Mohd Sazid, (Scientist 'B')

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RESEARCH THEME:

Investigating the role of stemming in engineering blasting operation of open pit mines

POSITION OF RESPONSIBILITY

- Presently working as scientist in National Geotechnical Facility, Department of Science & Technology, Dehradun-01 (UK), India

COMPUTER SKILL

- Microsoft office including Visio
- Abaqus/CAE
- FLAC/Slope
- FLAC 2D and 3D

AWARDS AND RECOGNITIONS

- CSIR/JRF-2009
- CSIR/7th TLEP-2010
- CSIR/SRF-2011

PUBLICATIONS

1. Sarkar, K. Sazid, M. Khandelwal, M. and Singh, T.N. 2009. Stability analysis of soil slope in Luhri area, Himachal Pradesh. Mining Engineers Journal. Vol-10(6). pp. 21-27.
2. Sazid, M. Singh, T. N. and Saharan, M. R. 2011. Risk Analysis of Mine Dump Slope Stability- A Case Study. Mining Engineers Journal. Vol-12(7). pp. 11-15.
3. Sazid, M. and Singh, T.N. 2013. Two-Dimensional Dynamic Finite element simulation of Rock Blasting. Arabian Journal of Geosciences, Volume 6(10), pp. 3703-3708.
4. Sazid M., Washnik A.B., Singh P.K., Kainthola A. and Singh T.N. 2012. A Numerical Simulation of Influence of Rock Class on Blast Performance. Int. J. Earth Sci. Eng. ISSN 0974-5904. V 5(5), pp 1189-1195.
5. Kainthola A, Singh P.K., Washnik A.B., Sazid M. and Singh T.N. 2012. Finite Element Analysis of Road Cut Slopes using Hoek & Brown Failure Criterion, International Journal of Earth Sciences and Engineering, ISSN 0974-5904, V 5(5), pp 1100-1109.

6. Singh P.K., Wasnik A.B., Kainthola A., Sazid M. and Singh T.N. 2013. The stability of road cut cliff along SH-121: a case study. Natural Hazards, DOI 10:1007/s11069-013-0627-9.
7. Sazid, M. Kumar, R. and Saharan, M. R. 2007. Mining Props with Active Load Setting. Annual Mines Safety week of Western Coal Limited. Wani North Area.
8. Kumar, R. Sazid, M. Jha, B. K. Saharan, M. R. Bhati, M. and Naik, V. 2008. An Experience with Designing Resin Grouted Rock Bolts for Coal Mines Tunnels. Workshop on Rock Mechanics & Tunneling Techniques. Manali (HP) India. 24-26 April. pp. 46-56.
9. Sazid, M. Singh, T.N. and Saharan, M. R. 2009. Risk Analysis of Mine Dump Slope Stability- A Case Study. Int. Conf. on Mine Advance Technology for Exploration and Exploitation of Minerals. MEAI. Jodhpur. 14-16 Feb. pp. 321-326.
10. Saharan, M. R, Jha B. K. Sazid, M. and Kumar, R. 2010. Designing Cut out Distance for Continuous Miners Operation using Numerical Modelling and Rock Mechanics Instrumentation. Workshop on Application of Rock Mechanics- Tools & Techniques. Nagpur India. 15-17 Jan. pp. 176-193.
11. Sazid, M. Saharan, M. R. and Singh, T.N. 2011. Effective Explosive Energy Utilization for Engineering Blasting- Initial Results of an Inventive Stemming plug, SPARSH. Harmonising Rock Engineering and the Environment. 12th ISRM Congress on Rock Mechanics. Beijing China. 18-20 Oct. pp. 1265-1268.
12. Sazid M. and Singh T.N. 2012. Economically and environmental friendly control blasting results through stemming plug. Int. Mining Congress and Expo. Tehran. Iran.Oct 26-29. pp. 201-206.
13. Singh T.N., Sazid M. and Saharan M.R. 2012. Effect of air deck on rock blasting results-a numerical approach. 7th Asian Rock Mechanics Symposium, 15 – 19 Oct. Coex, Seoul, Korea. pp 495-505.
14. Sazid M. and Singh T.N. 2013. Mechanism of air deck technique in rock blasting- a brief review. INDOROCK-13, 29-31 May 2013, JUIT Waknaghat, Himachal Pradesh, India.
15. Sazid M. 2013. Generation of ground vibration during rock blasting. India Geophysics Union, Wadia Institute of Himalayan Geology, Dehradun, 11-12 June. (Poster presentation).
16. Sazid M. and Singh T.N. 2013. Simulation of blast by dynamic numerical constitute model. National Seminar on Rock Blasting. NIT Surathkal.