

(PATENT)

1.	Ghosh, S, K & Singh, B	Environmental Problems Associated with Mining and processing Activities in Jharia Coalfields	All India Seminar on Environmental Problems of Mining and Thir Management held at Bhopal	8 to10, December, 1988
2.	Roy, P, Pal, Gupta, R, N & Singh, B.	Development of Two Computer package Programmers for Analyzing Blast Induced vibration Data.	India Conference on Computer Application in Mineral Industry held in Calcutta	6 – 7 January, 1989
3.	Tewary, B, K	Land reclamation and Eco-development of Mined Out Areas.	Seminar on Environmental Control and Monitoring organized by ECL at Ratibati	9 to 11 January, 1989
4.	Tewary, B, K	Sustainable Eco-development of Mining Areas	Seminar on Environmental Problem in Mining Areas held at ISM Dhanbad	10 to 20 January, 1989
5.	Guharay, A, R	Occupational Hazards of Miners	Indian Science Congress held at Madurai.	January, 1989
6.	Singh, R B Bagchi, A; Adhikari, G R & Sng, M, M	Controlled Blasting in an Irrigation Tunnel case Study	All India Seminar on Underground Structures in Rock Organized at Lucknow by U P irrigational Department	3 to 4 February, 1989
7.	Prasad, V V R, Saini, G S & Dube, A K	Assessment of Rock Pressure and Tunnel Closure for Tehri Tunnels.	All India Seminar on Underground Structures in Rock Organized at Lucknow by U P Irrigational Department	3 to 4 February, 1989
8.	Sani, G S Swarup, A & Singh, B.	Geophysical Techniques for Underground Openings	All India Seminar on Underground Structures in Rock Organized at Lucknow by U P Irrigational Departmen	3 to 4 February, 1989
9.	Soni, A, K	Utilisation of Subsurface Space.	All India Seminar on Underground Structures in Rock Organized at Lucknow by U P Irrigational Departmen	3 to 4 February, 1989
10.	Saini, G, S & Dube, A, K	Modern Classification Approach for the Assessment of Design Parameters of Underground Power House	All India Seminar on Underground Structures in Rock Organized at Lucknow by U P Irrigational Departmen	3 to 4 February, 1989
11.	Tarafdar, R, N Ghara, B & Narayanan, G, L	Non- Destructive Evaluation of Wire Rope at CMRS	National Seminar on Non destructive Testing and Inspection (NDTI-89) held at NPL, New Delhi	9 to 10 February, 1989
12.	Tewary, B, K	Role of plantation in Abating Air Pollution	Seminar on Air Pollution Control held at Durgapur	February, 1989
13.	Verman, M	Strategy for Faster Tunneling in India	Symposium on Underground	February, 1989

	Jethwa, J, L & Goel, R, K		Excavation in Rock held in Lucknow	
14.	Ghosh, S, Mondal, A S & Singh, b	A Study on the Environmental Effects on the Health of Workers with Special Reference to Progression and Incidence rate of Coal Workers Pneumoconiosis	4 th National Convention of Mining Engineers organized by Institution of Engineers Dhanbad Branch held in ISM, Dhanbad	10- 12 March, 1989
15.	Sarkar, S, K	Equipment Utilisation and Cost of Production in Coal Industry vis-a Vis Routine Condition Monitoring	Colloquium on Equipment Utilisation and Cost of Production in Coal Industry vis- a- vis Routine Condition Monitoring organized in Calcutta	29 March, 1989
16.	Singh, T, n	Development of Mining Equipment for long wall Mining of Thick Seam in Single Pass.	Technical Exchange Programme on Mining Machinery, Varanasi	March, 1989
17.	Tewary, B, K	Ecological Problems due to Expanding coal Mining Industry	Seminar on Coal Industry in India its Different Socio-economic Proaches to Solution held at ISM Dhanbad	April, 1989
18.	Golay, M, S	Health Status of Industrial Workers.	Summer School on Safety Engineering & Management, BIT Sindri	June, 1989
19.	Verman, M, 7 Jethwa, J, L	Poor Tunnel Advance Rates in Indian Reasone and Remedies.	55 th R & D Session of CBIP, held in Srinagar.	July, 1989
20.	Gupta, k, K & Singh, T, N Singh, D, P & Singh, B	Prediction and Prevention of Slope Failure Over Old Underground Workings in Jharia Coalfields, India	MGMI, Meeting	August, 1989
21.	Golay, M S	The Impact of Xeno- biotic on the Health	PANDIEA held at R E College Durgapur	16 to 17 September, 1989
22.	Golay, M, S	The Environmental Impaction on Human Society.	Seminar on Environmental Pollution DAV School, Alkusha, Dhanbad	28 to 30 September, 1989
23.	Mondal, S	Environmental Impact on Industry Workers Community.	Seminar on Environmental Pollution DAV School, Alkusha, Dhanbad	28 to 30 September, 1989
24.	Goel, R K & Jethwa, J l	Need for Improver Methods of Engineering geological Investigation for Underground Excavations.	Workshop on Engineering Geology Investigation for the Projects Hyderabad	September, 1989
25.	Sen, p Mazumdar, B, K & Ghosh, A K	Design of open Pit Layout of a partially Developed Hilly Iron Ore Deposit in India.	Third national Seminar on Mining held at ISM, Dhanbad	November, 1989
26.	Singh, T N & Singh, B	Scope of Winning and Utilization of Jhama the Burnt Coal.	Symposium on Coal Utilisation Trends & Challenges held at CFRI, Dhanbad	November, 1989
27.	Baliga, B D &	Experiences of the Crusher house	National seminar on Surface	1 & 2

	Singh, B	Construction.	Mining held at ISM, Dhanbad	December, 1989
28.	Ulabhaje, A V Singh, D, P Singh, T N & Gupta, K K	Planning of Slope Stability in Opencast Mine A Model Study.	National seminar on Surface Mining held at ISM, Dhanbad	1 & 2 December, 1989
29.	Tiwary, S Samanta, S Saxena, N C & Singh, B	Longwall Caving below Surface Properties at Moonidih Project.	International Symposium on Land Subsidence held at CMRS, Dhanbad	11 to 15 December, 1989

Papers Publication, 1989 – 90

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<u>S/No.</u>	<u>Author</u>	<u>Title</u>	<u>Name of the Journal</u>	<u>Reference</u>
1.	Nair, p, K Chaira, B B & Sinha, J, K	Performance Characteristics of Wet Scrubber for Collection of Particulate Matter form boiler Exhaust of a Thermal power plant a Case Study.	Indian Journal of Environment Protection, Varanasi	Vol. 9 No. 1 1989, January, 1989
2.	Golay, M S Mondal, S & Singh, B	Pollution A Curse in Coal Mining Industry.	Journal of Mines Metals & Fuels Calcutta	January, 1989
3.	Gupta, K K, Kumar, S Singh, T, N & Singh, D, P	Shear Strength Characteristics of Sand Stone of an Opencast Mining Block of Jharia Coal Field India.	Journal of mines Metals and Fuels, Calcutta	January, 1989
4.	Kumar, V Prasad, G M Nigam, U S, Srivatava, S C, Bhatnagar, R Kusheaha, j C, & Prasad, J	Optical Fiber Communication for Mines.	Research and Industry, New Delhi	Vol. 34 March, 1989
5.	Prasad, R Singh, S D & Kumar, K	System Reliability Modeling and Evaluation.	Journal of Mines Metals and Fuels, Calcutta	Vol. 37 No. 3, March, 1989
6.	Singh, V, K & Singh, T, N	Pillar Loading and Strata Control Studies at Porascole Colliery.	Minetech, Ranchi	Vol. X no. 2, March, - April, 1989
7.	Adhikari, G, R Singh, R, b & Gupta, R N	Structural Response to Ground Vibration form blasting in Opencast Coal Mines.	Journal of Mines Metals & Fuels, Calcutta	April, 1989
8.	Ganguli, k K, ghosh, J, C Chakraborty, R P, & Tarafdr, M N.	Causes of Failure of mining Equipment Component Some Studies.	Transaction (Journal of MGMI) Calcutta	Vol. 86 No. 1 April, 1989
9.	Kumar, K Singh, S D, & Prasad, R	Maintenance set up and Reliability Evaluation for Mining System.	Minetech Ranchi	Vol. 10 No. 3 May – June 1989
10.	Srivastava, S C, Kumar, V, & Prasad, G M	Optical Fiber Sensors and Transmission of Data Using Optical Fibers for Environmental Monitoring	Research and Industry New Delhi	Vol. 34, June 1989

		in Underground coal Mines.		
11.	Prasad, R & Singh, S D	Safety and Reliability of Machines using Software for Mining System.	Minetech, Ranchi	Vol. 10 No. 5, October, 1989
12.	Singh, T n Singh, R P Duby b k & Singh, B	Floor Bearing Study for Support planning Evaluation of Two Slope Stability Programs.	Journal of mines Metals & Fuels, Calcutta	Vol. XXXVI No. 11 November, 1989
13.	Abbas, M, Baliga B D, & Singh, B	Evaluation of Two Slope Stability Programs.	The Indian mining and Engineering Journal, Bombay	December, 1989
14.	Chandra, D & Sinha, A	An Analytical Review of Fatal Accidents in Indian Coal Mines	Transaction of MGMI (India)	Vol. 85 No. 2, 1989
15.	Ghosh, S K	Air pollution Control Devices	A Book on Pollution Management in Industries Ed by Dr. R, K Trivedy	Environmental Publications, (Maharashtra)
16.	Ghosh, S K	Waste Water Treatment in Industries	A Book on Pollution Management in Industries Ed by Dr. R, K Trivedy	Environmental Publications, (Maharashtra)
17.	Debnath, L & Pal, Roy P.	Propagation of Edge Waves in a Thinly Layered Laminated Medium with Stress Couples under Initial Stresses.	Journal of Applied Mathematics and Simulation, USA	Vol. 1 No. 4, 1989
18.	Kumar, V, & Prasad, G M.	Electronic Propertice of Ionic Rock Salt Crystals.	Journal of Physics and Chemistry of Solids USA	Vol. 50 March, 1989
19.	Kumar, V & Prasad, G M	Fiber Optic Sensors for Mines.	Mining Technology, UK	Vol. 71 No. 824, June, 1989
20.	Kumar, V & Prasad, G M	Electronic Properties of A B Complex Crystals	Physica Status Solidi West Germany	Vol. (b) No. 155 September, 1989
21.	Sheorey, P R, Biswas, A K & Choubey V D	An Empirical Failure Criterion for Rocks and Jointed Rock Masses.	Engineering Geology Amsterdam (The Netherlands)	26, 1989
22.	Gupta, Asha, & Ehrlich, H L.	Selective and nonselective Bioleaching of Manganese form a Manganese Containing Silver Ore.	Journal of Biotechnology USA	Vol. 9, 1989
23.	Adhikari, g R Singh, M, M & Gupta, R N	Influence of Rock properties on Blast Induced ced Vibration.	Mining Science and Technology The Netherlands	Vol. 8, 1989
24.	Sah, N K, Singh V K & Baliga, B D	Study of the Variation in Strength Parameters Prior to Slope Analysis	Mining Science and Technology The Netherlands	Vol. 9, 1989
25.	Singh, U K & Digby P J	The Application of a Continuum Damage Model in the Finite Element Simulation of the Localization of Deformation in Brittle rock Structures	International Journal of Solids and Structures	Vol. 25, No. 9, 1989
26.	Singh, U K & Digby, P J	A Continuum Damage model for Simulation of the Progressive Failure of Brittle Rock.	International Journal of Solids and Structures	Vol. 25, No. 6, 1986
27.	Nabiullah, Md Gupta, R N &	Investigation of Delay Period for Some Commercial Delay Detonators	Explosives Engineering Birmingham	Vol. 3, No. 1, 1989

	Singh, B			
28.	Nabiullah, Md Gupta R N & Singh, B	A Method to Estimate Safe Distance of Detonation Between Explosive Charge.	Explosives Engineering Sheffield	Vol. 3, No. 2, 1989
29.	Nabiullah, Md Gupta, R N & Singh, B	Studies on the Thermal Behaviour of Detonating Fuse and Detonators.	Journal of Thermal Analysis Hungary	Vol. 35, 1989
30.	Sharma, A & Banerjee, D D	A Conceptual Approach for Prevention of Fire in Coal Benches.	Mining Science and Technology The Netherlands	Vol. 8, 1989