

CURRICULUM VITAE

Dr. MOGILI SUDHAKAR



sudhakarmogili147@gmail.com



+91 94400 28748.



Summary: Civil Engineering graduate specialized in Geotechnical Engineering, with 5R+3T years of academic experience. Proficient in research, academia, and executing geo-consultancy projects. Expertise in advanced software tools and collaborating with multidisciplinary teams. Seeking a challenging role in civil/geotechnical engineering to contribute to organizational growth.

Research Interests: Geotechnical and Ground Improvement techniques; Recycled/Sustainable materials for road structures; Geosynthetics; Waste Management in Civil Engineering Applications.

Professional Experience:

Assistant Professor	PVPSIT	Vijayawada-A. P	7/2023 to Present
Assistant Professor	RGM CET	Nandyal-A. P	3/2021 to 6/2023
Assistant Professor	AVR & SVR CE	Nandyal-A. P	7/2015 to 12/2015
Teaching Assistant	NIT Warangal	Warangal-T. S	2014 -2015, 2016-2019

Work Experience:

Junior Engineer (Q.C Lab)	BSCPL Infrastructure Pvt. Ltd.	Project: Four Lane CC Road-Godhra to M.P. Border on NH-59 Sect., Gujarat, NHDP-III	6/2012-6/2013
------------------------------	-----------------------------------	---	---------------

Publications:

International Journal Publications:[10]

1. **Mogili, S.,** Mahesh. T, A.Uday Kumar., & Jayakumar, K. V. (2021). "Development of Multivariate Integrated Drought Monitoring Index (MIDMI) for Warangal Region of Telangana, India". *Journal of Water and Climate Change*, (SCI-Indexed). <https://doi.org/10.2166/wcc.2021.065>
2. **Mogili, S.,** Mudavath, H., & Gonavaram, K. K. (2021). "Role of Lime-Fiber on Mechanical Strength and Resilient Characteristics of Pond ash". *Transportation Infrastructure Geotechnology*, (SCOPUS-Indexed). <https://doi.org/10.1007/s40515-021-00149-8>
3. **Mogili, S.,** Y. Paluri., V. Noolu., Mudavath, H., & Gonavaram, K. K. (2021). "Effect of Lime on Resilient Characteristics of Pond Ash". *Transportation Infrastructure Geotechnology*, (SCOPUS-Indexed). <https://doi.org/10.1007/s40515-021-00152-z>
4. **Mogili, S.,** Mudavath, H., Gonavaram, K. K., & Paluri, Y. (2020). "Strength and resilient behavior of lime modified pond ash as pavement layer." *Materials Today: Proceedings*. Vol 32(4), 567-573 (SCOPUS-Indexed). <https://doi.org/10.1016/j.matpr.2020.02.168>
5. **Mogili, S.,** Mohammed, A. G., Mudavath, H., & Gonavaram, K. K. (2020). "Mechanical strength characteristics of fiber-reinforced pond ash for pavement application". *Innovative Infrastructure Solutions*, 5(3), 1-12. (SCOPUS-Indexed). <https://doi.org/10.1007/s41062-020-00313-y>
6. Paluri, Y., **Mogili, S.,** Mudavath, H., & Pancharathi, R. K. (2020). "A study on the influence of steel fibers on

- the performance of Fine Reclaimed Asphalt Pavement (FRAP) in pavement quality concrete.” *Materials Today: Proceedings*.32(4), 657-662(SCOPUS-Indexed). <https://doi.org/10.1016/j.matpr.2020.03.147>
7. V. Noolu., B. M. Krishna., Y. Paluri., **Mogili. S.** (2020). “Performance evaluation of recycled granular material as sustainable sub-base material.” *Materials Today: Proceedings*. (SCOPUS-Indexed). <https://doi.org/10.1016/j.matpr.2020.07.389>
 8. Y. Paluri., **Mogili. S.**, Mudavath, H., V. Noolu. (2020). “Effect of fibres on the strength and toughness characteristics of recycled aggregate concrete.” *Materials Today: Proceedings*. (SCOPUS-Indexed). <https://doi.org/10.1016/j.matpr.2020.07.555>
 9. **Mogili**, Sudhakar, Harsha Vardhan Avvari, and Vamsi Krishna Appecharla. (2022) "Energy Consumption Analysis of Residential Building Using Autodesk Revit." IOP Conference Series: Earth and Environmental Science. Vol. 1086. No. 1. IOP Publishing, (SCOPUS-Indexed) <https://doi.org/10.1088/1755-1315/1086/1/012056>
 10. **Mogili, S.**, Putturu M. K. Mudavath, H., & Gonavaram, K. K. (2023). “Resilient behavior of coal pond ash”. *Atlantic Press*, Springer. (Accepted for Publication).

National Journal Publications:[3]

1. **M Sudhakar**, Heeralal, M., & Kalyan Kumar, G. (2019). “Interface Frictional Properties of Geogrid-Reinforced Pond Ash.” *International Journal of Recent Technology and Engineering*, 8(2), 1978-1983. (SCOPUS). [doi: 10.35940/ijrte.B1984.078219](https://doi.org/10.35940/ijrte.B1984.078219)
2. **Sudhakar, M.**, Heeralal, M., & Kumar, G. K. (2019). “Mechanical Strength and Stiffness behaviour of Class-F Pond ash.” *Institute of Mechanics of Continua and Mathematical Sciences*, 14(6), 264-282, (ESCI).<https://doi.org/10.26782/jmcms.2019.12.00019>
3. **Sudhakar, M.**, Chalapati Rao., Kiran Babu N., Heeralal M. (2017). “Shear strength behaviour of modified marginal soil with jute geotextile reinforced fly ash mix”. *Second International Conference on Recent Innovations in Engineering and Technology*. Indian J.Sci.Res. 17(2): 32-36, 2018.

Book Chapters:[4]

1. Sudhakar, M., Heeralal, M., Kumar, G. K., & Kurre, P. (2020). “Experimental Study on Interfacial Frictional Properties of Geogrid Reinforced Pond Ash.” (pp. 131-140), July 2019. Springer,[10.1007/978-3-030-24314-2_18](https://doi.org/10.1007/978-3-030-24314-2_18)
2. Mogili Sudhakar., Mudavath Heeralal., Kalyan Kumar, G. (2021). “Effect of Stabilization on Geomechanical Properties of Pond ash for Pavement Subbase application.” (Vol. 4, pp. 06-16), Aug 2021. In Book of Transportation, Water and Environmental Geotechnics; Springer,[10.1007/978-981-16-2260-1_17](https://doi.org/10.1007/978-981-16-2260-1_17)
3. Karnati, V.R., Sudhakar, M., Gonavaram, K.K., Bandhu, A. (2022). Cementation of Sand by Microbial Induced Calcite Precipitation. In: Dey, A.K., Mandal, J.J., Manna, B. (eds) Proceedings of the 7th Indian Young Geotechnical Engineers Conference. Lecture Notes in Civil Engineering, vol 195. Springer, Singapore https://doi.org/10.1007/978-981-16-6456-4_15
4. Sudhakar Mogili, Yeswanth Paluri, Heeralal Mudavath (2023). “Cyclic behaviour of reinforced pond ash and its liquefaction susceptibility”. *Innovations and Applications of fiber reinforced concrete*. Nova Science Publisher NY, USA. (Accepted for Publication).

Conferences:

International:[7]

1. Sudhakar, M., Manoj Kumar P, Heeralal, M., Kumar, G. K., (2023). “Resilient Behaviour of Coal Pond Ash.” *2nd International Conference on Emerging Trends in Engineering (ICETE-2023)* Osmania University, Hyderabad, India, April 28–30, 2023.
2. Sudhakar Mogili, Harsha Vardhan Avvari, Puneeth, Prudhvi Raj., (2023) “A Study on Solar and Shadow

- Analysis Using Auto DESK Revit” (*ERSEM-2023*) SRIT, Proddatur, Kadapa, India, May 19–20, 2023
3. Sudhakar, M., Heeralal, M. & Kumar, G. K. “Resilient characteristics of coal pond ash.” *Virtual International Conference on Sustainable Building Materials and Construction (ICSBMC-2021)*. SVNIT, Surat, India, Feb 4-6, 2021.
 4. Sudhakar, M., Heeralal, M. & Kumar, G. K. “Resilient behavior of coal pond ash.” *Fifth International Online Conference on Reuse and Recycling of Materials (ICRM-2020)*. Mahatma Gandhi University, Kerala, India, Dec 11-13, 2020.
 5. Sudhakar, M., Heeralal, M., Kumar, G. K. (2020). “Mechanical Strength Behaviour of Lime treated Pond Ash for Pavement Applications.” *3rd International Conference on Innovative Technologies for Clean and Sustainable Development (ITCSD-2020)*, Chandigarh, India, Feb 19–21, 2020.
 6. Sudhakar, M., Heeralal, M., Kumar, G. K., & Kurre, P. (2020). “Experimental Study on Interfacial Frictional Properties of Geogrid Reinforced Pond Ash.” *International Conference on Emerging Trends in Engineering (ICETE-2020)* Osmania University, Hyderabad, India, March 22–23, 2019
 7. Sudhakar, M., Chalapati Rao., Kiran Babu N., Heeralal M. (2017). “Shear strength behaviour of modified marginal soil with jute geotextile reinforced fly ash mix”. *Second International Conference on Recent Innovations in Engineering and Technology (ICRIEAT-2017)*. Aurora Engineering College, Hyderabad, India, Dec 21–22, 2017

National:[2]

1. Vineeth Reddy, K., Sudhakar, M., Kalyan Kumar, G., & Bandhu, A. “Cementation of Sand by Microbial Induced Calcite Precipitation.” 7th Indian Young Geotechnical Engineers Conference (7IYGEC- 2019).15th–16th March. NIT Silchar, Assam, India.
2. Mogili Sudhakar., Mudavath Heeralal., Kalyan Kumar, G. (2020). “Effect of Stabilization on Geomechanical Properties of Pond ash for Pavement Subbase application. “Indian Geotechnical Conference (IGC-2020) (pp. 06-16). Vishakhapatnam, India, December 17–19, 2020.

Programs Organized:

1.	Virtual Webinar	Career Guidance and Higher Education Opportunities for Civil Engineering Students	RGMCET	31-07-2021	1-Day
2.	National level Technical Symposium	RIPPLE (TRACE-2K22)	RGMCET	21 & 22-05-2021	2-Days
3.	Virtual Webinar	Cloud-Based RCC Building Design Software: MvDad.	RGMCET	30-01-2023	1-Day
4.	Field Visit	Gorukallu Balancing Reservoir (G.B.R)	Gorukallu, Nandyal	05-11-2022	1-Day
5.	Seminar	Career Opportunities through GATE	Unacademy-RGMCET	23-11-2022	1-Day
6.	Inhouse Projects	Constructions inside the campus Pile foundations-Geotechnical Investigation-RGMCET	RGMCET	27-01-2023	1-Day

Students Guidance:

- Completed: 06 UG (25 students) projects.

Subjects Taught:

- Geotechnical Engineering, I and II. Pavement Analysis and Design, Ground Improvement Techniques. Estimation Costing and valuation, Surveying-I
- Geotechnical, Transportation, and Environmental Laboratories.

Consultancy Works:

- Field Investigation
- Geotechnical Design
- Documentation and Reporting

Technical/Software Skills:

- Plaxis, Geo5, Slope/W, Kenlayer

Other Experiences:

- Coordinator for III and IV B. Tech Students.
- A Part of NBA and NAAC team of Civil Engineering Department-RGMCET.
- In charge for Geotechnical Laboratory-RGMCET (2022-Present)
- Mentoring Students (20 No's each year)
- Reviewer for International and National Journals (TJCM, JPRT, TIG, ISTCE)
- Reviewer for International and National Conferences (VSAM, DEVA, ASMI)

Educational Qualification

<u>Course</u>	<u>Place of Study</u>	<u>%</u>	<u>Year</u>
SSC	APRS Kalvabugga, Kurnool, Andhra Pradesh	92	2006
Inter	Narayana Junior College, Tirupati, Andhra Pradesh	96.5	2006-2008
B. Tech	JNTU CEA (University Campus)-Anantapur-Civil Engineering	76.5	2008-2012
M.Tech	National Institute of Technology-Warangal: Civil (Geotechnical)	7.8	2013-2015
Ph. D.	National Institute of Technology-Warangal: Civil	-	2016-2021

Personal Information

Full Name	Mogili Sudhakar
Father's Name	M Peddi Raju (Late)
Mother's Name	M Lakshmi Devi
Nationality	Indian
Languages Known	Telugu, English, Hindi
Permanent Address	H. No: 6-90, Jillella (V, P); Gospadu (M); Kurnool (D.t), Andhra Pradesh-518563
Date of Birth	12 th July 1991

DECLARATION:

I hereby declare that all the details mentioned above are true to the best of my knowledge



(Dr. M. SUDHAKAR)