

## Prakash Kumar Singh

Research Scholar

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## RESEARCH THEME

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Earthquake triggered landslides along rock cut slopes in high and steep mountainous area.

## KEY ACADEMIC PROJECTS

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**M.Sc:** Structural setup of granitoid gneisses in Singhbhum pluton, Orissa, India, IIT Kharagpur, 2009-2011.

## POSITION OF RESPONSIBILITY

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- Sports Secretary of the Departmental Society (EARTH SCIENCE STUDY CIRCLE), IIT Kharagpur, 2009-10.
- Organized various sports events in the Department (Cricket, Volleyball, Chess and Table Tennis, IIT Kharagpur, 2009-10.
- Captain of the team in the Intra-departmental volleyball match and the team was Runners up and member of the Gold winning Cricket team, IIT Kharagpur
- Supervised practical and theory classes for masters' students as teaching assistant, IIT Bombay, 2012-2013

## COMPUTER SKILL

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- Working knowledge of Image processing software: ERDAS IMAGINE 9.1
- GIS Software: Arc GIS 9.0
- Corel DRAW X5, Adobe Illustrator and Photoshop CS, Origin, Surfer
- Compatible with Windows (OS)
- Slope stability analysis packages: Plaxis, Flac 2D, UDEC, Phase, Slide, ABAQUS

## AWARDS AND RECOGNITIONS

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- All India Ranking (AIR) 50 in JAM for M.Sc. (Geology) conducted by IIT's, India
- All India Ranking (AIR) 32 for M.Sc. (Geology) conducted by BHU, Varanasi, U.P, India
- Qualified Junior Research Fellowship (JRF)-NET- UGC - 2011 with rank 44, India
- Qualified Test of English as a Foreign Language (TOEFL iBT) on April 9, 2011.
- Won Gold (Shot-Put) and Silver (Javelin) medal in PG Sports meet and Gold (Shot-Put) in GC (Inter-hall meet), IIT Bombay, 2013.

## PUBLICATIONS

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1. Ashutosh Kainthola, **P K Singh**, A B Wasnik, T N Singh (2012) Distinct Element Modeling of Mahabaleshwar Road Cut Hill Slope, Geomaterials, 2, 105-113
2. Ashutosh Kainthola, **P K Singh**, A B Wasnik, M Sazid and T N Singh (2012) Finite Element Analysis of Road Cut Slopes using Hoek & Brown Failure Criterion, IJEE, 5(5), 1100-1109
3. M Sazid, A B Wasnik, **P K Singh**, Ashutosh Kainthola and T N Singh (2012) A Numerical Simulation of Influence of Rock Class on Blast Performance, IJEE, 5(5), 1189-1195

4. **P K Singh**, A B Wasnik, Ashutosh Kainthola, M Sazid, T N Singh (2013) The stability of road cut cliff face along SH-121- A case study, Natural Hazard, 68 (2), 497-507
5. **P K Singh**, Ashutosh Kainthola, R Singh, S S Gupte, V Maji, T N Singh (2013) Estimation of critical parameters for slope stability in an in-pit mine dump, SGAT, 14 (1), 34-44
6. **P K Singh**, Ashutosh Kainthola, T N Singh (2013) Rock Mass Assessment along the Right Bank of River Sutlej, Luhri, Himachal Pradesh, India, International Journal of Geomatics, Natural Hazard and Risk
7. **P K Singh**, Ashutosh Kainthola, DG Roy, N N Sirdesai, V Maji, T N Singh (2013) Empirical and numerical solutions for slope stability analysis of cut slopes in mountainous areas, International conference on future challenges in ESEMR, 14-16 November, 2013, ISM Dhanbad, Jharkhand