

CURRICULUM VITAE

Name: Dr. Rakesh Pratap Singh

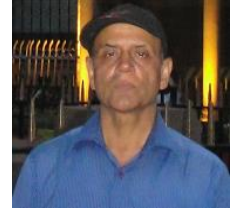
Father's Name: Late K. S. Singh

Present Position: Associate Professor,
Civil Engineering Dept,
N I T Jamshedpur

E-Mail: rpsingh.ce@nitjsr.ac.in

DATE OF BIRTH: 13-05-1961

Present Address: C-14, NIT Campus
NIT Jamshedpur-831014
Adityapur, Saraikela-Kharsawan
Jharkhand



EDUCATIONAL QUALIFICATION:

S. No.	Degree	Board/University	Year	Percentage
1.	Ph.D	I I T Roorkee	2016	N. A.
2.	M.Tech/M.E/M.S/M.Sc	MNREEC Allahabad, Allahabad University	1989	68%
3.	B.Tech/B.E/B.Sc	MMM Engineering College, Gorakhpur University	1984	73%

Ph. D Thesis Topic: Consolidation Induced Solute Transport through Clay Deposits

M. Tech Thesis Topic: Investigation of Horizontal Stresses below Surface & Sub-surface Circular Footings

RESEARCH INTERESTS: Geotechnical Engineering, Geo-environmental Engineering

RESEARCH AWARDS/FELLOWSHIPS RECEIVED: Research fellowship under QIP Scheme of MHRD

RESEARCH PUBLICATIONS (With Full Details):

INTERNATIONAL REFREED SCI/SCOUPUS JOURNALS:

1. **Rakesh Pratap Singh**, Mahendra Singh, Chandrashekhar Prasad Ojha (2014), "An Experimental Study on Consolidation of Compacted Clays", International Journal of Geotechnical engineering, vol. 8(1), pp. 112-117.
2. **Rakesh Pratap Singh**, Mahendra Singh, Chandrashekhar Prasad Ojha (2016), "Finite volume approach for finite strain consolidation", Int. J. of Num. & Anal. Meth. in Geomechanics, vol. 40 (1), pp 117-140.

PAPER SUBMITTED IN SCI JOURNALS: Nil

NATIONAL CONFERENCES:

1. **R. P. Singh**, M. Singh, C. S. P. Ojha (2012), “Finite Strain Theory of Consolidation of Clays: Finite Volume Approach”, IGC, 2012, IIT Delhi, Dec 13-15, 2012.
2. **R. P. Singh**, M. Singh, C. S. P. Ojha (2013), “Explicit Finite Volume Approach to Solute Transport through Porous Media”, IGC, 2013, , IIT Roorkee, Dec 22-24, 2013.
3. **R. P. Singh** (2017), “Coupled large-strain consolidation (lsc) and solute Transport modeling by finite volume method”, IGC, 2017, IIT Gauhati, Dec 14-16, 2017.
4. Amit Gaurav & **R. P. Singh** (2017), “A comparative study of geotechnical behaviour of pond ash using lime and cement”, IGC 2017, IIT Gauhati, Dec 14-16, 2017.
5. Dipti Sudhi & **R. P. Singh** (2017), “CBR Tests on Ferrochrome Slag Overlay over Soft Subgrade with Geotextile Reinforcement Provided at Interface” Sixth Indian Young Geotechnical Engineers Conference, NIT Trichy, 10-11 March, 2017.
6. Deepak Chaudhary & R. P. Singh (2018), “Analysis of the Influence of Polymeric Fabric Waste on Soil Subgrade”, IGC 2018, Indian Institute of Science, Bangeluru,13-15 Dec, 2018.

INTERNATIONAL CONFERENCES: Nil**RESEARCH PROJECTS/Consultancy Projects:**

1. Soil investigation for Bearing Capacity and verification of construction of industrial solid waste disposal ponds, Saraikela Kharsawan, M/s Ramkey Enviro. Engineers Ltd. Hyderabad Telengana (6.69 Lakhs).
2. Soil Investigation of proposed two building sites at Ranchi, M/s I K Worldwide, Ranchi (6.17 Lahhs).
3. Soil investigation of water logged area of Nav Jeevan Ashram Jamshedpur site (4.00 lakhs).
4. Soil Investigation and pile capacity determination at Koel river sites in Daltonganj and Garwah, Jharkhand (5 Lakhs).
5. Independent Verification Agency for construction of Chhota Govindpur & Baghbera Piped Water Supply Schemes (MVS), DW & S, Jamshedpur (200 Lakhs).

CONFERENCE/WORKSHOP ORGANIZED: Nil**Ph. D. Supervised (With Full Details): Nil****MEMBER OF EDITORIAL BOARD OF THE JOURNALS: Nil****TEACHING EXPERIENCE:**

Position Held	Institution	From	To	Nature of Job
Associate Professor (Civil Engineering Deptt.)	N. I. T. Jamshedpur	01-01-2006	continued	Teaching
Lecturer (Selection Grade) (Applied Mechanics Department	N. I. T. Jamshedpur	01-01-2000	31-12-2005	Teaching
Senior Lecturer (Applied Mechanics Department)	R. I. T. Jamshedpur	15-02-1993	31-12-1999	Teaching

AWARDS, HONOURS & RECOGNITIONS: Nil

REVIEWER OF INTERNATIONAL JOURNALS AND BOOKS: Nil

MEMBER OF PROFESSIONAL ACADEMIC BODIES: Nil

INVITED TALKS/SEMINARS GIVEN: Nil

Any Other Information:

M. Tech. Projects Supervised:

1. B. Chandrashekhar (2016) "A Model Based Study for Evaluation of the Performance of Lime and Chemical Treated Expansive Soil in Foundations".
2. Balabhadra Nayak (2016) "Application of RUSLE method and GIS in Estimation of Soil Erosion for Chandil Reservoir".
3. B. Muniraja (2017) "A Laboratory Study on the Affect of Saw Dust on the Properties of Marine Clay".
4. Dipti Sudhi (2017) "CBR Tests on Ferrochrome Slag Overlay over Soft Subgrade with Geotextile Reinforcement Provided at Interface".
5. Amit Gaurav (2017) "A Comparative Study of Geotechnical Behaviour of Pond Ash Using Lime and Cement".
6. Faizan Ahmed (2017) "To Establish Water Balance at TATA MOTORS Ltd., Jamshedpur".
7. Deepak Kumar (2017) "Analysis and Design of Hydraulic Parameters In Pipe Network System Using EPANET 2.0 Software".
8. Deepak Chaudhary (2018) "Analysis of the Influence of Polymeric Fabric Waste on Soil Subgrade".
9. Sejhal Gupta (2018), "Large Strain Consolidation of Mine Waste Tailings".
10. Anubhava Prakssh (2018), "Analytical Study on Transport of a Few Heavy Metals Through Soils".
11. Utkarsh Pandey (2018), "Inestigation of Dam Break Problem through Solution of ID-Shallow Water Equations Using MACCORMACK's Method".
12. Vimal Pandey (2018), "Chacterization of LD SLAG and its Application in Flyash Brick Making".

Ongoing Ph. D. Projects:

1. Mr. Mantu Kumar (2017), "Ground Improvement Techniques with Waste Plastic".
2. Mr. Sajjan Paswan (2018) "Numerical Modelling of Fibre Reinforced Soil Composite".
3. Miss Srija Roy (2018), " Numerical Modelling of Ground Water Contamination".