

PUBLICATIONS OF PROF. SUBIR KUMAR MUKHOPADHYAY

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[Out of the 41 journal papers listed below, 3 of them have been awarded gold medals, 1 has been awarded silver medal, 1 has been awarded bronze medal and 2 have been awarded Certificate of Merit from different professional Institutions.]

I. JOURNALS PAPERS

- 89. Mukhopadhyay, S. K., Deb, D and Rao, K. U. M., (2011); "Design and Stability Analysis of Open Stopes in Hard Jointed Rockmass – An Integrated Techno-economic Approach."** *Journal of The Institution of Engineers (I) - Min. Engg. Div.*; Vol. 91, Feb. Part MN, pp. 8 - 18.
- 88. *****Mukhopadhyay, Subir Kumar, Deb Debasis, and Sastry, B. S., (2009); "Design of a Combined Stopping Method below an Open Pit mine Using Numerical Modeling - A case study",** *Transactions Journal of the Mining Geological and Metallurgical Institute of India*, Vol. 105, pp.19 -31.
- 87. Mukhopadhyay, S. K., ,(2009); "Loose mine waste dump: planning , design , construction and layout":** in *Guidance for Solving Challenges of Mining, Construction and Oil and Gas Field Projects* (Ed. J. Bhattacharya) 1st ed. Pub: Wide publishing, Kolkata ISBN: 978-81-909043-0-8.
- 86. Mukhopadhyay, S. K.,(2009)); "Emergence of the word in informatics from term to course discipline",** MGMI publication, vol. 34 (1), ISSN: 0254-8003, pp. 30-34.
- 85. ***** Mukhopadhyay, Subir Kumar, and Deb, Debasis, (2008); "Stope Design below an Abandoned Open Pit Mine by 3 D Numerical Modeling for a Chromite Deposit",** *Journal of The Institution of Engineers (I) - Min. Engg. Div.*; Vol. 88, Feb., Part MN, pp. 16 - 24.
- 84. *****Deb, D., Mukhopadhyay, S. K. and Suman, R. (2007); "Efficacy of Numerical Analysis on Stability of Stope Applying Three Dimensional Finite Element Method For A Chromite Ore Body".** *Transactions Journal of the Mining, Geological and Metallurgical Inst. of India*; vol.103, pp. 83-93.

** This paper was awarded "Institute Silver Medal" of MGMI for the year 2008- 2009.

***** This paper was awarded "Hindustan Zinc Prize - Gold Medal" of *The I E (I)*, 2007- 2008.

***** This paper was awarded "Institute Gold Medal" of MGMI for the year 2006-07.

- 83. Mukhopadhyay, S. K.,** Pal, S. K. and, S. K., and Bhattacharjee, A., **(2007); "A Critical Review of the Research Findings on Mine Safety Applying Quantitative Methods"** *Minetech Journal*; Vol. 28, No. 1, Jan. - Mar., pp. 47-53.
- 82. Deb, D., Mukhopadhyay, S. K.,** and Suman, R., **(2006); "Stability Analysis of a Stope Using Three Dimensional Finite Element Method in a Ferro-alloy Deposit"**; *Journal of Mines, Metals and Fuels*; Special Issue on New Technology for Surface and Underground Mining; Vol. 54, No.12, Dec., 2006; pp. 351-355, 376
- 81. Mukhopadhyay, S. K.,** Pal, S. K., and Bhattacharjee, A., **(2006); "Management of Vocational Training to Enhance Mine Safety – A Study-based Suggestion"**; *Minetech Journal*; Vol. 27, No. 3 & 4; Jul, Dec, pp. 65 71.
- 80. Pal K., Pal S. K. and Mukhopadhyay, S. K., (2005); "Augmentation of Automobile Tyres Life in Mineral industry through Improved Material Properties"**; *Mining Engineers' Journal*; V.7, No6; Dec.2005pp. 23-26.
- 79. Mukhopadhyay, S. K. and Kumar, D., (2004); "Longwall Mining in India – Mapping the Short Comings through Experience and Sighting the Benchmark for Successful Application under Chinese Guidelines"**; *Journal of The Institution of Engineers (I) - Min. Engg. Div.*; Vol. 84, Part MN 2, Feb., 2004; pp. 43 - 55.
- 78. Mukhopadhyay, S. K.,** Pathak, K. and Guddu, K., **(2003); "Development of Decision Support System for Stock Control at Area Level in Mines"**; *Journal of The Institution of Engineers (I) - Min. Engg. Div.*; Vol. 84, Part MN 1, Aug., 2003; pp. 11-16.
- 77. Mukhopadhyay, S. K. and Mukherjee Debopam (2001); "Renewable Energy Resource :Potential and Possibilities"**; *Electrical India* ; Vol. 42, No. 04, Mar., 15, 2001; pp.24-28.
- 76. ****Mukhopadhyay, S. K.,** Bhattacharjee, A. and Jana, S., **(2001); "Production Forecasting in An Indian Mine Using Fuzzy Sets"**; *Journal of The Institution of Engineers (I) - Min. Engg. Div.*; Vol. 81, Part MN 2, Feb., 2001; pp. 27-32.
- 75. Bhattacharjee, A., Mukhopadhyay, S. K. and Ray, S.C., (2000); "A Study of Human Behaviour in Coal Mine Accidents"**; *Transactions Journal of the Mining, Geological and Metallurgical Institute of India*; Vol. 96, Nos. 1 and 2, Apr., 1999 - Mar. 2000; pp. 47-66.
- 74. Mukhopadhyay, S. K. and De, Parijat, (1999); "Planning for Restoration of Degraded Land Due to Surface Mining under Indian Context"**; *Journal of The Institution of Engineers (I) -Min. Engg. Div.*; Vol. 80, Part MN 2, Nov. 1999, pp.34-41.
- 73. Mukherjee, Debopam and Mukhopadhyay, S. K., 1999); "Challenges Before The Power Industries in India in The Next Decade"**; *Electrical India*; Vol. 39, Mar., 31, 1999; pp.11-13.

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- 57. Mukhopadhyay, S. K.,** Nandakumar, S. and Banerjee, S., **(1994); "Operations at The Chaibasa Cement works";** *Quarry Management* (The Quarry Managers' Journal), Nottingham, **U. K.**; Mar., 1994; pp.11-13.
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- 51. Mukhopadhyay, S.K.,** Pal, S. K. and Sharma, P., **(1992); "Computer aided UPD -- A 3D dynamic cone Approach";** *Journal of Mines, Metals and Fuels*; Special number on Surface Mining Developments: Design, Equipment and Practice; Vol. XL, No.8 & 9, Aug.- Sep., 1992; pp. 270-274.
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46. Mukhopadhyay, Subir Kumar, Deb, Debasis and Umamaheshwar Rao, K., (2010); "Design and Stability Analysis of Underground Metal Mine Workings", Proc. of the Int. Conf. on '3rd ASIAN MINING CONGRESS' - Resurgence of Mining in Asia: Prospects and Challenges, (Vol. II), Kolkata, India, pp. 39-47, The MGMI, Kolkata, ISBN: 978-81-8211-069-4.
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I. **NATIONAL SYMPOSIA, SEMINARS, CONFERENCES**

- 32. Mukhopadhyay S. K., (2011); "Open Stope Design in Hard Jointed Rockmass"** Proc. of the Nat. Sem. on. ,Global Mining Scenario and Emerging Challenges, 12th to 13th February, MEAI, Jaipur, pp. 34-43.
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- 29. Mitra, A., and Mukhopadhyay S. K., (2008); "Coal Workers' Black Lung Disease and Caplan's Syndrome – A medical Perspective on the Health of the Coal Workers".** Proc. of the Nat. Sem. on 'New Mining Initiatives for Sustainable Development'; Mining Engineering Dept., Bengal Engineering and Science University (BESU), pp. 11/1 - 11/11.
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- 23. Mukhopadhyay, S.K. , (1999); "Necessity for Care of Humanware to Enhance System CapacityUtilization in Mining";** Proc. of the Nat. Sem. on ' System

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