

1. Name and Photograph: ALOK RANJAN



2. Designation and complete address including email id: Principal Scientist

Geotechnical Engineering Division (Landslide Mitigation group)

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3. Area of Interest:

Soil stabilization and utilization of marginal materials

Characterisation of soils from different environments

Vibration isolation studies using In-filled trenches

4. Educational qualifications:

Qualification	Area of specialisation	Name of the Institutions	Year	% of marks/ CPI
1. M.Tech	Civil Engg (Engineering Geology)	IIT Kanpur	1993	7.56/10.0
2. B.E	Civil Engineering	NIT Patna (Patna University)	1986	66%
3. Intermediate in science	Physics,Chemistry,Math, English,Hindi	Science college (Patna University)	1980	70
4. Matriculation	Phy, Che, Math,Sanskrit,Hindi, English & Social studies	S.N.G.High School Rampur Atouly, Chapra (Bihar)	1978	70

5. Professional Experience:

Name of the organisation	Position held	Period	Nature of duty
1. CRRI.New Delhi	Principal scientist	August 2013 to till now	R&D and often field duties
2. CRRI, New Delhi	Senior scientist	2008 to August 2013	R&D and often field duties
3. CRRI, New Delhi	Junior scientist	1997 to 2008	R&D and often field duties
4. CRRI, New Delhi	Fellow scientist	1994 to 1997	R&D and often field duties
5. Adisons construction (Pvt) Ltd, Duliajan Assam	Field Engineer	1994	Quality control at site
6. IIT Kanpur	Project associate	1993-1994	R& D work

6.Membership of professional bodies:

- (i) Member of Indian Geotechnical Society
- (ii) Member of Indian Roads Congress
- (iii) Member of Indian Science Congress Association

7. Achievements:

(a) Honours and awards: (i) Award from the institute to be a member of the technology award team.

(ii) For writing technical papers in Hindi.

Research Projects: (i) Team member of fly ash mission project.

(ii) Team member of waste and marginal materials utilization project.

(iii) Quality control work in PMGSY projects.

(iv) Instrumentation work and monitoring of embankment at Visakhapatnam port project.

8. Research paper publication in journals:

Name of the authors	Title of the paper	Details of the journal	Page numbers
1.V.G.Havanagi, A.K.Sinha & Alok Ranjan	Fine copper slag as an alternative marginal material for road construction.	Indian Highways, Vol.44, 2016.	pp.25-33.
2.A.K.Sinha, V.G.Havanagi, Alok Ranjan, Sudhir Mathur & V.K.Kanaujia	Stabilised cinder waste materials for construction of pavement layers.	Indian Highways, Vol.31(3), 2015	pp.32-38
3. Alok Ranjan, R.K.Swami & Sudhir Mathur	Stabilisation of a Black Cotton soil with pond ash and cement mixed with fiber and sodium silicate.	Indian Highways, Vol.41, No.6, 2013	pp. 39-46
4.A.K.Sinha, V.G.Havanagi, V.K.Arora, Alok Ranjan and Sudhir Mathur	Characterisation of Jarofix waste material for the construction of road	Highway Research Journal, July-December, 2013	pp.35-43
5. A.K.Sinha, V.G.Havanagi, Alok Ranjan & Sudhir Mathur	4.Steel slag waste material for the construction of road	Indian Highways, Vol.41, No.10, 2013	pp.15-22
6.A.K.Sinha, V.G.Havanagi,V.K.Arora, Alok Ranjan & Sudhir Mathur	Recycling of Jarofix waste as a construction material for embankment/subgrade	International journal of solid waste and management, Vol.38, No.3, 2012	pp.169-181.
7.R.K.Panigrahi, Alok Ranjan & Sudhir Mathur	Landslide investigation and remediation technique.	Journal of council of scientific industrial research in Hindi, Vol.2, 2009.	pp. 152-157.
8. A.K.Sinha, V.G.Havanagi, Alok Ranjan & S.Das	Cinder waste material for the construction of bituminous pavement layers	Current Environmental Engineering, Vol.4, No.3	pp.1-7.

9.Conference papers:

Sl.No	Authors	Title of the article	Date/ Year	Name of the Conference	Venue	Vol No., Pages	Publisher
1.	A.K.Sinha,V.G.Havanagi,V.K.arora,Alok Ranjan & Sudhir Mathur	Feasibility study of Jarofix waste material for road construction.	December-2011	Indian Geotechnical Conference	Kochi (Kerala)	Paper No-L041, pp.685-688	Indian Geotechnical Society
2.	Alok Ranjan, U.K.Guru Vittal, R.K.Swami & Sudhir Mathur	Repair material for roads passing through B.C.Soil areas.	12-13 May,2010	National Conference in Hindi on “Construction materials”,Vision-2030	CRRRI	Vol.1,Page-Ka49-Ka57	CRRRI
3.	Alok Ranjan & Sudhir Mathur	Failure pattern observed in different type of soils.	13-15 December 2012.	Indian Geotechnical Society	IIT Delhi	Vol.2, 1118-1121.	Indian Geotechnical Society
4.	Alok Ranjan and R.K.Swami	Feasibility study of use of Jarosite for road and embankment construction.	15-16 Feb,2013.	Indian Geotechnical Society	Guru Nanak Dev Engineering College, Ludhiana (Punjab)	Vol.1, 141-143.	Indian Geotechnical Society
5.	Alok Ranjan, R.K.Swami & Uma Arun	Liquefaction behaviour of soils	10-12 Oct,2014	National conference and workshop on Geotechnical Engineering practice and sustainable infrastructure	Guru Nanak Dev Engineering College, Ludhiana, Punjab	Vol.1, pp.439-442	Indian Geotechnical Society

				development (GEPSID-2014)			
6.	A.K.Sinha, V.G.Havangi, Alok Ranjan & Sudhir Mathur	Steel slag waste material in the construction of embankment and subgrade.	13-15 December,2012.	Indian Geotechnical Society	IIT Delhi	Vol.2, 874-878.	Indian Geotechnical Society
7.	V.G.Havangi, A.K.Sinha, Alok Ranjan & Sudhir Mathur	Characterisation of superfine copper slag for construction of embankment.	13-15 December,2012.	Indian Geotechnical Society	IIT Delhi	Vol.2, 878-882.	Indian Geotechnical Society
8.	U.K.Guru Vittal, P.S.Prasad and Alok Ranjan	Geotechnical instruments for road projects in soft marine clay areas	22-24 July, 2015	Advances in Instrumentation, geomonitoring and validation symposium	CBIP Delhi		CBIP
9.	Alok Ranjan	Stabilisation of Black cotton soil with sawdust	27-29, Oct,2015.	EGNM Conference	IIT Delhi	pp.805-811	
10.	Alok Ranjan, R.K.Swami, A.K.Sinha & Kanwar Singh	Use of liwquefiable materials for vibration isolation	Sept-2016	SSRCID conference on smart and sustainable materials	Northcap University, Gurgaon (Haryana)	Journal of geotechnical Engineering, Vol.3, pp.33-36.	STM journal, NOIDA
11.	R.K.Panigrahi & Alok Ranjan	Assessment of vibration induced joint controlled rock slope failure adjacent to roadways	25-27 Oct,2017	7 th Indian Rock Conference (INDOROCK-2017)	New Delhi	pp.310-316	
12.	R.K.Panigrahi & Alok Ranjan	Geological and geotechnical investigation of the rock slopes	8-9 Dec,2017	4 th Indian Landslide Congress	IIT Mumbai		

10. Technical papers in Hindi:

- (i) “ भू-स्खलन की घटना को रोकने के लिए कंपन-रोधी दीवार की उपयोगिता” - आलोक रंजन, आर० के० पाणिग्रही, सड़क-दर्पण, अंक-13, पृष्ठ संख्या 18-20, सितम्बर-2016.
- (ii) “ सापेक्षवाद का सिद्धांत”- आलोक रंजन, अनिल कुमार सिन्हा एवं आर० के० पाणिग्रही, सड़क दर्पण, अंक-१२, पृष्ठ संख्या 33-35, सितम्बर-2015.
- (iii) “मापन का क्वांटम दृष्टिकोण” आलोक रंजन, “सड़क दर्पण”, अंक-14, पृष्ठ संख्या-42, जून-2017.
- (iv) “ सममिति एवं एकरूपता का सिद्धांत ” आलोक रंजन एवं आर० के० पाणिग्रही, सड़क दर्पण, अंक-१४, पृष्ठ संख्या-26, जून-2017.

ALOK RANJAN

(आलोक रंजन)