Annual Report 2002 – 2003

S. N.	Author(s)	Title	Name of the Journal	References
1.	Singh R, Mandal P K and Singh A K	Partial extraction of Coal at Shollow cover	The Indian Mining & engineering Journal, Bhubaneswar	Vol. 43, No. 2-3 Feb – March 2003
2.	Singh R V K, Mohalik N K, Sural G, Pandey J, Barnwal R P and Singh V K	Application of Preventive & Control Measures from Occurrences of Spontaneous Heating in Blasting Gallery Panel of GDK No 10 Incline coal Mine, Ramagundam	Minetech, Ranchi	Vol. 24, No. 2 – 3, March – June 2003
3.	Tripathi N, Tripathi P S M, Gupta A, Misra P K, Singh R S and Birendra K	Banaspatiyo Jeev-Jantu Avam Sukshmajeevi Sroto se Prapt Jaiv Sakriya Anuo Ke Bahuayami Ausdhiya Upyog – Ex Sameeksha	Bhartiya Vaigyannik Avam Aduyogik Anusandhan Patrika CSIR, New Delhi	Vol. 11 No. 1, June 2003
4.	Nabiullah, Pingua BMP, Jagdish and Khan M	Study on Explosive Quality and Its application	Indian Mining Journal	Vol. 42, No. 6, June 2003
5.	Reddy K R G, Prasad C D and Ghosh A K	Present Excavation Techniques of Dimension stone – Need for Future Development	The Indian Mining & Engineering Journal, Bhubaneswar	Vol. 42, No. 6, June 2003
6.	Banerjee G, Roy A K, Singh G S P and Yadava K P	Hard Roof Management – A Key for High productivity in Longwall Coal Mines	Journal of Mines, Metals & Fuels Kolkata	Vol. 51, No. 7 & 8, July – August 2003
7.	Pingua B M P, Nabiullah and Jagdish	Studies on Explosive Behaviour of Large Diameter Explosives in Mining Application	-do-	July – August 2003
8.	Sahay N, Ahmad I, Verma N K, Singh R P and singh V K	A Design of Dynamic Balancing of Pressure Technique to Control Fire in Surface Connected Sealed Off Area in Underground Coal Mines	The Journal of Institute of Engineers (India)	Vol. 84, august 2003
9.	Jaipal V S, Mohalik N K and Singh V K	Information Management – the Need of Modern Mining Industry		July – August 2003
10.	Pandey J K, Singh A K and Singh V K	Underground Environmental Monitoring of goaf for Safer Extraction of Coal Below Extracted Area	Minetech, Ranchi	Vol. 24, No. 5, Sept – Oct. 2003
11.	Singh R S, Pal D and Singh S K	Information Technology in Sustainable Development of Mining Industry	-do-	-do-
12.	Pandey J K, Singh A K and Singh V K	Underground Environmental Monitoring of Goaf for Safer Extraction of Coal Below Extracted Area	-do-	-do-
13.	Pal Roy P and Ghosh A K	Rock Excavation Without Explosive – The Global Scenario	Journal of Mines, Metals and Fuels, Kolkata	Nov – Dec 2003
14.	Roy M P, Roy S K and Singh P K	Impact of Mining on Environment – An appraisal	The Indian Mining and Engineering Journal, Bhubaneswar	Vol. 42, No. 11- 12, December 2003
15.	Singh A K and Mendhe V A	Exploration of Coal and CBM : Coal Science and technology News	Current Science	Vol. 85, No. 12, Dec. 2003
16.	Gupta K C, Singh R S and Pal D	Vanaushadiya Paudho ka Sanrakchhan	Udamita, Madhyapradesh	Vol. 12, No. 1 2003
17.	Singh R S	Manbia ahar – Aushadhi Avam Jaivic Vividhata Par Ek Dristikon	Kheto ki Baat, Deogerh	Vol. 1, No. 2, 2003
18	Singh R S and Pal D	Aushadhi Yukt Paudho Dwara	l - do-	Vol 1 No 1 2003

## <u>Abroad</u>

<b>S. N.</b>	Author(s)	Title	Name of the Journal	References
1.	Pal Roy P, Sawmliana C, Bhagat N K and Madhu M	Induced Caving by Blasting – Some Innovative Experiments in Blasting Gallery Panels of Underground Coal Mines in India	Transaction/AUSIMM, USA	Vol. 112 April 2003
2.	Singh P K, Roy S K and Sinha A	A New Blast Damage Index for the Safety of Underground Coal Mine Openings	Transaction of the Institution of Mining and Metallurgy, Section A, Mining Technology, U K	August 2003
3.	Singh M K and Basu A K	Relationship between Tensile Strength and Torsion of a Steel Wire Rope Under different Operational Status	Wire Journal International BOSTON, USA	Vol. 36, No. 6 June 2003
4.	Roy T R	Evaluation of Spontaneous Fire Risk Potential of Underground coal Mines Panels	CIM Bulletin	9691073) September 2003
5.	Sahay N, Ray S K, Ahmad I, Varma N K, Singh R P and Singh A K	Improvement in Ventilation in A fire Affected Mine	The Journal of the South African Institute of Mining and Metallurgy	Vol. 103, October, 2003
6.	Pal Roy P and Sawmliana C	Energy-based Vibration Predictor equations and Blast damage Index for BG Panels	The Journal of Explosives Engineering USA	Vol. 20, No. 5 2003
7.	Roy T R	Characterization of coal Mine Panels in Bord and Pillar Workings in Respect of Their proneness to Spontaneous heating – A Prediction Model	Journal of the south African Institute of Mining and Metallurgy	103 (9) Novermber 2003
8.	Jaipal V S, Dwivedi R D and Mohnot J K	Impact of Sandstone Quarrying on the Catchment Area of Balsamand Lake in Jodhput City	Mining environmental management Journal, UK	Vol. 11, No. 4 2003
9.	Raina A K, Chakraborty A K, Ramulu M, Choudhury P B, Halder A, Sahu P B and Bandyopadhyay C	Removal of Concrete Plugs using Controlled Blasting Technique	World Tunnelling	16 (8) 2003
10.	Singh R S and Pal D	Nutrient reclamation of Mined out areas of India	Land contamination & reclamation, UK	11 (3) 2003
11.	Chaulya S K, Ahmad M, Singh R S, Bandopadhyay L K, Bandyopadhyay C and Mandal G C	Validation of two Air Quality Models for Indian Mining Conditions	Environmental Monitoring and Assessment, The Netherlands	2003
12.	Bandyopadhayay L K	Adaptive Control Strategy for a Mining Sheares Loader by the Application of System Identification Techniques	Transaction of Society for Mining, Metallurgy and Exploration, USA	314 : 1-4 2003
13.	Chaulya S K	Assessment and Management of Water Resource for a Lignite Mine	Mine Water and the Environment	22 (1) 2003
14.	Chaulya S K	Assessment and Management of Air quality in a Mining Area	Environment Quality Management	12 (4) 2003
15.	Chaulya S K	Water Resource Development Study for a Mining Region	Water Resource Management	17 (4) 2003
16.	Chaulya S K	Air Quality Standard Exceedance and Management in Indian Mining Area	Environmental Conservation	30 (3) 2003

## **Book Published**

S. N.	Author(s)	Title of the Book	Publisher and Date		
1.	Dr. P. K. Singh	Evaluation of Damages to Underground coal Mines	International	Society	of
		Caused by Surface blasting Vis-à-vis Establishment	Explosives Engineers		ers
		of Blast Vibration threshold	(ISEE), Ohio, USA		