, , Science publishing corporation.

8 P.Samatha Chowdary, **M.Rama Rao**, "Macro and Micro Level Investigation of strength enhancement of expansive soil stabilized with lime and cement using stone dust as additives", International Journal of Recent Technology and Engineering (IJRTE), Volume-7, Issue-6, April 2019, pp:692-699. Scopus Indexed, Retrieval Number:F11280476C219/19

National Journals:

1. **M.Rama Rao**, A.Sreerama Rao & R.Dayakar Babu(2007).Arresting heave ofexpansive soil beds with lime-stabilized fly ash cushion, Institution of Engineers Journal(India), Civil Engineering,Volume:87,pp:13-17

International Conferences:

1. **M.Rama Rao**& A.Sreerama Rao(2008).Swell-shrink behaviour of expansive soils under stabilized fly ash cushions, The 12th*International Conference of Association for Computer Methods and Advances inGeomechanics(IACMAG),*Goa,India,pp:111-118
2. **M.Rama Rao**, A.Sreerama Rao, R.Dayakar Babu & B.R.Phani Kumar(2007).Some solutions to problems in expansive soils. *Asian Regional Conference*. Kolkata,Vol.1,pp:74-77
3. **M.Ramarao**, P.Samatha Chowdary 'Influence of Curing Period on Cement-Stabilized Expansive Soil using Rice Husk Ash and Stone Dust as Additives.' at a two day International Conference on Advances In Civil Engineering and Sustainable Construction organized by SRM University, Chennai during March 30 - l April 2016 with pp.834-840 ,ISSN978-2-35158-161-2

National Conferences:

1. **M.Rama Rao**,G.Sridevi(1995) Effect of filler material on optimum binder content. *National Conference* on *Rural Roads*, A.U College of Engineering,Visakhapatnam.
2. **M.Rama Rao**,G.Sridevi & T.Rama Mohan Rao(1995) Reinforcing soil with strips of reclaimed high density poly ethylene. *National Conference* on *Rural Roads*, A.U College ofEngineering, Visakhapatnam
3. **M.Rama Rao**& Anuradha(1995) Planning for better rural roads. *National Conference on Rural Roads*, A.U College of Engineering,Visakhapatnam
4. **M.Rama Rao** (2003) Liquefaction behavior of soils effected by earthquakes. *National Conference on Recent Advances in Civil Engineering*. Kakatiya Institute of Technology & Science, Warangal, pp:37-41
5. G.Sridevi &**M.Rama Rao** (2003).Failure of pavement on expansive soils- a case study. *Seminar on Pavement Failures,Analysis and Remidial Measures*, Engineering Staff College of India,Hyderabad,pp:VI-1 toVI-4
6. **M.Rama Rao**& G.Sridevi (2004) Failure of lightly loaded structures on expansive soils-a case study, *Indian Geotechnical Conference(IGC)-2004)*, National Institute of Technology,Warangal,Vol.1,pp:117-120.
7. **M.Rama Rao**& G.Sridevi (2004) Failure of cement concrete roads constructed in B.C soils – a case study, *IGC-2004*, National Institute of Technology, Warangal, Vol.1, pp: 121-123.
8. **M.Rama Rao**& G.Sridevi (2005) Effects of lime-stabilized fly ash layer on CBR values of black cotton soils, *IGC-2005*, Nirma University, Ahmedabad.
9. **M.Rama Rao**& G.Sridevi (2005) Heave studies with cement-stabilized fly ash cushion in expansive soils, *IGC-2005*, Nirma University,Ahmedabad.
10. **M.Rama Rao**,A.Sreerama Rao, K.Leela Krishna,Ch.Ravindra Babu & P.Kalyan Chakravarthy(2006) Heave studies with lime-stabilized fly ash cushion in expansive soils. National Conference on Natural Disaster Management, A.U College of Engineering,Visakhapatnam,pp:259-263
11. **M.Rama Rao** A.Sreerama Rao, R.Dayakar Babu& P.Arun Kumar(2006).Leaching studies on lime-stabilized fly ash cushion, *IGC-2006*, IIT Madras, Chennai, Vol.1, pp:857-858.
12. G.Sridevi, **M.Rama R**ao, J.Padmini,B.Priyanka & M.Swapna(2006).Influence of fly ash layers on CBR of Black Cotton Soils,*IGC-2006*,IITMadras,Chennai,pp:651-654
13. **M.Rama Rao,** A.Sreerama Rao & K.Suresh(2007).Heave mitigation of expansive soil with cement-stabilized fly ash cushion, Silver Jubilee Conference,*Geotechnica-2007*,

CSMRS,New Delhi, pp:67-74.

14. R.Dayakar Babu, **M.Rama Rao**& A.Sreerama Rao (2007).Heave mitigation of expansive soil with lime-stabilized fly ash cushion. *Young Geotechnical Engineers' Conference*, JNTU College of Engineering, Hyderabad.
15. **M.Rama Rao**& A. Sreerama Rao (2007).Strength studies on fly ash stabilized with lime and cement. *National Conference on Corrective Engineering Practices*, JNTU College of Engineering, Kakinada, pp:45-48
16. **M.Rama Rao**& A.Sreerama Rao (2008). Efficacy of different cushions in arresting heave of expansive clays *IGC-2008*, IISc., Bangalore, Vol.1,pp:74-77.
17. **M.Rama Rao**,G.Sridevi & A.Sreerama Rao (2010). Heave Studies on Expansive Clays with Stabilized Granulated Blast Furnace Slag, *IGC-2009*, RVR&JC College of Engineering, Guntur, Vol.1,pp: 109-112.
18. **M.Rama Rao**& A. Sreerama Rao (2010). Swell-Shrink behavior of expansive soils under fly ash cushions, *IGC-2010*, IIT Bombay, Mumbai, Vol.1, pp: 561-564.
19. **M.Rama Rao** , G.Sridevi & A. Sreerama Rao (2011). Performance of cushions ofwaste materials in heave reduction of Expansive soils, I*GC-2011*, *Proceedings of Indian Geotechnical Conference December 15-17,2011, Kochi* , Vol.1, pp:211-214.G.Sridevi & A.Sreerama Rao &**M.Rama Rao** (2012). GGBS stabilized soil cushions with and without lime in pavements. *IGC-2012*, IIT Delhi, Delhi, Vol.1,pp:335-338.
20. Samatha Chowdary P, **Rama Rao M**& Anil Kumar Ch(2013).CBR studies on expansive soil using stabilized rice husk ash cushion. National conference on " New trends in Civil Engineering & Earth Sciences(NTCE-2013),Vasavi College of Engineering, Hyderabad, Pp:452-458

22 **M.RamaRao,**P.Samatha Chowdary, "Swell-Shrink Behaviour of Expansive Solis under Lime-Stabilized Fly ash cushions" in National seminar on fly ash in geotechnical structures conducted by IGS, ODHISA at Bhubaneswar during 8th to 9th November 2013.PP:164-168

23 **Dr. M. RamaRao**,P.Samatha Chowdary,'Strength Studies on Cement Stabilized Expansive Soil using Rice Husk Ash as an Additive' at a two day National Conference-NCQACE, organized by SRM University, during 19-20, March2015.

24 **M.Rama Rao**,P.Samatha Chowdary ,"Influence of Curing Period on Lime-Stabilized Expansive Soil using Rice Husk Ash and Stone Dust as Additives" at Indian geotechnical conference organized by Indian Geotechnical society during 17th-19th December2015.PP:77-79.

25 **M.Rama Rao**, P.Samatha Chowdary, 'Durability studies on Lime-Stabilzed expansive soils using Rice husk ash and Stone dust as Additives' in IGC 2016 (Geotechnology through global standards) organized by IIT Madras during 15-17 December, 2016, and the same was published with pp.98 in souvenir of abstracts of invited and accepted papers.

26 G. Sridevi, A. Shivaraj, G. Sudarshan and **M. Rama Rao**, "Effects of soil structure interaction on the embankment resting on different soils subjected to strong earthquake ground motions" Indian Geotechnical Conference (IGS-2020), Andhra University College of Engineering, Visakhapatnam, Dec. 17–19, 2020.

AWARDS

- IGS national body awarded Outstanding contribution to Indian Geotechnical society in 2003

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