

Ashutosh Kainthola

Research Scholar

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RESEARCH THEME

Slope stability analysis of hill cut slopes using numerical methods

KEY ACADEMIC ACHIEVEMENTS

- Awarded Gold medal for securing highest marks in M.Sc Geology

POSITION OF RESPONSIBILITY

- Supervised and assisted laboratory and theory classes for M.Sc and M.Tech students.
- Oversaw the inception, progress and completion of a number of geotechnical consultancy projects.
- Engineering Geologist at Tapovan-Vishnugad HEPP with L&T-AM JV (2009)

COMPUTER SKILL

- Proficiency in Geotechnical analysis codes viz., UDEC, FLAC, PHASE2, SLIDE, PLAXIS, ABAQUS
- Adeptness in Corel draw, Adobe illustrator, Origin 8.0, MS office suite

AWARDS AND RECOGNITIONS

- Awarded CSIR-JRF fellowship with an All India Rank of 29

PUBLICATIONS

1. **Ashutosh Kainthola**, Dhananjai Verma, S S Gupte & T N Singh, A coal mine dump stability analysis-A case study, International Journal of Geomaterial, 2011, 1, 1-13
2. **Ashutosh Kainthola**, Dhananjai Verma, S S Gupte & T N Singh, Analysis of failed dump slope using limit equilibrium approach, Mining Engineer's Journal, 2011, 12 (12), 28-32
3. D Verma, R Thareja, **Ashutosh Kainthola** & T N Singh, Evaluation of open pit mine slope stability analysis, International Journal of Earth Sciences and Engineering, 2011, 4(4), 590-600
4. R Singh, **Ashutosh Kainthola** & T N Singh, Estimation of elastic constant of rocks using an ANFIS approach, Applied Soft Computing, 2011, 12, 40-45
5. T N Singh, **Ashutosh Kainthola** & A Venkatesh, Correlation between Point Load Index and Uniaxial Compressive Strength for different rock types, Rock Mechanics Rock Engineering, 2011, 45, 259-264
6. **Ashutosh Kainthola**, Dhananjai Verma & T N Singh, Computational Analysis for the Stability of Black Cotton Soil Bench in an Open Cast Coal Mine in Wardha Valley Coal Field, Maharashtra, India, International Journal of Economic and Environmental Geology, 2012, 2(1), 11-18

7. A K Singh, **Ashutosh Kainthola** & T N Singh, Prediction of Factor of Safety of a Slope with an Advanced Friction Model, *International Journal of Rock Mechanics and Mining Sciences*, 2012, 55, 154-167
8. **Ashutosh Kainthola**, P K Singh, A B Wasnik & T. N. Singh, Distinct Element Modelling of Mahabaleshwar Road Cut Hill Slope, *International Journal of Geomaterials*, 2012, 2, 105-113
9. **Ashutosh Kainthola**, P K Singh, A B Wasnik, M Sazid & T N Singh, Finite Element Analysis of Road Cut Slopes using Hoek & Brown Failure Criterion, *International Journal of Earth Sciences and Engineering*, 2012, 5(5), 1100-1109
10. Dhananjai Verma, **Ashutosh Kainthola**, Rajesh Singh & T N Singh, Assessment of Geomechanical properties of some Gondwana Coal using P-Wave Velocity, *International Research Journal of Geology and Mining*, 2012, 2(9), 261-274
11. Dhananjai Verma, **Ashutosh Kainthola**, Rahul Thareja & T N Singh, Stability Analysis of an Open Cut Slope in Wardha Valley Coal Field, India, *Journal of Geological Society of India*, 2012, 81, 804-812
12. M. Sazid, A B Wasnik, P. K. Singh, **Ashutosh Kainthola** & T N Singh, A Numerical Simulation of Influence of Rock Class on Blast Performance, *International Journal of Earth Sciences and Engineering*, 2012, 5(5), 1189-1195
13. **Ashutosh Kainthola**, Dhananjai Verma, Rahul Thareja & T N Singh, A Review on Numerical Slope Stability Analysis, *International Journal of Science, Engineering and Technology Research*, 2013, 2 (6), 1315-1320
14. P K Singh, **Ashutosh Kainthola**, Rajesh Singh, S S Gupte, V Maji & T N Singh, Estimation of Critical Parameters for Slope Instability in an In-Pit Mine Dump, *Journal of the Society of Geoscientists and Allied Technologists*, 2013, 14(1), 43-44
15. P K Singh, A B Wasnik, **Ashutosh Kainthola**, M Sazid & T N Singh, The Stability of Road Cut Cliff Face along SH-121- A case study, *Natural Hazard*, 2012, 68 (2), 497-507
16. D Verma, **Ashutosh Kainthola**, S S Gupte & T N Singh, A Finite Element Approach of Stability Analysis of Internal Dump Slope in Wardha Valley Coal Field, India, Maharashtra, *American Journal of Mining and Metallurgy*, 2013, 1(1), 1-6
17. P K Singh, **Ashutosh Kainthola** & T N Singh, Rock mass assessment along the right bank of river Sutlej, Luhri, Himachal Pradesh, India, *Geomatics, Natural Hazards and Risk*, 2013, <http://dx.doi.org/10.1080/19475705.2013.834486>