

CURRICULUMVITAE



Dr. Amrendra Kumar

(Temporary Faculty)

Civil Engineering Department

Room No. 308, NIT Hamirpur

H.P: 177005

E-mail ID: amrendraroy2k8@gmail.com.

Contact No.: +917488657269, +917857919086

Objective: *Seeking a position to utilize my skills and abilities that offers professional growth while being resourceful, innovative and hardworking.*

Experience: Working at NIT Hamirpur as Temporary Faculty since 11-07-2019 to 20-05-2020 date (2 semester)

Professional Qualification

Course: Doctor of Philosophy

Specialization: Geotechnical Engineering

Institute: National Institute of Technology, Patna, Bihar.

Project: Numerical Investigation of Shallow Foundation on Liquefiable Soil and Mitigation

Status: Completed (Final viva or Defense on 04-10-2019) degree awarded on (2 Feb 2020)

Course: Master of Technology (M.Tech)

Specialization: Geotechnical Engineering.

Institute: National Institute of Technology, Hamirpur, Himachal Pradesh.

CGPA: 7.84

Passing year: 2012

Project: Stabilization of Clayey Soil Using Waste Materials and Reinforcement

Course: Bachelor of Technology (B.Tech.)

Specialization: Civil Engineering.

Institute: Muzaffarpur Institute of Technology, Muzaffarpur

University: Aryabhatta [HYPERLINK "http://www.akubihar.ac.in/"](http://www.akubihar.ac.in/) [HYPERLINK](http://www.akubihar.ac.in/)

["http://www.akubihar.ac.in/"](http://www.akubihar.ac.in/) [HYPERLINK](http://www.akubihar.ac.in/) ["http://www.akubihar.ac.in/"](http://www.akubihar.ac.in/)

[HYPERLINK "http://www.akubihar.ac.in/"](http://www.akubihar.ac.in/) [HYPERLINK](http://www.akubihar.ac.in/)

["http://www.akubihar.ac.in/"](http://www.akubihar.ac.in/) [HYPERLINK](http://www.akubihar.ac.in/)

["http://www.akubihar.ac.in/"](http://www.akubihar.ac.in/) Knowledge [HYPERLINK](http://www.akubihar.ac.in/)

["http://www.akubihar.ac.in/"](http://www.akubihar.ac.in/) [HYPERLINK](http://www.akubihar.ac.in/) ["http://www.akubihar.ac.in/"](http://www.akubihar.ac.in/)

[HYPERLINK "http://www.akubihar.ac.in/"](http://www.akubihar.ac.in/) University, Patna

% Marks: 78.06%
Passing year: 2012
Project: Mix Design of M20 Grade Concrete

SUBJECT TAUGHT

Applied Mechanics, Building Construction
Lab: Geotechnical Lab, Hydraulic Lab

Training & Courses

4 weeks training at Under Bihar Rajya Pul Nigam Limited in 2010 have done.

Publications

International Journal

- **A Kumar**; S Kumari and V A Sawant, (2020), "Numerical investigation of stone column improved ground for mitigation of liquefaction" International Journal of Geomechanics, ASCE (SCI) (accepted)
- **A Kumar** and S Kumari (2019), "Numerical Modeling of Shallow Foundation on Liquefiable Soil Under Sinusoidal Loading" Geotechnical and Geological Engineering <https://doi.org/10.1007/s10706-018-0614-8>, Springer. Scopus Indexed, **Citations**: 2
- R K Sharma and **A Kumar** (2013), "Compaction and Sub-grade Characteristics of Clayey Soil Mixed with Foundry Sand and Fly Ash" International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 10, October - 2013 IJERT ISSN: 2278-0181, **Citations**: 9
- B Singh, **A Kumar** and R K Sharma (2014), "Effect of Waste Materials on Strength Characteristics of Local Clay" International Journal of Civil Engineering Research. ISSN 2278-3652 Volume 5, Number 1 (2014), pp. 61-68. **Citations**: 15
- **A Kumar** and S Kumari "Effect of contact pressure on liquefaction resistance of soil", International Journal of Civil Engineering and Technology 9(8):1543-1554 (Scopus Indexed)

International Conferences

- **A Kumar**, S Kumari, SK Suman (2017), "Numerical Modelling of Shallow Foundation on Liquefiable Soil". **International** Conference on Transportation Infrastructure and Materials (ICTIM 2017) China, ISBN: 978-1-60595-442-4, DEStech Transactions on Materials Science and Engineering
- S Kumari, **A Kumar**, S K Suman (2018), "Numerical Evaluation of Cyclic Response of Shallow Foundation Resting on Liquefiable Soil". In: Qiu T., Tiwari B., Zhang Z. (eds) Proceedings of GeoShanghai 2018 **International** Conference: Advances in Soil Dynamics and Foundation Engineering. GSIC 2018. Springer, Singapore, Scopus Indexed.
- S Kumari, **A Kumar** (2019) (ID 539), "Liquefaction-induced settlement and pore pressure during earthquake", Proceedings of 7th Annual **International** conference on Architecture, Civil & Environment Engineering (ACE) Conference Indexed by Scopus.

- **A Kumar**, R.K. Sharma, B Singh (2014), “Compaction and Sub-grade Characteristics of Clayey Soil Mixed with Foundry Sand and Fly Ash and Tile waste”. IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) 2 (10), 1-5, India; 05/2014, International Conference on Advances in Engineering & Technology – 2014 (ICAET-2014)

National Conferences

- **A Kumar** and S Kumari (2016), “Behaviour of Shallow Foundation on Liquefiable Soil”. Indian Geotechnical Conference IGC2016, 15-17 December 2016, IIT Madras, Chennai, India
- **A Kumar**, C Gupta, R K Sharma (2013) “Hydraulic Conductivity and Compaction Characteristics of Sub-Grade Soil Using Industrial Waste”, Proceedings of **FMFP-2013**; 01/2013
- S Kumari, **A Kumar** (2019) (ID 19026), "Behaviour of Black Cotton Soil and Remedial Measures" 2nd National Conference on Recent Advances in Civil Engineering (RACE - II), 6 -7 June, 2019.
- **A Kumar**, S Kumari, R.K. Sharma (2019) (TH3-155) Strength Enhancement of Clayey Soil Using Cement Kiln Dust and Recron Fiber, accepted in Indian Geotechnical Conference (IGC-2019) December 19 - 21, 2019. (Scopus Indexed)
- P.V. Dipin, S Kumari, **A Kumar** (2017), “ANALYSIS OF DAM-FOUNDATION SYSTEM UNDER SEISMIC CONDITION” Sixth Indian Young Geotechnical Engineers Conference 6IYGEC2017 10-11 March 2017, NIT Trichy, India.
- A Chatterjee, S Kumari, **A Kumar** (2018), “ENGINEERING PROPERTIES OF CLAYEY SOIL STABILIZED WITH HUMAN HAIR FIBER” National Seminar on "Waste Management for Sustainable Development" 3rd June, 2018-SDE,IEI

Personal Skills

Capability to cope in any environment, Good Analytical Skill, Good Interpersonal Communication Skill, Willingness to Learn and Cooperative to Team work.

Software Skills

Platforms: Windows XP.

Other Tools: Microsoft Office, FORTRAN

Areas of Interest

Subjects studied in M.TECH

- Geotechnical Engineering, Machine foundation, soil dynamics, field exploration, advanced foundation engg , Ground improvement techniques. Laboratory soil testing.
- Environmental Engg.

Hobbies

- Diary writing.
- Listening Music.

Personal Details

DATE OF BIRTH	5-MAY-1986
GENDER	MALE
MARITAL STATUS	MARRIED
FATHER'S NAME	SADANAND ROY
NATIONALITY	INDIAN
PERMANENT ADDRESS	VILL+POST-RATANPUR, THANA-BARIYARPUR, DISTRIC-MUNGER, BIHAR-811211

Declaration:

I hereby declare that the details mentioned above are correct to the best of my knowledge.

AMRENDRA KUMAR