

1. Ahirwal B, Singh A. K, Vishwakarma R. K and Singh V. K: Intrinsic Safety : The Best Method of combating Explosion Hazard – A Review, *Electrical India*, Vol. 44 & No. 5, 2004
2. Ahriwal B: Dust Explosion, *Electrical India*, Vol. 44, No. 12, 2004.
3. Ahriwal B, Singh A. K, Vishwakarma R K and Singh V K: General Maintenance Requirements for Hazardous Area Electrail Equipment, *Mines and Minerals Reporter*, Kolkata, 2004.
4. Ahmad M, Chakraborty M. K, Ratan, S and Gupta Asha: Textural and Mineralogical Characteristics of Suspended Particulate Matter in Metal Mines. *The Indian Mining & Engineering Journal*, Vol. 43, No. 04, 2004.
5. Bagde M. N, Chakraborty A. K. Bandopadhyay C : Fractal Dimension and its Application in Rock Mechanics : A Review, *The Indian Mining & Engineering Journal Special Supplement on Rock Ex'05*, Vol. 43, No. 12, Nagpur, 2005
6. Bhowmic S and Raina A.K et. Al: Flyrock Prediction and Control in Opencast Mines : A Critical Appraisal, *Mining Engineers' Journal*, 6(5):10-16.
7. Chakraborty A.K, Raina A. K, Haldar A, Ramulu M, Choudhury P.B, Bandopadhyay C. and Yerpude R.R.: Analysis of Human Response to Blast Induced Environmental Hazards, *NSEEME*, Dhanbad in Special Issue of *J.Inst. Publ. Health Engineers India*, 2004
8. Chauly S.K,: Evaluation and Management of water Resource for a Limestone Mining Area, *Minetech* 25 (2&3), 2004.
9. Gupta K. C, Mishra P. K. and Singh R. S: Performance Study of Bamboo Species for Reclamation of Mine Spoil : *Pollution Research*. 23(4), 2004
10. Gupta K. C, and Singh R.S : Bio-reclamation of Wasteland in Sizua-Bhelatand Area : *Pollution Research* : 23(2), 2004
11. Gupta K. C, Mishra P. K. and Singh R. S: Performance Study of Amaranthus of Minespoil : *Indian J. Environ. & Ecoplan*, 8(1), 2004.
12. Gupta K. C, Mishra P. K, and Singh R.S. : Performance Study of Bamboo Species for reclamation of Minespoil: *Pollution Research* : 23 (4), 2004.
13. Gupta K. C, and Singh R. S.: Bio-reclamation of Wasteland in Sizua-Bhelatand Area : *Pollution Research* : 23 (2), 2004.
14. Gupta P. K. and Singh A. P.: Certain Geological and Geomorphological Characteristics of Gahirmatha Beach Deposit Orrisa for habitat Evaluation of Olive Ridleys Marine Turtle: *Arpan*: Vol. 3 No. 1 – 2
15. Gupta P K. and Singh A. P.: Certain Aspects of Water Crisis in India with some Remedial Measures: *Jr. of Association of Resource Persons Aid in Need*:vol. 4 No. 1-2, 2005.
16. Jaipal V. S, Dwivedi R. D. and Mohnot J. k.: Impact of Sandstone Quarrying on the Catchments Area of Balsamand-Lake in Jodhpur City: *The Indian Mining & Engineering : Journal* vol. 43, No. 4,
17. Kumar A, Chaulya S. K, Kumar S and bandyopadhyay L. K.: Trapped Miners Detection, Location and Communication System : *Minetech*, 24 (6), 2004.
18. Kumar Nikhil : Effect of Heavy metals on Planted Species root Growth and Biomass over coal Overburden Dump, *Journal of Industrial Pollution control*, Vol. 20(1), 2004.
19. Kumar Nikhil : Reclamation Bond, *Journal of Industrial Pollution Control*, Vol. 20(1), 2004.
20. Kumar Nikhil: Accumulating Factor of Heavy Metals in Planted Species over Coal Overburden Dump, *Asian Journal of Microbiology, and Biotechnology Environmental Sciences*, Vol. 7 (1), 2005
21. Kumar Nikhil: Importance of Tillage practices in the Re-vegetation of Overburden Dump, *International Journal of Ecology, Environmental and Conservation*, Vol. 10(3) 2004.
22. Kumar Nikhil: Vetiver Grass for the Bio-reclamation of coal Overburden Dumps, *International Journal of Ecology, Environmental and conservation*, Vol. 10 (4), 2004.
23. Kumar Nikhil: Water Hyacinth : A Green Tool for the Sustainable Development of Coalfields, Book Entitled: *biotechnological Application in Environmental Management* by R. K. Trivedy, *ENVIROMEDIA*, karad, Chapter, No. 38.

24. Kumar Nikhil: Legumes : Importance in the Re-vegetation of overburden Dumps, Book Entitled Biotechnological Application in Environmental Management by R. K. Trivedy, ENVIROMEDIA, Karad Chapter No. 17.
25. Kumar Niraj and Paul Biswajit: Planning of Risk assessment & Safety management in Indian Surface Mines, Journal of Mines, Metals and Fuels, special Issue, Kokata, 2004.
26. Khandelwal M, roy M.p. and Singh P. K.: application of Artificial Neural Network in Mining Industry, Indian Mining and Engineering Journal, Bhubaneshwar, Vol. 43, No. 07, 2004.
27. Kumar M, Ghosh P. K, Singh A. K. and Banerjee G: routine Condition Monitoring of Equipments Deployed at Coal Mines in India – A Case Study, Journal of Mines Metals & Fuels Vol. 51, No. 7&8, 2004.
28. Mandal P. k, Singh Arun Kumar, Ram S, Singh Amit Kumar, Kumar Nirmal and Singh R: Stata Behaviour Investigation of India's First Depillaring Face with Continuous Miner and Shuttle Car. Minetech, 25(6), 2004.
29. Mandal P. K, Singh Arun Kumar, Ram S, Singh Amit Kumar and Singh R: Depillaring of a Thick Coal Seam Using Cable Bolts Under Shallow Depth Cover – A Case Study, The Indian Mining and Engineering Journals, Vol. 43 (7), 2004.
30. Mohalik N. K, Singh R.V.K, Sural G, Barnwal R. P and Singh V. K: Environmental Impact of Coal Mine Fire During Excavation of Developed Galleries by Opencast method, the Indian Mining & engineering Journal, Vol. 43, No. 11, 2004.
31. Mishra R. K, Kumar Arvind, Kumar N, Singh A. K. and Singh V. K. : Design construction and Testing of High Voltage (HV) Flameproof Electric Motors for Hydrogen Explosive Atmosphere (IIC) case Studies, Journal of Scientific & Industrial Research, Vol. 64, 2005.
32. Mandal P.K. and Singh M.M: Deflection of Walls as the Cause of Structural Damage a Conceptual Model, Journal of Mines, Metals and Fuels, Kolkata, 2005.
33. Nabiullah, Pingua B.M.P, Jagdish, Kalam A and Khan M: Studies on Performance of Bulk Explosives and Delivery System, Minetech, Vol. 25, No. 6, pp. 37-46, 2004.
34. nabiullah, Pingua B.M.P, Jagdish and Khan M: Study on Explosive Quality and Their Quality Rating, Indian Mining Engineering Journal, Vol. 44, No. 1, pp. 34 – 40, 2005.
35. Paul A, Singh A. K, Rao D.G. Sinha A, and Babu S. Hareesh : Resin Bolting as a System of support in Underground coal Mines, Mining Engineering Journal, Vol. 6, No. 4, 2004.
36. Prakash A, Singh K.B, Singh K.K.K, and Lokhande R. D: New approach to Raise survey, Minetech, Vol. 25, No. 6, 2004
37. Prakash A, Singh K. B, Singh K.K.K: Reclamation of Subsided Land for Residential Colony at Samleshwari Open Cast Project, Mahanadi Coalfields Limited, Minetech, Vol. 2 & 3 No. 5, 2004.
38. Prakash A. J: recent Trends in Blasting Technology some Investigations in Indian Mines, Mining Engineer's Journal, Vol. 6, No. 1, 2004.
39. Prakash A. J.: Ground Vibration Characteristics Affected by Change in Velocity of Detonation of Explosives in Production Blasting A Study in an Indian Iron Ore Mine, The Indian Mining & engineering Journal, Vol. 43, No. 08-09 August September 2004.
40. Paul Biswajit : Utilization of Coal Ash in Bio-reclamation of Mining Degraded Lands/Abandoned Open Cast Mine, Journal of Mines Metals and Fuels, Special Issue, Kolkata, 2004.
41. Pal D, Singh R. S, and Singh S. K: Ashwagandha ki Kheti Evan Arthik Laabh, Kheton ki Baat, MASSP Publication, Deoghar, Vol. 2, No. 6 2004.
42. Raina A K., Chakraborty A. K and Bandopadhyay C: Deterioration of in-situ Rock Mass due to Spontaneous Combustion in Coal Mines, Majri Opencast Mine, WCL, Nagpur, J. Geol, Soc. India, 63 (5).
43. Singh A. K, Singh S. K and Goutam N. N: Prospects of Coalbed Methane exploitation in the State of Jharkahand, MGMI Trans. Vol. 101, No. 1 &2, April 2004 March 2005.
44. Singh A. K and goutam N. N: Prospects of Coalbed Methane Exploitation in the Jharia Coalfield, Scientific Publishers India Jodhpur, 2005.

45. Singh A. K: Methane Emission from Coal Mining and handling Activities in India, Uncertainty Reduction in Greenhouse Gas Inventory Estimates, Hyderabad, 2004.
46. Sahay N, Verma N. K, narayan A and Mondal Sinu: Determination of Air Permeability of Coal Pillars in Underground Coal Mines, Journal of Mines, Metals and Fuels, Kolkata, Vol. 52, No. 5&6, 2004.
47. Singh R.V.K and Singh V. K. : Prevention and Control of Spontaneous combustion of Coal by Flushing Nitrogen, The Indian Mining and Engineering Journal, Vol. 43, No. 6, 2004.
48. Singh R.V., Sural G, Pandey J, Mohalik, N. K, Barnwal R.P and Singh V. K. : Early Detection of Occurrences of Spontaneous Heating in Blasting Gallery Method A Case Study, Journals of Mines Metals & Fuels, Kolkata, 2004.
49. Singh R. V.K : Handling Mine Fires in Opencast Coal benches Over Developed Pillars Case Study, Journal of Coal Mining Technology & Management, Vol. 10, No. 2, 2005.
50. Singh, R.V.K and Singh V. K. : Status of Mine Fire of Jharia Coalfield and Suggestions for Prevention and Control : Journal of Coal Mining Technology & management, Vol. 9, No. 6-8, 2004.
51. Singh K.K.K, Singh K.B, Lokhande, R.D. and Prakash A: Multi-electrode Resistivity Imaging Technique for the Study of Coal Seam, Journal of Scientific & Industrial Research, 2004, Vol. 63, 2004.
52. Singh R, Singh A. K, Mandal P.K, Singh M. K, and Sinha A: Instrumentation and Monitoring of Stata Movement during Underground Mining of Coal, Minetech, 25(5), 2004.
53. Singh R, Mandal P.K, and Singh A. K: Partial Underground Extraction of Coal at Shallow cover, The Indian Mining and Engineering Journal, 43 (2-3), 2004.
54. Singh R.S, Tripathi n and Pal D : Paramparik Roop se Upyogi Safed Musli Par Ek Nazar, Kheton Ki Baat, MASSP Publication, Deoghar, Vol. 2, No. 6, 2004.
55. Saranathan E, Anbazhagan S and Loveson V J: remote Sensing Mapping for Assessing Land Unit Changes of Mining Environment: A Case Study from Magnesite Mines, Salem, Tamil Nadu, Indian Journal of Geomorphology, Vol. 8, No. 1&2.
56. Tiwary R. K, Jamal A, Dhar B.B and Siddharth S: Predicting Drainage Quality for Sustainable Exploitation of coal, Journal scientific & Industrial Research, 63:919-926.
57. Tiwary R. K. Ahmad M, Chakraborty M. K and Gupta Asha: Impact of Mining other Industries on the Major Rivers with Special Reference to River Dam, Indian Journal Env. Protection, 23 (1), 2003.
58. Tripathi P.S.M, Tiwari S. N, Mishra K.K and Tripathi N: Kuch Bhartiya Lignite Vighatam Vyavahar Evam Unki Vidyut Pratirodakata Par Vikiran Ka Prabhav : Vaigyanik Aur Audyogik anusandhan Parika, 2004.
59. Verma H. K and Thote N. R: electronic Detonators A Technological Update, Journal of Mines, Metals and Fuels, Kolkata, 2004
60. Verma H. K, Roy S. K and Singh R. R: Quality ascertaining of Permitted Explosives, Journal of Mines, Metal and Fuels, Vol. 50, No. 7 – 8, 2004.
61. Wahne N, Kumar R, Prasad M and Ghosh A. K: Water Pollution Externalities due to coal Mining and its Estimation, Minetech, Vol. 25, No. 6, 2004.
62. Wahne N, Kumar R and Ghosh A. K: Reliability Centered Maintenance (RCM), A strategic Tool of Maintenance for HEMM, Minetech, Vol. 26, No. 1, 2005.

Abroad

1. Bagde M.N and Petros V: Fatigue Properties of intact Sandstone Samples subjected to Dynamic Uniaxial Cyclical Loading, International Journal of Rock mechanics & Mining Sciences, 42, 2005.
2. Bagde M.N and Petros V: The effect of Machine Behaviour and Mechanical Properties of Intact Sandstone Under Static and Dynamic Uniaxial Cyclic Loading, Rock Mechanics & Rock engineering, 38 (1), 2005.
3. Chauhya S. K: Spatial and Temporal Variations of SPM, RPM, SO₂ and NO_x Concentrations in an Opencast Coal Mining Area, Journal of Environmental Monitoring, U.K, 6(2), 2004.

4. Chaulya S. K: Improving EHS Management in India's Small-Scale Mining Sector, Environmental Quality Management, 13(3), USA, 2004.
5. Chaulya S. K: Water Resource Accounting for a Mining Area in India, Environmental Monitoring and Assessment, 93(1-30), The Netherlands, 2004.
6. Chakraborty A. K, Raina A.K. et.al.: Development of Rational Models for Tunnel Blast Predication Based on Parametric Study, International Journal Geotechnical & Geological Engineering, 22.
7. Chakraborty A. K, Raina A.K, Ramulu M, Choudhury P, Haldar A, Sahu P.B and Bandopadhyay C: Parametric Study to Develop Guidelines for Blast Fragmentation Improvement in Joined and Massive Formations, International Journal Engineering, Geology, 73, 2004
8. Chandrashekar N, Cherian Anil, Paul D. K. Rajamanickam G. V and Loveson V.J: Geospatial Application in the Study of Beach Placer along the Coast of Gul of Manner, India, Geocarto International, Vol. 20, No. 2.
9. Choudhury P.B, Raina A. K et. al. : Crown Pillar Stability Assessment in Underground Copper Mine Using Acoustic Emission, International Journal of Rock Mechanics & Mining Sciences, Vol. 41, 2004.
10. Goel R. K.: Effect of Shape of Underground Openings on Boundary Stresses, Tunnelling and Underground Space Technology, USA Vol. 19, Issues 4 – 5, 2004.
11. Raina A. K, Haldar A, Chakraborty A. K, Choudhary P.B, Ramulu M and Bandopadhyay C: Human Response to Blast-induced Vibration and Air Overpressure an Indian Scenario, Bull. International Journal of Goel. Env., 63:209-2
12. Jaipal V.S, Ghosh A. K, Bhandari S, Kumar A and Prasad C.D : Selection of a Techno-Economically Optimum Roof Bolting System for Development Roadways of Indian Underground Coal Mines A Scientific approach, Coal International Journal, United Kingdom, 2005
13. Kashyap S. K, Prasad S, Tewari S and Sinha A: Innovative Design of Steel Rope Prop for Underground Mines, ENTMS, The Engineering and Mining Journal, Bhubaneswar. 2004
14. Kushwaha A and Banerjee G : Exploitation of Developed Coal Mine Pillars by Shortwall Mining A Case Example, International Journal of Rock Mechanics & Mining Sciences, Elsevier Science, Oxford, U. K. Vol. 42, 2005.
15. Loui John P and Karanam Rao U. M: Heat Transfer Simulation in Drag-pick Cutting of Rocks, Tunnelling and Underground Space Technology, Elsevier Science, Oxford, U.K, Vol. 20, 2005.
16. Kumar P, Jhanwar J. C, Kiran S, Jha B. K, Chakraborty A. K and bandopadhyay C: Monitoring the Stability of Hydro-cavern with Rock Mechanics Instrumentation A Case Study, International Journal of Rock Mechanics & Mining Sciences, Vol. 41, No. 3, 2004.
17. Mishra P. K : Kinetic Description of an Optical Raman Regime Free-Electron Laser in the Presence of Helical Wiggler and Guide Magnetic Fields, Laser Physics, Russia, 15 (3), 2005, Russia.
18. Prakash A. J, Pal roy P and Misra D. D: analysis of Blast Vibration Characteristics Across a Trench and a Pre-split Plane, International Journal of Fragmentation and Blasting (FRAGBLAST), A.A. Balkerma, The Neterlands, Vol. 8, No. 1, 2004.
19. Raina A. K, Badge M.N, Haldar A, Chakraborty A K and Bandopadhyay C : Impact of Blast Induced Transitory Vibration and Air-overpressure/Noise on Human Brain An experimental Study, International Journal of Environmental Health and Research, 14 (2)
20. Pal Roy P, Sawmiliana C, Singh P. K, Jana S. P and Verma Alok: Electronic Detonator Technology of the Future, Journal of Explosives Engineering, USA, January – February, 2005.
21. Roy T. R. : Evaluation of Spontaneous Fire Risk Rating of Underground Coal Mine Panels in Bord-and-pillar Workings A User-Friendly Predication Model, Journal of the Mine Ventilation Society of South Africa, Vol. 57, No. 3, July – September 2004.
22. Singh A K, Ahmad I, Sahay N, Verma N. K and Singh V K: Air Leakage Through Underground Ventilation Stoppings and In-situ Assessment of Air Leakage Characteristics of Remote Filled Cement Concrete Plug by Tracer Gas Technique, The Journal of South African Institute of Mining and Metallurgy, March 2004.

23. Singh P. K, Roy M.P, and Singh R. K: Responses of Roof and Pillars of Underground Coal Mines to Vibration Induced by Adjacent Open-Pit Blasting, International Journal of Environmental Geology Springer Publications, USA, Vol. 47, No. 2, 2005.
24. Singh P. K, Henning A and Niemann-Delius C: Vibrations due to Blasting in Opencast Mines, Rails and Vehicle Traffic, International journal of World of Mining Surface & Underground, GDMB Publications, Germany, Vol. 57, No. 1, 2005.
25. Singh R : Staggered Development of a Thick coal Seam for Full Height Working in Single Lift by Blasting Gallery Method, International Journal of Rock Mechanics and Mining Sciences, 41 (5), UK., 2004.
26. Singh R, Ram Sahendra Singh, Amit Kumar, Prasad Shilly and buragohain John: Underground Extraction of Contiguous Coal Seams/Section Consisting Thin Parting, A case Study, Journal of South African Institute of Mining and Metallurgy (SAIMM), 104 (1), 2004.
27. Singh R.V.K. and Singh V. K: Mechanised Spraying Device A Novel Technology for Spraying Fire Protective Coating Material in the Benches of Opencast Coal Mines for Preventing spontaneous Combustion, Fire Technology Journal, USA, Vol. 40, No. 4, 2004.
28. Singh P K: Air Overpressure, Air Blast Generation, Propagation and Predication, International Journal Quarry Management Magazine, UK, 2005.

APPENDIX (VII)

BOOK 7 TRAINING MANUAL PUBLISHED

1. A Book entitled “Rock Blasting Effects and Operations” Authored by Dr. P. Pal Roy, Scientist, launched in India and Abroad.
2. A Training Manual Entitled “Mathematical Modelling of Ground Water in Mining Area” authored by Dr. P. K. Gupta, Sri A. P. Singh and Dr. M. S. Alam, Scientists.