

S/No.	Author	Title	Name of the Journal	Reference
1.	Mukherjee, D Chakraborty, R P & Roy, P R	Resistance to Crack Propagation in Relation to tensile Strength Endurance Limit and Factor of Safety for Mine Winding rope Wires	Wire World Germany	Jan/Feb, 1981
2.	Dube, A K & Singh, B	Overcoming Squeezing Pressures in India Geri Bata Tunnel	Tunnels and Tunneling	April, 1981
3.	Sinha, J K Dutta S N Mondal S, Golay M S & Mitra, D K	Comprehensive Health Survey in Coal Mining Area	Indian Medicine Assoc. (Dhanbad)	April, 1981
4.	Saroj, K K Gupta A & Thakur, D N	Isolation of Methane Utilising bacteria form Different Sources and its Adaptation to Higher percentage of Methane	Indian journal of Microbiology (Baroda)	Vol. 21 No. 4, 1981
5.	Rajwat, N S Sahoo, B N & Sinha, J K	Trace Metals in Reparable Coal Dust An Atomic Absorption Spectrophotometer Study	Chemistry and Industry (London)	July, 1981
6.	Raju, N M & Ghose A K	Design guidelines for Roof Bolting System in Indian Mines	Transaction of Mining Geological Institute of India	October, 1981
7.	Ghosh S K & Sinha, J K	Coal mining and Water Pollution	Time of India (New Delhi)	October, 1981
8.	Sinha, J K Chaira, B B Bose J M Nair, P K Das B N & Rashidi, N A	Dust Concentration at Lon wall Shearer Coal Face	The New Sketch Dhanbad	October, 1981
9.	Golay, M S	ABC Gene Frequency in Coal Mining Community	Current Medical Practice	November, 1981
10.	Sinha, A K Ghosh, J C & Prasad, B	Fist Dissociation Constant of Oxalic Acid form 10 to 50 C	Indian Journal of Chemistry	1981

### Patents

S/No.	Title	Author
1.	A Close Circuit Hydraulic Prop for the support of Mine Roof with an Improved relief valve Mechanism	Dutta, A K Tarafder P R Roy & Bagchi, S
2.	An open Circuit Hydraulic prop for the support mine roofs with an improved setting and release Valve Mechanism	Dutta, A K Tarafder P R Roy & Bagchi, S
3.	Dust Arrester for Collection of dust generated during large diameter deep hole drilling for open mines	Sinha, J K & Nair, P K