

CURRICULUM VITAE



Dr. Rajiv Chauhan
Ph.D. (IITR)
M.Tech. (Soil Mech. & Foundation Engg.), B.Engg.(Hons)
E-mail:-rajiv.meet@gmail.com
Phone-0171-2521755, 09416496964

549/U, Kanshi Nagar,
Model Town, Ambala City
Haryana. India.

Academic Qualification

- Ph.D. in Civil Engineering with Specialization in Geotech from Indian Institute of Technology, Roorkee in 2012.
- M.Tech. in Civil Engineering with specialization Soil Mechanics and Foundation Engineering with 73.3 % from G.N.D.E.C, Ludhiana, Punjab in 2008.
- B.Engg. in Civil Engineering from Regional Engineering College Kurukshetra (Now N.I.T) with 74.46% (HONS.) in 1999.
- Diploma in Civil Engg. 70.34% from Govt. Polytechnic Ambala, Haryana in 1995.
- Matric with 69% from HBSE, Bhiwani in 1992.

Research Area

Doctor of Philosophy

Research area: Soil Liquefaction (Geotechnical Engineering)
Thesis title: Study on Liquefaction Behaviour of Reinforced Sand

Master of Technology

Research area: Ground Improvement (Soil Mechanics and Foundation Engineering)
Thesis title: Strength Improvement of Soil –Lime and Fly ash mix

Professional Experience

- **Summary :** *Teaching* - 13 years 04 Months; *Research*- 3 Years ; *Industrial* - 1 Year

- Working as Associate Professor, at **IKG Punjab Technical University, Jalandhar, Punjab (A State Govt. University) from Sep, Jan 04, 2017 to present.**
- Worked as Assistant Prof., at **Punjabi University, Patiala, Punjab (A State Govt. University) from Sep, 2013 to Jan 03, 2017.**
- Worked as Asstt. Prof., at **DeenBandhu University of Science & Technology (Govt. University), Murthal, Sonipat, Haryana** from June, 2012 to April 2013.
- Worked as Asstt. Prof., at **M.M, Mullana University, Mullana Ambala** from Jul, 2008 to 31 July, 2009.
- Worked as Senior Lect. in **RIMT-Institute of Engg. & Tech.** at Mandi Gobindgarh, Punjab from Aug, 2006 to June, 2008
- Worked as Lect. From Sep, 2000 to Aug 2006 in **Haryana College of Technology & Management Kaithal.**
- August 1999 to Sep 2000 worked with private contractor as Civil Engineer.

Scholarship and Honor

- Recipient of MHRD scholarship by Govt. of India for pursuing Ph.D.
- Nominated for Best Student Paper award by International Geosynthetics society.
- Bachelor's degree done with Hon's.
- Key note speaker and Session Chair in National and International Conferences.

Memberships

- Life Member of Indian Geotech Society(LM-3308)
- Life Member of Institution of Engineers, India
- Life Member of Indian Society for Technical Education
- Life Member of Indian society for Rock Mechanics and Tunneling

Computer Skills

- Knowledge Of STAAD PRO O6, STAAD ETC., PRIMAVERA -6.0, Window, Ms-Office, Geo Studio, Geo 5, Flac 3d

Academic & Administrative Responsibilities

- ISO convener for Deptt.
- To look after all academic activities of Deptt.

- Set up Geotech, Transportation & Staad- pro Lab.
- Served as Centre Superintendent and Assistant superintendent in University exam.
- Attended National Workshop/Summer School.

Subject Taught

- Elements of Civil Engg, Environmental Engg, Engineering Geology, Basic Soil Mechanics, Geotech Engg, Building Construction, Surveying & Levelling, Building Materials, Foundation Engg, Soil Exploration, Ground Improvement, Concrete Structure Design-I.

Workshops Attended

- Participated in the Refresher Course, held at Punjabi University, Patiala from 12-30 May 2014.
- Participated in the Workshop on GIS Applications, held at DeenBandhu Chottu Ram University of Science and Technology, Murthal from 11-15 Nov 2012.
- Participated in the Workshop on Recent Trends in Highways pavement Design including low volume roads, held at Guru Nanak Dev Engineering College, Ludhiana from 16-20 Aug 2008
- Participated in the workshop on Geotech aspects of Earthquake proof structures held at Guru Nanak Dev Engineering College, Ludhiana, from 21-31 Dec 2005.
- Participated in the workshop on Rain water harvesting methods and practices held at Madhav Institute of Engg &Tech at Gwalior, from 21 -25 Feb 2005.
- Participated in the one day workshop on Patent methods and practices held at Guru Nanak Dev Engineering College, Ludhiana.

Consultancy

- Third party audit for Punjab State Rural Deptt of worth INR 350 Crores.
- Done 7 days Traffic Census Project for Ministry of Shipping and Transport.
- Testing of Aggregates for Dadupur Power Project at Yamunanagar Distt, Haryana.
- Testing of Soil properties for private Contractors.

Research Papers in International Journal

- Singh Maninder, **Chauhan Rajiv** and Aggarwal Vanita (2010) Feasibility Study of a Rotary at, Saha on Section of NH-73 in Haryana, International Journal of Earth Sciences and Engineering, page 652 -660, ISSN-0974-5904.
- Mittal Satyendra and **Chauhan Rajiv** (2013) Liquefaction Behavior of Reinforced Saturated sand under dynamic conditions. Vol. 7(1), 109-114. International Journal of Geotechnical Engg(Impact Factor 0.67).
- **Chauhan Rajiv**, Mittal Satyendra and M. Singh (2013) Numerical Analysis of Geogrid Reinforced Embankment, Int. Journal of Civil Engg and Application, ISSN 2249-426X, Vol. 3 (4)38-41.
- Maninder Singh, Parveen Kumar, **Rajiv Chauhan(2013)** Infrared and Thermal Evaluation of neat and SBS bitumen, International journal of Civil Engg and Applications, ISSN 2249-426X, Vol 3 ,No.2, 81-84.
- Raju Sharma, Rajiv Chauhan(2014)An experimental study on strength behavior of cement concrete with use of plastic fiber, International journal of Engineering Research and application, 30-34, **ISSN:2248-9622**.
- Har Amrit, Rajiv Chauhan, Gyandera, M.S .Sisodia (2016) Identification of Black spot on NH with use of Kernel theory, **Journal of the Indian Society of Remote Sensing, Vol. 44, pp 457-464, Springer Publication Impact factor 0.5**

Research Papers in International Conferences

- S.Meerwal, , R. Chauhan, V.P.Singh (2016) Influence on Compressive Strength of HPC by replacement of river aggregates with slag aggregates, Structural Engineering and Mechanical computations in Sep 2016 at South Africa.
- Chauhan Rajiv, Mittal Satyendra and (2016) Shake Table Tests on Sand Reinforced with Geocell for liquefaction Mitigation., pp-153-160, TRACE International conference at Amity University ,Noida ,New Delhi. **ISBN: 978-93-86238-00-9**
- S.Meerwal, V.P.Singh, R. Chauhan, R.Sharma (2015) An Experimental Study on Compressive Strength Behaviour of concrete by replacing natural aggregates with Use of Blast furnace slag, pp13-17, 7th APY Researchers & Graduate symposium at Kuala Lumpur, **Malaysia**.
- Chauhan Rajiv, Mittal Satyendra and (2013) Lessons from Earthquakes for abatement of liquefaction threats to save structures – An Experimental study, ACME conference at **Korea**.
- Chauhan Rajiv, Mittal Satyendra and (2012) Liquefaction Behavior of Solani sand using Flac 3d, ICSSDN, ISBN 93-81361-66-5, 104-109, MNIT Jaipur ,India
- Chauhan Rajiv (2011), Effect of Geogrid in saturated sand against liquefaction, Nominated for research paper award by International Geosynthetics society, IIT Madras, India
- Mittal Satyendra and Chauhan Rajiv (2011) Liquefaction Behavior of Solani sand using shake table, NUICONE, Nirma University, Ahemdabab, Gujrat, India
- R. Chauhan, S. Mittal, R.Goyal (2010), A review of basic soil-structure interaction models for geotechnical problems, Advances and Trends in Structural Engineering,

Mechanics and Computation – Zingoni (Ed.) ©2010 Taylor & Francis Group, London, pp 1379-1381, ISBN978-0-415-58472-2.

- Chauhan Rajiv, Jha, J.N, Gill, K.S. (2009), Strength Improvement of soil _lime & Fly ash mix including durability aspects. ACSGE 2009, BITS, Pilani, India.
- Chauhan Rajiv, Singh Maninder, Aggarwal Vanita(2009), Road Transport Infrastructure in India towards Sustainability? ACSGE 2009 BITS, Pilani, India.
- Rajiv Chauhan, Rajesh Goyal, Rajiv Sharma (2009), Smart Materials: Future for Civil Engineering , pp. 211, SIBE , Indonesia.

Research Papers in National Journal, Conferences and Book

- Maninder Singh and Rajiv Chauhan (2014), Steel slag in Asphalt Concrete mixes, in National Conference NCRASWM, Chandigarh University, pp-27-31 having p-ISSN1694-2396.
- Rajiv Chauhan and Raju Sharma(2014), An Experimental study on CBR improvement with use of geogrid, in National Conference held in GGWUIP, Ludhiana,pp34-38.
- Rajiv Chauhan (2013), Evaluating Liquefaction Behaviour of Solani Sand, Published in ISBN no. 978-81-923-777-8-0 in National Conference held in February at GNDEC, Ludhiana.
- Rajiv Chauhan and Surender Singh (2013) Seismic Microzonation- A study, Published in ISBN no. 978-81-923-777-8-0 in National Conference held in February at GNDEC, Ludhiana .
- Rajiv Chauhan (2012) Effect of Geogrid in Saturated Sand against Liquefaction, **Indian Journal of Geosynthetics and Ground Improvement, Issue1 (1), 29.**
- Satyendra Mittal, Rajiv Chauhan, Saurav Rukhaiyar (2012) Liquefaction Behavior of Sand Reinforced with Nails, Indian Geotech Congress, New Delhi, India .
- Rajiv Chauhan, Satyendra Mittal, Maninder Singh, Aditya Kumar(2012), Review of Ground Improvement Techniques For Liquefaction Remediation, RAMM, pp. 319-327, in Feb., A.P,India.
- Aditya Kumar ,Prvaeen Kumar,Rajiv Chauhan, Maninder Singh, (2012) Stabilizing the Subgrade Soil with Slag Cement – A Laboratory Study, RAMM, pp. 337-347, in Feb., A.P,India.
- Maninder Singh , Prvaeen Kumar, Rajiv Chauhan , Aditya Kumar, (2012),Mineralogical effects of aggregates on strength characteristics of hot mix asphalt. RAMM, pp. 207-213 in Feb., A.P,India .
- Satyendra Mittal, Rajiv Chauhan, V.K.Sukhija, Mayank Suhirid(2011), Effect on Pore Pressure Generation Due to Geocell under Dynamic loads, National Conference on Recent Advances in Ground Improvement Techniques , CBRI Roorkee, India
- **Co authored a book On R.C.C Design and Drawing for Diploma students.**

M. Tech. Guided

- Surinder Singh, Study On Use Of Geo-Synthetics in Sub-Grade Improvement

- M.S. Sisodia, Application of GIS in Identification of Black Spots and Medical Emergency Service Location on National Highway
- Azad Singh, Pedestrian study on NH-1.
- A Case Study on Analysis and Review of Intersections For Rohtak city.

Strength

- Enthusiastic, open to learning. Punctual & dedicated.
- Keen interest in research for development

Foreign Visit

- Indonesia and Singapore

Personal Profile

- | | |
|---------------------|---|
| • Name | Rajiv Chauhan |
| • D.O.B. | 16.11.1977 |
| • Father's Name | Late Sh. Roshan Lal Chauhan |
| • Mother's Name | Smt. Shanti Devi |
| • Marital Status | Married |
| • Passport Status | Passport issued by Govt. Of India. No. K 9028045 |
| • Permanent Address | 549/U, Kanshi Nagar, Model Town, Ambala City, Haryana, India. |