

Dr. K. M. Kouzer
Associate Professor in Civil Engineering



Contact Details

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Professional Qualifications

B-Tech	Specialization	Civil Engineering
	Institute/University	REC Calicut/ Calicut University
	Year	1990
M-Tech	Specialization	Geotechnical Engineering
	Institute/University	Indian Institute of Science (IISc) Bangalore
	Year	1993
PhD	Specialization	Geotechnical Engineering
	Institute/University	Indian Institute of Science (IISc) Bangalore
	Year	2008

Areas of Interest : Geotechnical Engineering, Foundation Engineering,
Soil Structure Interaction, Finite Element Methods,
Upper Bound Limit Analysis

Professional Experience

- **Associate Professor in Civil Engineering** at Govt. Engineering College, Kozhikode from July 2013 onwards
- **Asst. Professor in Civil Engineering** at Govt. Engineering College, Kozhikode from July 2009 to July 2013
- **Asst. Professor/ Lecturer in Civil Engineering** at Govt. Engineering College, Thrissur from May 2001 to July 2009
- **Lecturer in Civil Engineering** at Govt. Engineering College, Wayanad from June 2000 to May 2001
- **Engineer (Civil)** at **Tata Consulting Engineers**, Bangalore (Presently known as **TCE Consulting Engineers Ltd.**) from July 1994 to May 2000
- **Asst. Engineering (Civil)** at **John Brown Engineering (India) Pvt. Ltd.**, Bangalore from November 1993 to July 1994
- **Consultancy Management Fellow** at **Consultancy Development Centre**, New Delhi. (Posted at UN Office, Bangalore) from February 1993 to June 1993

Responsibilities\Position

- Teaching for under graduate students
- **Major Subjects Taught** : Geotechnical Engineering I, Geotechnical Engineering II, Ground Improvement Techniques, Mechanics of Solids, Structural Design, Engineering Mechanics
- **Major Laboratories Handled** : Geotechnical Engineering Laboratory, Strength of Materials Laboratory, Material Testing Laboratory & Survey Laboratory
- **Computer Packages Used** : StaadPro, MATLAB, Ms Excel, Autocad
- **Other Responsibilities** :
 - Departmental Co-ordinator for TEQIP-II.
 - Placement Co-ordinator of the College
 - Departmental Co-ordinator for Campus Management Software
 - Departmental Co-ordinator for GATE Coaching
 - Staff Advisor for UG Students
 - Lab-in-charge of Geotechnical Engineering Lab
 - Member, Board of Studies in Engineering (UG) of Calicut University
 - Member, Board of Studies in Engineering (PG) of Calicut University
 - Technical Committee Chairman of Calicut University

Publications

(a) International Journals:

1. Kumar, J and **Kouzer, K. M.** (2007). "Effect of footing roughness on bearing capacity factor N_{γ} ." *Journal of Geotechnical and Geoenvironmental Engineering (ASCE)*, 133(5), pp.502-511 .
2. Kumar, J. and **Kouzer, K. M.** (2008). "Bearing capacity of two interfering footings." *International Journal for Numerical and Analytical Methods in Geomechanics*, 32(3), pp.251-264.
3. **Kouzer, K. M.** and Kumar, J. (2008). "Ultimate bearing capacity of equally spaced multiple strip footings on cohesionless soils without surcharge." *International Journal for Numerical and Analytical Methods in Geomechanics*, 32(11), pp. 1417-1426.
4. Kumar, J. and **Kouzer, K. M.** (2008). "Vertical uplift capacity of horizontal anchors using upper bound limit analysis and finite elements." *Canadian Geotechnical Journal*, 45(5), pp. 698-704
5. Kumar, J., and **Kouzer, K. M.** (2008). "Interference effect on the vertical uplift capacity of two shallow horizontal anchors", *Geotechnique*, 58(10), pp. 821-823.
6. **Kouzer, K. M.**, and Kumar, J. (2009). "Vertical uplift capacity of two interfering horizontal anchors in sand using an upper bound limit analysis", *Computers and Geotechniques*, 36(6), pp. 1084-1089.
7. **Kouzer, K. M.**, and Kumar, J. (2009). "Vertical uplift capacity of equally spaced horizontal strip anchors in sand", *International Journal of Geomechanics (ASCE)*, 9(5), pp. 230-236
8. **Kouzer, K. M.**, and Kumar, J. (2010). "Ultimate Bearing Capacity of a Footing Considering the Interference of an Existing Footing on Sand", *Geotechnical and Geological Engineering (Springer)*, 28(4), pp. 457-470.

(b) National Journals:

9. Jayarajan P., **Kouzer K. M.** (2014), "Dynamic Analysis of Turbo-generator Machine Foundations", *Journal of Civil Engineering and Environmental Technology (JCEET)*, August 2014

(c) International Conference:

10. Khatri, V. N., Kumar, J. and **Kouzer, K. M.** (2008). "Determination of bearing capacity factor N_{γ} using upper and lower bound limit analysis including slip line method." *International Conference of International Association for Computer Methods and Advances in Geomechanics (IACMAG)*, 1st - 6th October 2008, Goa, India.
11. Jayarajan P., **Kouzer K. M.** (2015), "Analysis of Piled Raft Foundations", *International Conference on Recent Innovations in Engineering Technology (ICRIET '15)* at Chinnasalem, Tamilnadu during 13th – 14th February 2015.

Achievements/Awards

- Achieved **Best Teacher Award** in College
- Reviewer of following journals
 - Canadian Geotechnical Journal
 - International Journal of Geotechnical Earthquake Engg.
 - Ain Shams Engineering Journal (Elsevier)

Project/Consultancy

- Foundation Design and Structural Design of Multi-storeyed Buildings
- Finite Element Method for Civil Engineering Problems using Matlab
- Master Plan Preparation of Govt. VHSS, Atholi