

Curriculum Vitae

- Name and Address: **Dr. Pulikanti Subramanya Prasad**

Senior Principal Scientist
Geotechnical Engineering Division
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- Date of Birth : 06-05-1971
- E-mail id : pulikanti.crrri@nic.in

Educational Qualifications:

Qualification	Specialization / Subject(s)	Year	Division	University / Institute
Ph.D	Geotechnical Engineering	2016	Course work CGPA: 9.5/10	Indian Institute of Technology Delhi (IITD), Delhi
M. Tech	Geotechnical Engineering	1998	First Class	Indian Institute of Science (IISc), Bangalore, Karnataka
B.E	Civil Engineering	1996	First Class with Distinction	Sri Venkateswara University, Tirupati, Andhra Pradesh

Employment details

Grade/Post	Lab./Institution	Duration from	Duration to
Senior Principal Scientist	CSIR -Central Road Research Institute (CRRI)	12/ 11/ 2017	Till date
Principal Scientist		12 / 11 /2012	11 / 11 / 2017
Senior Scientist		12/ 11 / 2009	11 / 11/ 2012
Scientist 'C'		12 / 11 / 2005	11 / 11 / 2009
Scientist 'B'		12 / 11 / 2001	11 /11 / 2005
Research Fellow	CSIR - Central Building Research Institute (CBRI)	2000	2001
Project Assistant	Indian Institute of Science, Bangalore	1998	2000

Awards

- ❖ **10th Viswakarma Award - 2018 (Trophy + certificate) received in the category of Scientist (National level)** from Construction Industry Development Council (CIDC), New Delhi.
- ❖ **"IGS Delhi Chapter leadership award - 2018"** from Indian Geotechnical society Delhi Chapter, New Delhi.
- ❖ **IGS – Mr. H.C. Verma Diamond Jubilee Award – 2013 (Innovative instrument design award)** for development of a large scale test apparatus for measuring interface bond resistance between geosynthetics/G.I strips and backfill from Indian Geotechnical Society, India.
- ❖ **Supreme Engineers Award-2012** from Economic Research India Pvt. Ltd, Mumbai in recognition of having met the highest standards of excellence in engineering under the category “*Cost Saving Outer Ring Road of Delhi*” for the innovative technology for the construction of underpass below railway embankment.
- ❖ **ISRMTT best paper award** for paper “Study of Rockfall on Mumbai – Pune Expressway – A Case Study” under the category ‘Application of Rock Mechanics in Hill Area & Water Resources Development’ (Received in the year 2011).
- ❖ **IGS-Shri R.N. Prasad Biannual Award – 2013** for the paper entitled, “Investigation and Design for Restoration of Hill Slope in Mizoram” published in Indian Geotechnical Journal.
- ❖ **Best paper award - 2013** for the paper titled “Design of remedial measures at Lukhbir slide on NH - 31A” published in Journal of Engineering Geology.

Patents (USA, UK, Sri Lanka & Singapore)

Title of the invention: *Stepwise repeated destabilization and stabilization of highly collapsible soil mass by 'soil nailing technique' used for construction of railway/road underpass*

1. USA (Patent No: 9359725 ; Date of Grant 07/06/2016)
2. Sri Lanka (Patent Number 18089; Date of Grant 19/01/2015)
3. Singapore (Patent no. 11201500373T ; Date of Grant 17/05/2016)
4. U.K (Patent Number GB2519270 ; Date of Grant 12/06/2019)

India Patent

Title of the invention: *A method for box insertion through highly unstable cohesionless soil by stabilisation of vertical cut slopes (Patent No: 355607, Date of Grant 11/01/2021)*

Books/chapter

Title of Book/chapter	Name of Publisher	Year of Publication
Landslide Science for a safer Geo-environment. Chapter title: Monitoring of Critical Himalayan Landslides and Design of Preventive Measures	Springer International (Switzerland)	2014

IRC publications

1. The Design and Construction of Geosynthetic Reinforced Embankments on Soft Soils.

IRC H4 Committee made a special group with five members to finalize / improve the Guidelines for “the Design and Construction of Geosynthetic Reinforced Embankments on Soft Soils”. I am one of the five member group to assist/ preparation of the guidelines.

✓ *The Design and Construction of Geosynthetic Reinforced Embankments on Soft Soils (IRC: 113 – 2013) published by Indian Road Congress (IRC) in the Year 2013.*

2. Guidelines on management of landslides on Indian roads and highway (Sponsored by IRC)

AS Co-project Investigator along with a team of scientists have prepared “Engineering Guidelines on Landslide Mitigation Measures for Indian Roads” (*IRC: SP: 106 – 2015*), which was sponsored by Indian Road Congress (IRC).

Membership in Organizational / National / International committees

1. Life member of national Indian geotechnical Society
2. Life member of Indian geotechnical Society (Delhi Local Chapter)
3. Life member of Indian Roads Congress

Member in Organisational /National / International committees

- Member Secretary (2018 – 2021) of "Disaster management Committee (G- 6)" of Indian Roads Congress, New Delhi
- Rajeev Gandhi Memorial College of Engg. & Tech. (Autonomous), RGM CET, Nandyal, Andhra Pradesh nominated me as Industry member on the Board of studies for B.Tech (Civil Engineering) for the period of three years (2018 - 2021).

- National Institute of Technology (NIT) Warangal, Telangana, nominated me as Industry member on the Board of studies (BOS) for M.Tech (Geotechnical Engineering) for the period of 2019 - 2020.
- Director, CRRI nominated me as an Advisory Board Member in the Seismic Academy, Hilti, Gurugram, Haryana.
- Secretary (Forest & Environment), Govt. of Uttarakhand, Dehradun nominated me as a Special Invitee in the High Power Committee (HPC) constituted by Govt. of Uttarakhand in compliance of the Honorable Supreme Court order for the Chardham Project, Uttarakhand

Completed/ongoing Projects (As Project Leader)

Projects on Pullout Test, Connection strength test and Installation Damage of Geosynthetics

1. Evaluation of connection strength between geogrid and gabion fascia (*ongoing*)
2. Evaluation of interaction friction coefficient of Geostap and paralink / Paragrid reinforcement Embedded in soil through pullout tests – (Four laning of Solan – Kaithlight Section of NH – 22 from km 106.00 to 129.050)
3. Evaluation of Installation damage of GeoStap from a test section
4. Evaluation of Connection Strength between Geogrid and Strata Block unit
5. Evaluation of Connection Strength between Geostap and Terra Block system
6. Evaluation of connection (mechanical connection) strength of the cavity (HYSD Steel rod which is embedded in Reinforced Soil Wall (RSW) Fascia Panel) for the Geo strap in RSW fascia panel
7. Evaluation of pullout strength for the galvanized steel hook (mechanical connection) for the geogrid in RE panel
8. Evaluation of interaction friction coefficient of Geostap reinforcement embedded in soil through pullout tests
9. Evaluation of connection strength between Geostap and Terra Block system
10. Evaluation of connection strength between Tenax HDPE geogrids & T-clip for modular concrete blocks (T-Block)
11. Evaluation of pullout coefficient of Geostap reinforcement embedded in soil through pullout tests
12. Evaluation of pullout coefficient of Geostap reinforcement embedded in soil (Davangere to Haveri, Karnataka) through pullout tests

13. Evaluation of connection strength between Geostrap and Terra Block system
14. Evaluation of pullout coefficient of Geostrap reinforcement embedded in soil (Nalgampalli - Karnataka/AP Border) through pullout tests

Completed Projects (As Project Leader & Team Member)

Projects on Ground Improvement and Erosion Control Measures

15. Feasibility study of local soil/ rockfill/ boulder as a fill material in Runway extension area, Jabalpur Airport
16. Fill material selection for use in New Apron and Stability of earth at the site of retaining wall, VSI Airport, Portblair
17. Repair and Rehabilitation of air field pavements at NSCBI Airport Kolkata
18. Design of road embankment in Runn of Kutch near Bhuj, Gujarat
19. Design of Bank Protection work of Haraminalla at Indo - Pak Border, Bhuj, Gujarat
20. Evaluation of three roads (Krishnapatnam port (AP), Poranki (AP) & Hyderabad (TS)) stabilized with cement and stabilroad stabilizer
21. Evaluation of Zydex (Terassil & Zycobond) Nanotechnology with cement in soil stabilization.
22. Stabilroad Stabilizer study on durability and compressive strengths on soil
23. Evaluation of Flexi – C- Ment (Highly Elastomeric Polymer) Stabilizer with cement in soil stabilization for road construction
24. Expert opinion for road number 5 Medical Sq to Krida Sq. Umred Road” of Cement Road, Phase-1, NMC Nagpur
25. Design of concrete pavement for widening & construction of cement concrete road from Hotel Radison Blue Wardha Road to Jaitala Main Road.
26. Review of the design of roads in additional complex of Supreme Court of India (SCI)
27. Utilization of dredged sand as a construction material in road construction in new capital, Amaravati, Andhra Pradesh
28. Design of Remedial Measures for Upheaval of PQC slabs around Monorail Pillars in Mumbai
29. Agro based Geotextile system for efficient road Drainage / Pilot project on construction of Rural roads under PMGSY with Jute geotextiles
30. Design of Soil Nailing for stabilization of vertical cut slopes for construction of road under the approach embankment of bridge by box pushing technique at west end approach of old Yamuna Bridge No. 249, Delhi Shahadra section
31. Design and construction of soil nailed system for the construction of Underpass at railway level crossing No. 156, Sahibabad, U.P

32. Design of Soil Nailing for stabilization of vertical cut slopes for construction of RUB by box pushing method at Apsara border on SBB – Vivek Vihar Section.
33. Design and execution of soil nail wall system for the stabilization of railway embankment for the trenchless crossing of 1700mm Dia, MS pipe below railway tracks near old steel bridge near Yamuna Bazar, Delhi.
34. Stabilization of slope of pile cap and suggestion of river bank protection measures for the construction of PMT bridge at river Ravi, Basohli, Jammu
35. Design of Suitable remedial measures for temporary link road between Lodhrani Kuda to BP 1021
36. Evaluation of Soil Strata for Centre Spine Road near T3 Terminal at IGI Airport.
37. Providing Technological solutions for road construction in Runn of Kutch – BP 1135 to BP 1169 and BP 1175 to G46.
38. Advice regarding construction of perimeter road at civil airport, Pantnagar
39. Economic Evaluation of Geosynthetic Reinforced Wall with different backfill
40. Stabilisation of soil for Parade grounds of Delhi Police training school Jharoda Kalan, Nazafgarh, New Delhi
41. Technical advice for rebuilding of East – West highway damaged by Kosi river breach, Nepal
42. Investigation of four roads in VPT area, Visakhapatnam
43. Embankment design for construction of two lane road with paved shoulder in NH-31 of Khagria-Purnia section (Pasraha Zone) (Km 301+00 to Km 317+00)
44. Instrumentation and Monitoring of Band drains work for development of adequate road connectivity to Visakhapatnam Port
45. Design of embankment using hydraulic fill for widening of M.B. road from ITO chungi to old Yamuna Bridge 4 lane to 8 lanes
46. Design review for the construction of Reinforced soil wall structure for construction of 4 lane By-Pass on NH-76 at Kota
47. Feasibility study for the Utilisation of Renolith in Road works
48. Ground improvement measures for widening of industrial bye – pass road, Visakhapatnam
49. Detailed investigation and design of high embankment on soft ground for Kalindi Bypass from Kalindi colony to Kalindi kunj (Road No : 13A), New Delhi
50. Erosion control measures for slope protection on Road / Embankment at Rann of Kutch, Gujarat
51. Advice regarding repair / preventive measures for flood damages, Indo – Pak Border roads, Gujarat
52. Recommendations for ground improvement at Chennai Bypass road project

53. Design of PMGSY road (Package GJ 1305), Sanghad Village, Anjar
54. Design of Border Road Embankment BP 1169 – BP 1175 & BP 1120 to 1123/1, Runn of Kutch, Gujarat.
55. Design of Remedial Measures for Outward Shifting / Titling of Crash Barrier at Down Ramp of MVLR
56. Design of capillary cutoff and improvement of subgrade layer (Construction of Thanesar Dhand to Khanouri Road)
57. Design review RE wall for Rohtak Bawal Section of NH – 71: Jhajjar Bypass.

Projects on Utilization of Waste and Marginal Materials for Road Works

58. Utilization of industrial wastes / Marginal materials for mechanically stabilized earth wall applications
59. Design of Coal Ash Railway embankment
60. Advice regarding use of fly ash in road embankments, Delhi State Industrial Development Corporation, Bawana, Delhi
61. Utilisation of Fly Ash and Copper Slag for Road and Embankments – Wastes from Birla Copper Unit at Dahej
62. Design of Approach embankments of Signature Bridge across Yamuna River, Wazirabad, Delhi

Projects on Landslide Investigations and Remediation Measures

63. Impact of changing climatic pattern in a part of Uttarakhand with specific reference to Landslides, Garhwal region
64. Investigation, Analysis and Design of Remedial Measures of landslides at Pumbai Valley, Dharchula, Uttarkhand
65. Slope stability evaluation, erosion control and landslide correction between km 67.0 to km 106.39 on NH-5, Himachal Pradesh
66. Feasibility Study on road alignment from km 40.00 to Saser Brangsa
67. Designing suitable remedial measures for sinking / landslide affected stretches in NH – 54. (from Jatinga junction to Harangajao)
68. Validation of Slope Protection Works of Zirakpur-Parwanoo Four Laning Project (NH – 22)
69. Development of Management System for maintenance planning & budgeting of High Speed Corridors (Supra Institutional Project)
Sub module: Study of land slide problem along High speed Corridors
70. Site Stabilisation for Platform at Digilipur (North Andaman)
71. Field investigation and design of remedial measures of Lukhbir slide, Sikkim
72. Guidelines on management of landslides on Indian roads and highway

73. Stability of slope and stability of foundation for the construction of buildings at coast guard campus – Port Blair
74. Investigation and remedial measures for slides occurred at the stretches km 162, 175, 179, 180 & 221.80 on road Dimapur – Kohima – Mao – Maram (DKMM – NH -39)
75. Detailed Investigation of Problematic Hunthar landslide/ Sinking areas at km 179.5 on NH-54 and Design Schemes for Suitable Remedial Measures
76. Slope stabilization works at IIRS Campus, Dehradun
77. Investigation of Landslide at Kaliasaur on National Highway 58 , Uttaranchal
78. Prevention of Unstable Cut Slopes along Approach Roads to Access Railway Line & Stabilisation of the Proposed Dumping Site, Jammu
79. Investigation regarding realignment of Hill top road at Simhachalam Hill, Visakhapatnam
80. Investigation, instrumentation and monitoring of land slide at Patalganga, Garhwal, Uttaranchal
81. Study of land slide and rock falls on Mumbai – Pune expressway
82. Investigation and Reconstruction of suitable corrective measures for prevention of road cut slope along with access road from Naihar village to bridge, Koldam.
83. Design of remedial measures for Mao Landslide at km 214.240 on NH-39, Nagaland
84. Land slide investigation and remedial measures for stabilization of slope at km 45 on NH 150, Khawruhlian, Mizoram
85. Landslide Investigations on Phuentsholling – Thimpu Road, Bhutan
86. Engineering of Disaster Mitigation and Health Monitoring for Safe and Smart Built Environment (EDMISSIBLE)
87. Task Title: Landslide hazard information system and design of cost effective measures for landslide control

Projects on Technical Audit / Quality Inspection of Road Projects

88. An Independent review of Signature Bridge project for technical and contractual issues
89. Performance Audit of NHAI road projects under Public Private Partnership (PPP) for
 - (a) Kagal- Satara BOT project (Km 592.240 to 725km), NH – 4, Maharashtra
 - (b) Tuni – Anakapalli, BOT (km 750 to km 799), NH – 5, Andhra Pradesh
90. Quality inspection of PMGSY roads
91. Quality control of Master Plan Roads in Dwaraka – strengthening of the existing two lanes carriageway, constructing additional four lanes, service road, foot path, drainage, C.D works and fixing kerb stones, constructing bridges & culverts, etc.,
92. Quality Audit of Four Laning Road from Ludhiana to Talwandi (92.0 km to 170.0 km of NH - 95)

Publications:

Journals

Prasad, P.S., and Kumar, K., (2017). Slope stability evaluation erosion control and landslide correction between km 67.0 to 106.39 on NH-5, Himachal Pradesh. SP of Journal of Engineering Geology, 42 (2), 1 - 12.

Prasad, P. S., and Ramana, G. V. (2016). Imperial Smelting Furnace (Zinc) Slag as a structural fill in reinforced soil structures. Geotextiles and Geomembranes. 44(3), 406 – 428.

Prasad, P. S., and Ramana, G.V. (2016). Feasibility of copper slag as a structural fill in reinforced soil structures. Geotextiles and Geomembranes, 44(4), 623 – 640.

Prasad, P. S and Ramana, G.V. (2016). Reply for Dr. Xu’s discussion of “Feasibility study of copper slag as a structural fill in reinforced soil structures” by P. S. Prasad and G.V. Ramana, 44(4), 623 – 640. Geotextiles and Geomembranes 44(6). 897 - 898.

Prasad, P.S., Kumar, K., Negi, I.S., and Kathait, A. (2014). Design of remedial measures at Lukhbir slide on NH – 31, Journal of Engineering Geology, 28 (2), 49 – 62. (**Best Paper Award**)

Negi, I.S., Kumar, K., Kathait, A., and **Prasad, P. S.** (2013). Cost assessment of losses due to recent reactivation of Kaliasaur Landslide on National Highway 58 in Garhwal Himalaya, 68(2), Natural Hazards, 901 – 914.

Panigrahi, R.K., Vittal, U.K.G., **Prasad, P. S.**, Mathur, S., and Gupta, P. (2011). Investigation and design for restoration of hill slope in Mizoram, Indian Geotechnical Journal, 41(4), 215 – 225. (**Best Paper Award**)

Kathait, A., Kumar, K., **Prasad, P. S.**, Singh, K., and Negi, I. S. (2011). Simple method for quick change detection using some topographic detection using some topographic attributes within Patalganga landslid, 5 (1 and 2), April and November 2011, Disaster and Development. pp. 11 – 22.

Kumar, K., **Prasad, P. S.**, Mathur, S., and Kimoti, S. (2010). Rockfall and subsidence on Mumbai – Pune Expressway. International journal of Geo-engineering Case Histories, 2(1), pp. 24 – 39.

Panigrahi, R. K., Vittal, U. K. G., **Prasad, P. S.**, Gupta, P., and Mathur, S. (2009). ‘Geotechnical Classification of Rocks for Hill Slope Failure at km 45.00 on NH-150, Mizoram’, Published in Indian Mining and Engineering Journal, Vol.47, No.9, 2009

Havanagi, V.G., Mathur, S., **Prasad, P.S.**, and Kamaraj N. (2007). Feasibility of copper Slag – Fly ash soil mix as a road construction material. Transportation Research Record; Journal of the Transportation Research Board, 1989(2), pp. 13-20, 2007.

Kumar, K., **Prasad, P. S.**, Goyal, N., and Mathur, S. (2007). Large – Scale -Mapping and Monotoring of the Patalganga Landslid, Disaster and Development, Journal of the national Institute of Disaster Management, 1(2), pp. 187 – 196.

Kumar, K., **Prasad, P. S.**, Goyal, N., and Mathur, S. (2007). Study of Rockfall at Amritanjan Bridge site on Mumbai – Pune Expressway – A Case Study, Jl. Of Rock Mechanics and Tunnelling Technology. 13(2), pp. 129 -139. (*Best Paper Award*)

Havanagi, V. G., **Prasad, P. S.**, Vittal U.K, G and Mathur, S. (2006). Feasibility of utilization of copper slag – fly ash - soil mixes for road construction, Highway Research Bulletin, Highway Research Board, Indian road congress, No. 75, pp. 59 – 67.

Sridharan, A., Nagaraj, H.B., and **Prasad, P. S.** (2000). Liquid limit of soils from equilibrium water content in one-dimensional normal compression. Proceedings of the ICE -Geotechnical Engineering, 143(3), pp. 165 – 169.

Sridharan. A, Pandian, N.S., and **Prasad, P. S.** (2000). Liquid limit determination of class F coal ash. Journal of Testing and Evaluation, JTEVA, ASTM, 28(6), pp. 455 – 461.

Articles in Magazines

Prasad, P.S and Kumar, K. (2020). Landslide investigations and design of cost effective measures at Mithana Landslide. GeoXchange, Vol. 01, Issue 01, pp 35 – 40.

Vinoth, M., **Prasad, P.S.**, and Vittal, U.K.G. (2019). Performance Analysis of Plaxis Models of Stone Columns in Soft Marine Clay. Indian Highways, 47(10), October, pp. 25 – 30.

Vittal, U.K.G., and **Prasad, P. S.** (2015). Slope protection works for rockfall prevention, New Building Materials and Construction World, 21 (3), 88 – 96.

Vittal, U.K.G., and **Prasad, P.S.** (2013). Design and Construction of Road Embankment using fly ash in waterlogged area, New Building Materials and Construction World, 19 (3), 116 – 123.

Panigrahi, R.K., Vittal, U.K.G., **Prasad, P. S.**, and Mathur, S. (2010). Geological and geotechnical investigations for remedy of slope failure problem at Km 214.240, of NH – 39 in Nagaland, Indian Highways, June, pp. 29 – 45.

Kumar, K., Gupta, P., **Prasad, P. S.**, and Mathur, S. (2008). Design of suitable corrective measures for stability of critical slope near Kol dam, H.P – A Case Study, Indian Highways, January, pp. 41 – 47.

International / National Conferences

Prasad, P.S and Kumar, K. (2021). Highways Upgradation in the Hilly areas and its Impact- An example of Uttarakhand, Virtual Conference on Disaster Risk Reduction – Civil Engineering for a Disaster Resilient Society, 15 – 20 March 2021, National Institute of Technology, Karnataka, Surathkal, India.

Srikanth, E., Ramana, G. V., and **Prasad, P.S.** (2020). Investigation, Design & Construction Methodology of 120m High IKOCP Dumping Yard, Singareni Collieries. 10th Online International Conference on Civil Engineering Trends and Challenges for Sustainability, 22 – 23rd Dec 2020 NMAM institute of Technology, Nitte, Karnataka, India.

Vinoth, M., **Prasad, P.S.**, Mathur, S., and Kumar, M. (2020). Investigation and Design of Remedial Measures for Landslide in Hunthar Veng, Mizoram – A Case Study, Proceedings of Indian Geotechnical Conference 2020, Dec 17 – 19, 2020, Visakhapatnam, India

Singh, K., Mittal, S., **Prasad, P.S** and Kumar, K. (2018) "Critical evaluation on retention of fine sand through soil nailing for construction of rail underpass by box jacking - A case study, ISGTI, 7 - 8 April 2018, IIT Delhi, India. pp 539-544.

Prasad, P.S., Vittal, U.K.G., Sitaramanjaneyulu, K., and Madhav, M. R. (2016) "Remedial Measures for Upheaval of PQC Panels Adjacent to Piers of Monorail in Mumbai" 5th International Conference on Forensic geotechnical Engineering (5ICFGE), 8th - 10th December 2016, Bangalore, India, pp. 366 – 377.

Anand, A. K., **Prasad, P.S.**, and Kumar, K. (2015), "Geomorphometric analysis of Chamoli and Karnaprayag District, Uttarakhand in respect to Hazard Zonation of the Area " ISPRS WG VIII/1 Workshop on Geospatial Technology for Disaster Risk Reduction, Jaipur, India on 17th December, 2015

Prasad, P.S., and Ramana, G.V. (2014). Utilization of Copper Slag as a structural fill for mechanically stabilized walls, Paper no. 12, 10 ICG (International conference on Geosynthetics), 21 – 25 September 2014, Berlin, Germany.

Kumar, K., **Prasad, P.S.**, Kathait, A., and Negi, I., (2014), Monitoring of critical Himalayan landslides and design of preventive measures. In: K. Sassa et al. (eds.), *Landslide Science for a Safer Geoenvironment*, Vol. 2, Part V, Springer International Publishing Switzerland, pp 583-588.

Prasad, P.S., and Ramana, G.V. (2013). Study to determine feasibility of using imperial smelting furnace slag as structural fill for mechanically stabilized walls, Nov. 18 – 20, 2013 GhIGS GeoAfrica 2013 Conference, Accra, Ghana

Kumar, K., **Prasad, P. S.**, Kathait, A and Negi, I. S. (2013), Over Eight Decades Old “Young” Landslide – a case study, Seventh International Conference on Case Histories in Geotechnical Engineering, April 29 – May 4, 2013, Chicago.

Vittal, U.K.G., **Prasad, P.S.**, Kishor, K., and Mathur, S.(2013), Rockfall mitigation studies on NH – 22 – A Case Study, Proc. of the Indian geotechnical conference (IGC), Theme 7, December 22-24, 2013, Roorkee.

Kumar, K., **Prasad, P. S.**, Goyal, N. K., Kathiat, A., and Negi, I. S. (2013), Successful case studies of some critical landslides on various Border Roads, Technical Seminar on Construction of Roads and Bridges in Challenging Conditions like Hills, High Rainfall and Snow Bound Areas July 18-19 2013, Pune.

Vittal, U.K.G., **Prasad, P.S.**, Kumar, K and Mathur, S. (2013), Rockfall mitigation studies on NH – 22 – A Case Study, December 22-24, Proc. of the Indian geotechnical conference (IGC)2013, Roorkee, India.

Prasad, P.S., Kumar, K., Vittal, U.K.G., Mathur, S, Bhagwan, J., Singh, K. (2012), Landslide Investigation at km 162, NH-39, - a case study, Proc. of the Indian geotechnical conference (IGC), vol. 2. pp. 1100 – 1103, December 13-15, 2012, Delhi.

Kumar, K., Kathait, A., **Prasad, P.S.**, Goyal, N.K., Singh, K., Negi, I. S and Gangopadhyay, S. (2012), Geoenvironmental Appraisal of Landslide Hazards on Highways, 13th ESRI India User Conference, Noida (NCR), December 5-6. 2012.

Kumar, K., **Prasad, P.S.**, Kathait, A., Negi, I. S. and Mathur, S, (2012) Road Tunnel, A Need for Immediate Consideration to Avoid Loss and Sufferings From Landslide Disasters on Himalayan Highways, WTC2012 - Tunneling and Underground Space for a Global Society, 18-23 May, 2012, Bangkok, Thailand.

Kumar, K., Kathiat, A., and **Prasad, P.S** (2012). Strategies for landslide risk mitigation on Indian Highways, Proc. of the Indian geotechnical conference (IGC), Vol. 2, pp. 1081 – 1084, December 13-15, 2012, and Delhi.

Sinha, A. K., Havanagi, V. G., **Prasad, P.S.**, Kumar, K., and Mathur, S. (2012) 'Design of tunnel muck dumping yard at Jammu & Kashmir rail link', Published in national conference and field study on landslide management, Nainital, March 2012

Kumar, K., **Prasad, P.S.**, and Mathur, S. (2011). Debris flows in North Eastern Region of India – a Case Study 14th Asian Regional conference on Soil Mechanics and Geotechnical Engineering, Hong Kong, China, pp426, Paper No: 467, 23-27, May 2011. (Soil Mechanics and Geotechnical Engineering: Challenges and solutions)

Bhagwan, J., **Prasad, P.S.**, Kumar, K., and Mathur, S. (2011). Investigation for stabilisation of landslides in Bhutan, 14th Asian Regional conference on Soil Mechanics and Geotechnical

Engineering , Hong Kong, China, pp399, Paper No: 145, 23-27, May 2011. (Soil Mechanics and Geotechnical Engineering: Challenges and solutions)

Kumar, K., **Prasad, P.S.**, Kathait, A., Kalota, D., Negi, I. S., Kimoti, S., and Mathur, S. (2011). Landslide susceptibility analysis by using frequency ratio method of Patalganga Valley, Garhwal Himalaya. Proceeding of National Conference on Landslide Hazard Consequences and Challenges, pp.30 – 47, Feb. 10 -12, 2011, Roorkee, India.

Kumar, K., **Prasad, P.S.**, Negi, I.S., Kathait, A., Kimoti, S., Singh, K., and Mathur, S. (2011). Recent Reactivation of Kaliasaur landslide and impact thereafter. Proceeding of National Conference on Landslide Hazard Consequences and Challenges, pp. 48 – 58, Feb. 10 -12, 2011, Roorkee, India.

Kumar, K., **Prasad, P.S.**, Shivashis Kimoti, Indervir S Negi, , Kathait, A., Abhilipsa Dash, and Mathur, S. (2011) Kinematic slope stability analysis of Kaliasaur Landslide on NH 58, Garhwal Himalaya, Third Indian Rock Conference, INDOROCK 2011, Oct. 13 – 15, 2011, Roorkee, India. pp. 341 – 347.

Kumar, K., **Prasad, P.S.**, Kathait, A., Inder S Negi, and Mathur, S. (2011) Landslide Hazard Management on Mountainous Highways – A Critical Need, 12th ESRI India user Conference, Dec. 7 – 8, 2011, New Delhi, India.

Vittal, U.K.G., **Prasad, P.S.**, and Mathur, S. (2011) Construction of Road Embankment using fly ash in water logged area: a case study, National Conference on Fly ash, Dec. 5 – 7, 2011, Hyderabad, India. pp. v2.1 – v2.7.

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