



## **Dr. M Padmavathi**

B.Tech, M.E, Ph. D

**Professor**

Civil Engineering

### **Areas of Interest:**

Tall Structure Foundation ground  
Interaction  
Foundations Tall structures  
Ground Improvement techniques  
Slope Stability

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### **- ▶ Educational & Professional**

#### **- ▶ Academic Qualifications**

- ▶ Ph. D in CIVIL ENGINEERING, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD with Awarded (2015-2018)

- ▶

M.E in Soil Mechnics and Foundation Engineering, Guindy College of Engineering, Anna University with First (2001-2002)

- ▶

B.tech in Civil Engineering, Koneru Lakshmaiah College of Engineering with First with Distinction (1997-2001)

#### **▶ Professional Experience**

#### **- ▶ Teaching Experience**

- ▶ Lecturer, Koneru Lakshmaiah University , Guntur (2003-01-23 - 2005-03-01)

#### **- ▶ At JNTUH**

- ▶ Assistant Professor, Jawaharlal Nehru Technological Univerity Hyderabad (2006 - 2018)

- ▶ Associate Professor, Jawaharlal Nehru Technological University Hyderabad (2018 - 2021)

- ▶ Professor, Jawaharlal Nehru Technological University, Hyderabad (2021 - Till Date)

## - ▶ **Research**

### - ▶ **Research Projects**

- ▶ *Geotechnical and Chemical Characterization of Coal Mine Waste and its Efficacy in Pavement/ Fill Construction on clayey subgrade*, funded by TEQIP - 300000 (2020 - 2020)
- ▶ *Experimental Analysis of Piled Raft foundation under Sequential Moment Loading*,, funded by TEQIP - 400000 (2020 - 2023)

### - ▶ **Publications**

#### - **International Journals**

- ▶ M Padmavathi, Akhila.P, *Estimation of Ultimate Resistances and Stiffnesses of base and shaft from axial pile load test results, 1952-1957*,, The International journal of analytical and experimental modal analysis, ISBN No.0886-9367, Vol No.XIII, Issue No.III, pp.1952-1957, IJAEMA, March, 2021
- ▶ M Padmavathi, DIVYA J, *Geotechnical Properties of Soft Improved Ground from in-situ Time-Settlement Plots*, International Journal of Research,, Vol No.X, Issue No.II, pp.453-466, FEB, 2021
- ▶ M Padmavathi, Srujana V, *Estimation of Modular Ratio of Two Layered Soil System*, The International journal of analytical and experimental modal analysis, , ISBN No.0886-9367, Vol No.XIII, Issue No.I, pp.1981-1987, IJAEMA, January, 2021
- ▶ M Padmavathi, V Padmavathi, M R Madhav, *Response of two- pile group subjected to vertical eccentric load*,, 14:6, 626-635,, International Journal of Geotechnical Engineering, ISBN No.1938-6362, Vol No.14, Issue No.6, pp.626-635, Taylor and Fransis, doi:10.1080/19386362.2019.1652452, 2020
- ▶ M Padmavathi, *Load - Displacement and Moment-Rotation Responses of Foundation subjected to Moment Loading*,, International Journal of Geomechanics, ISBN No.1532-3641, Vol No.16, Issue No.5, ASCE, January, 2016
- ▶ M Padmavathi, CECIL S, *Dynamic Response Analysis of Highway Embankment with Different Fill Material Modifications*, International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS),, ISBN No.2278?2540, Vol No.IV, Issue No.X, pp.1-6, IJLTMA, 2015
- ▶ M Padmavathi, *Foundation Subjected to Moment Loading-Re-Evaluation Of Meyerhof's Approach*, Indian Geotechnical Journal, pp.260-268, springer, 9, 2014

## **International Conference**

- ▶ M Padmavathi, Divya . J, Madhav M R, *Geotechnical Properties of Soft Improved Ground from In Situ Time*“Settlement Plots, Lecture Notes in Civil Engineering, vol 152. Springer, Singapore. [https://doi.org/10.1007/978-981-16-1831-4\\_2](https://doi.org/10.1007/978-981-16-1831-4_2), ISBN No.978-981-16-1830-7, Springer, Singapore, 28 july, 2021
- ▶ M Padmavathi, V Padmavathi, Koteswara Rao, L., *Response of Four Pile Group Subjected to Eccentric Loading*, Sustainability Issues for the Deep Foundations. GeoMEast 2018. Sustainable Civil Infrastructures. Springer, Cham., ISBN No.978-3-030-01901-3, Vol No.In: El-Naggar, H., Abdel-Rahman, K., Fellenius, B., Shehata, H. (eds), Issue No.[https://doi.org/10.1007/978-3-030-01902-0\\_3](https://doi.org/10.1007/978-3-030-01902-0_3), springer, cham, 30 October , 2018

## **National Conference**

- ▶ M Padmavathi, V Padmavathi, *Stabilization of Clays and Clayey Soils Using Polycom-A Polyacrylamide Additive*, Indian geotechnical conference, Issue No.Proceedings of the Indian Geotechnical Conference 2019: IGC-2019 Volume III, Springer Singapore, Decemer, 2019
- ▶ M Padmavathi, kiran, M R Madhav, *Settlement of single granular pile at different depths*, Indian geotechnical conference, 2015

## **- ▶ Teaching**

- ▶ ESTIMATION QUANTITY SURVEY AND VALUATION in CIVIL ENGINEERING 3-2 (2019)
- ▶ STAILITY ANALYSIS OF SLOPES in M TECH GEOTECH 3 (2018)
- ▶ SOIL DYNAMICS AND FOUNDATION ENGINEERING in M TECH GEOTECH 2 (2020)
- ▶ FOUNDATION ENGINEERING in CIVIL ENGINEERING IV-II (2018)

## **- ▶ Adminstrative Positions Held**

- ▶ HEAD , CIVIL ENGINEERING DEPARTMENT, JNTUH UCES, 30 Sep 2022 - Present
- ▶ DEPUTY DIRECTOR, BICS, JNTUH, 09 Oct 2020 - 30 Sep 2022
- ▶ DEPUTY DIRECTOR, DAP, JNTUH, 05 Jul 2019 - 07 Aug 2020

**Contact :**

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**Dr. M Padmavathi**

Civil Engineering

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