



DR. AMIT SRIVASTAVA

Civil (Geotechnical) Engineering

I am looking for academic and administrative position, as Professor and Dean, in your esteemed institution to deliver what I learnt during my 10 years of teaching, research and administrative experience.

CONTACT

+91-9643015755

EMAIL:

dramitsrivastava732@gmail.com

LANGUAGES:

English
Hindi

SOFT skills

Team Work
Presentation skills
Confidant
Quick decision maker

ME ON WEB

<https://www.linkedin.com/in/amit-srivastava-770b15147/>

BRIEF ACADEMIC PROFILE

Total No. of Publications = 77
Scopus Indexed documents = 49
DST Projects = 4 (contribution)
Awards & Recognition = 7
PhD Guidance = 5

RANK & SCHOLARSHIP

AIR 732 (Roorkee Entrance Exam)
AIR 14 (99.81 percentile GATE)
MHRD Scholarship: pursuing ME and PhD
SBI Scholarship: schooling till graduation (BE)

EDUCATION

| DEGREE | UNIVERSITY / SCHOOL | YEAR | % / CGPA |
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| PHD | IISC BANGALORE | 2010 | 6.6 / 8 |
| ME | IISC BANGALORE | 2004 | 5.9/8 |
| BE | UNIVERSITY OF ROORKEE, (Now IIT Roorkee) | 1998 | 64.3% |
| INTERMEDIATE | OBRA INTER COLLEGE UP Board Allahabad, UP | 1993 | 74.2% |
| HIGH SCHOOL | OBRA INTER COLLEGE UP Board Allahabad, UP | 1991 | 77.2% |

EXPERIENCE (INDUSTRY, RESEARCH, TEACHING AND ADMIN)

1. Professor & Dean Academics, Uttaranchal University, Dehradun from 15th Dec, 2021 till date
2. Professor & Head of School, Lovely Professional University, Phagwara Punjab from 26th Feb, 2018 to 10th Dec, 2021
3. Professor and Dean, Faculty of Engineering and Technology, SGT University, 5th Sept, 2017 to Feb, 2018
4. Associate Professor and Head of Department (officiating), The NorthCap University, Gurugram, Haryana from 5th July, 2014 to 4th August, 2017
5. Associate Professor and Head of Department, Northern India Engineering College, Delhi, from 20th January 2014 to 4th July, 2014
6. Assistant Professor (Senior Scale), Jaypee University of Engineering and Technology, Guna, MP from 9th July, 2010 to 4th January, 2014
7. Assistant Professor & Head of Department, BBDNITM, Lucknow from 11th Jan, 2010 to 26th June, 2010
8. Research Scholar (PhD), Department of Civil Engineering, IISc Bangalore from 6th January, 2006 to 31st December, 2009
9. Senior Research Fellow (SRF), Department of Civil Engineering, IISc Bangalore from 3rd January, 2005 to 31st December, 2005
10. Project Manager, BASPL, a subsidiary of IRCON International Limited, Khaga – Allahabad Road Project from July, 2004 to Dec, 2004
11. Assistant Engineer, ASHOKA Construction Company, construction related work from July 1998 to June 2002

SKILLS AND PROFECIENCY

PLAXIS 2D/ 3D, FLAC 2D, AUTOCAD,
SLIDE, slope stability using limit equilibrium and probabilistic approach
LABORATORY MANAGEMENT SYSTEM AS PER ISO/IEC 17025: 2017,
Established two NABL accredited lab NCUTC, in the NorthCap University UNILAB,
Lovely Professional University (LPU)
Certified for ISO/IEC 17025: 2017 and registered NABL (Technical) Assessor

Learning from projects

Research paper writing
Software skills FLAC, SLIDE
Research methodology

PhD Research PROJECT

Risk analysis of earth dams under static and earthquake loading conditions

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| <p>Publisher: HP Hamilton India Pvt. Ltd.</p> | <p>Book (Amit Srivastava, G. L. Sivakumar Babu) Soil Mechanics: Basic and Applied (<i>under progress</i>)</p> |
| <p>GOOGLE SCHOLAR PROFILE</p> <p>Total Publications = 77</p> <p>Citations = 1218</p> <p>H – index = 18</p> <p>i10 = 28</p> <p>https://scholar.google.com/citations?user=mDJArIAAAAJ&hl=en&authuser=1</p> <p>SCOPUS PROFILE</p> <p>Total Publication = 49</p> <p>Citations = 808</p> <p>H – index = 16</p> <p>https://www.scopus.com/authid/detail.uri?authorId=56303608900</p> | <p>TOP JOURNAL PUBLICATIONS /BOOK CHAPTERS</p> <ol style="list-style-type: none"> 1. G. L. Sivakumar Babu, Amit Srivastava, K S Nanjunda Rao, S Venkatesha (2010). Analysis and Design of vibration isolation system using open trenches. International Journal of Geomechanics, ASCE, 11, 364 – 369. 2. Amit Srivastava, G. L. Sivakumar Babu (2011). Analytical solutions for the protective filters based on soil retention and permeability criteria with respect to soil boiling condition. Canadian Geotechnical Journal, 48: 956–969. 3. Amit Srivastava, Chaitanya R. Goyal, Abhishek Raghuvanshi (2013). Load settlement response of footing placed over buried flexible pipe through model plate load test, International Journal of Geomechanics, ASCE, Vol. 13, No. 4, 477–481. 4. G. L. Sivakumar Babu, Krishna R. Reddy, Amit Srivastava (2013). Influence of Spatially Variable Geotechnical Properties of MSW on Stability of Landfill Slopes, Journal of Hazardous, Toxic and Radioactive Waste, ASCE, Vol. 18, No. 1, 27 – 37. 5. Krishna R. Reddy, Hanumanth S. Kulkarni, Amit Srivastava and G. L. Sivakumar Babu (2013). Influence of spatial variation of hydraulic conductivity of municipal solid waste on performance of bioreactor landfills: a case study, Journal of Geotechnical and Geoenvironmental Engineering, ASCE, Vol. 139, No. 11, 1968-1972. 6. Niragi Dave, Anil Kumar Misra, Amit Srivastava, SK Kaushik (2016). Experimental analysis of strength and durability properties of quaternary cement binder and mortar. Construction and Building Materials, 107, 117-124. 7. Srivastava, Amit, Srivastava, D.K., Misra, A.K. Spatial variability modeling and reliability analysis of flexible pavement through mechanistic–empirical model. Journal of Engineering, Design and Technology, 2019, 17(6), pp. 1129–1145. 8. Monica Malhotra, Amit Srivastava Sajjaf Jawaid (2020). Reliability analysis of shallow foundation in the vicinity of the existing buried conduit, Geomechanics and Geoengineering, 2020, 15(2), pp. 149–158. 9. Malhotra, M., Sahu, V., Srivastava, Amit, Misra, A.K. (2020) Experimental and numerical investigation of the effect of pre-existing utility tunnel on the bearing capacity of shallow footing in sandy soils Journal of Engineering, Design and Technology, 2020, 18(3), pp. 513–529 10. Pavan Kumar, D., Amit, Srivastava., Sri Rama Chand, M. (2021) Influence of various nano-size materials on fresh and hardened state of fast setting high early strength concrete [FSHESC]: A state-of-the-art review Construction and Building Materials, 2021, 277, 122299 11. Dutta, D., Misra, A. K., Amit Srivastava, Jawaid, S. (2021) Identifying causes and management of river bank erosion in Majuli Island, Environment, Development and Sustainability, 2021, 23(7), pp. 10853–10868. DOI 10.1007/s10668-020-01090-5 |

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| <p>Broad Area / Topics of PhD Scholars</p> <ol style="list-style-type: none"> 1. Environmental Geotechnology 2. Hydrology and Remote Sensing 3. Environmental Engineering 4. Concrete Technology 5. Geotechnical Engineering | <p>PhD Guidance</p> <ol style="list-style-type: none"> 1. Ms. Vaishali Sahu, working in the area of “Environmental Geotechnology” whose topic of research is “Study on Stabilized Fly Ash Lime Sludge Composite as Pavement Base Course Layer” (as supervisor) degree awarded 2. Ms. Anju Bala, working in the area of “Hydrology & Remote Sensing” whose topic of research is “Estimation of evapotranspiration through Surface Energy Balance Model Using Satellite Data” (as co-supervisor) degree awarded 3. Ms. Geetha Varma, working in the area of “Environmental Engineering” whose topic of research is “Adsorption potentiality of biomaterials and biogeocomposite on the removal of copper from aqueous solutions” (as co-supervisor) degree awarded 4. Ms. Niragi Kalpesh Dave, working in the area of “Concrete Technology” whose topic of research is “Physical, Mechanical and Micro-Structural Behaviour of Quaternary Binders, Motors and Concrete Mixes” (as co-supervisor) Degree awarded 5. Ms. Monica Rani Malhotra, working on a topic “Experimental & Numerical Investigation Of The Effect Of Pre-Existing Nearby Conduit Or Utility Tunnel On The Load Carrying Capacity Of Deep And Shallow Foundation” as supervisor (Degree awarded) |
| <p>Organization / Society Name</p> <ol style="list-style-type: none"> 1. Indian Geotechnical Society 2. American Society of Civil Engineers, EWRI 3. Lovely Professional University | <p>AWARDS AND RECOGNITION</p> <ol style="list-style-type: none"> 1. Research Appreciation award – 2019 for contribution in research , teaching and innovation by the management of lovely professional university on teacher’s day 2. EWRI, ASCE Best Paper Award - 2015 ASCE-EWRI’s Journal of Hazardous, Toxic and Radioactive Waste has selected my paper “Influence of Spatially Variable Geotechnical Properties of MSW on Stability of Landfill Slopes” for the 2015 Best Theoretical-Oriented Paper. 3. IGS-Prof. C.S. Desai Biennial Award – 2014 The paper entitled, “Spatial Variability Modelling of Geotechnical Parameters and Stability of Highly Weathered Rock Slope” by Amit Srivastava, Published in the Indian Geotechnical Journal, Vol. 42, Issue 3, July-September 2012 (pp.179-185) has been adjudged as the best paper on “Constitutive Modeling for Geologic Materials” published through the Indian Geotechnical Society. 4. IGS-AFCONS Biennial Award - 2009 The paper entitled, “Back Analysis of the Chang Dam Section in the Kachchh Region of Gujarat, India” published in the Proceedings of 17 ICSMGE-2009, Alaxendria, Egypt has been adjudged as the best paper on “Case Histories” published through the Indian Geotechnical Society. 5. IGS-Smt. Indra Joshi Biennial Award - 2006 For the best paper published in conference/symposia Underpass at air force station Yelahanka, Bangalore. Indian Geotechnical Conference (2006), Chennai Chapter under the category of best paper published in National/ International/Conferences/Symposia published through Indian Geotechnical Society. |

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| <p>OUTCOME OF VISITS</p> <ul style="list-style-type: none"> • Landslide Risk Assessment, Mitigation and Management • Paper presentation and interaction with international scientific community • Exposure to new field of research and learning presentation skills at international forum | <p>NATIONAL / INTERNATIONAL VISITS</p> <ol style="list-style-type: none"> 1. LARAM (Landslide Risk Assessment & Mitigation) @ Ravillo, Italy – 2006 Selected (Only Indian among 40 students all over the world) for the Landslide Risk Assessment and Mitigation (LARAM) short term workshop and course held in Ravello, Italy, organized by University of Salerno (Italy) during September 2006. 2. 17th International conference on soil mechanics and geotechnical engineering, ICSMGE, Alexandria, Egypt, 2009, Vol. 7 pp. 1562-1565, ISBN: 9781607500315 3. 18th international conference on soil mechanics and geotechnical engineering ICSMGE 2013, Paris, France, 1607-1610 4. International Symposium on Geohazards and Geomechanics (ISGG 2015), 10-11 September, University of Warwick (Coventry), U.K, 26 (2015), doi:10.1088/1755-1315/26/1/012055 |
| <p>PROFESSIONAL SOCIETY MEMBERSHIP</p> <ol style="list-style-type: none"> 1. Indian Geotechnical Society (IGS) – (LM-3156) 2. ISSMGE (Member), 2006-2009, 2010-2013 3. INTERNATIONAL TSUNAMI SOCIETY (2009 member) 4. ISRMTT – Life Member (LM 1906) 5. AMIE – Associate Member of Institution of India (IE-India) AM099798-9 6. Member – ASCE (American Society of Civil Engineers) - 9667794 | <p>WORKSHOPS AND SEMINARS</p> <ol style="list-style-type: none"> 1. RACE-Ind2011 two days National Conference on “Recent Advancements in Civil Engineering and Infrastructure Developments (RACE-InD 2011)” during Dec 21-22, 2011, Jaypee University of Engineering & Technology, Guna, MP 2. SSRCID-2016, SMART, SUSTAINABLE and RESILIENT Civil Infrastructure development (SSRCID-2016) during 7-8 May, 2016. Department of Civil & Environmental Engineering, The NORTHCAP University. 3. Laboratory management system as per ISO/IEC 17025: 2017 “General requirements for the competence of testing and calibration laboratories” 4. 2 days workshop on Dam safety risk analysis and management , School of Civil Engineering, Lovely Professional University, Punjab 5. EXPERT2019 Experimentation and Progression in Engineering, Research and Technology, 15-16 Nov, 2019 International Conference, Lovely Professional University, Punjab https://conferences.lpu.in/expert/ |
| <p>Learning outcomes</p> <ul style="list-style-type: none"> ➤ Risk Analysis and Total risk ratings of earthen dams ➤ Software learning, i.e., SLIDE, FLAC, PLAXIS ➤ Buried conduits or utility tunnels ➤ Landslide study and risk assessment ➤ Early Warning system for the landslide | <p>FUNDED RESEARCH PROJECTS</p> <ol style="list-style-type: none"> 1. <u>Analysis of failure of dams during Bhuj earthquake (Department of science and Technology) Principal investigator - Sivakumar Babu G. L. (2005-2008).</u> 2. <u>Reliability analysis of buried pipes (Department of Science and Technology (DST) Government of India. Principal investigator - Sivakumar Babu G. L. (2004-2007).</u> 3. <u>Bearing capacity analysis of single pile installed in the vicinity of the existing buried pipe (as mentor) Department of Science and Technology, Government of India for financial support vide reference no. WOS-A/ET-1006/2015 under Women Scientist Scheme.</u> 4. <u>Geotechnical and Geological study of an active landslide in Himanchal Pradesh (HP) for Vulnerability mapping and Risk Assessment, Amit Srivastava (Reference - NRDMS/LS/TPN-34418/2019 as Principal Investigator) (ongoing) 25 lakhs</u> 5. <u>Edge Computing Assisted Landslide Early Warning System Using Machine Learning testing the proposal submission (submitted to SERB, DST as Co-investigator)</u> |