



सीएसआईआर- केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान
CSIR - CENTRAL INSTITUTE OF MINING & FUEL RESEARCH

Sl.No.	Authors Name	Title	Journals Name	Impact Factor
1.	Bharti, Abhay Kumar and Singh, K.K.K. and Singh, P.K. and Prakash, Amar and Tiwary, R.K.	Groundwater prospecting by the inversion of cumulative data of Wenner-Schlumberger and dipole-dipole arrays: A case study at Turamdih, Jharkhand, India.	Journal of Earth System Science, 128 (4). 2019, p. 107. ISSN 0253-4126	SCI 0.890
2.	Chaturvedi, Aaditya and Bhattacharjee, Santanu and Mondal, Gautam C. and Singh, P.K. and Singh, Abhay Kumar	Exploring new correlation between hazard index and heavy metal pollution index in groundwater.	Ecological Indicators, 97. 2019, pp. 239-246.	SCI 3.986
3.	Chaulya, S.K. and Trivedi, R. and Kumar, A. and Tiwary, R.K. and Singh, R.S. and Pandey, P.K. and Kumar, R.	Air quality modelling for prediction of dust concentrations in iron ore mines of Saranda region, Jharkhand, India.	Atmospheric Pollution Research, 10 (3). 2019, pp. 675-688.	SCI 2.152
4.	Das, Pallabi and Singh, K.K.K.	Insight into emerging applications of forward osmosis systems.	Journal of Industrial and Engineering Chemistry, 72. 2019 pp. 1-17.	SCI 4.841
5.	Giri, Soma and Singh, Abhay Kumar	Assessment of metal pollution in groundwater using a novel multivariate metal pollution index in the mining areas of the Singhbhum copper belt.	Environmental Earth Sciences, 78 (6).2019, p. 192. ISSN 1866-6280	SCI 1.435
6.	Hazra, Bodhisatwa	Significance of lithotypes for hydrocarbon generation and storage.	Fuel, 235. 2019, pp. 396-405. ISSN 0016-2361	SCI 4.908



सीएसआईआर- केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

CSIR - CENTRAL INSTITUTE OF MINING & FUEL RESEARCH

7.	Kumar, Ashok and Singh, Rajendra and Ram, Sahendra	Performance of a coal Pillar at deeper cover: Field and simulation studies.	International Journal of Rock Mechanics and Mining Sciences, 113. 2019, pp. 322-332. ISSN 1365-1609	SCI 2.836
8.	Kumari, Priya and Singh, Ashok K. and Hazra, Bodhisatwa	Predictions of Gross Calorific Value of Indian Coals from their Moisture and Ash Content.	Journal of the Geological Society of India, 93 (4). 2019, pp. 437-442. ISSN 0016-7622	SCI 0.632
9.	Kushwaha , Angad and Tewari, Subhashish and Mandal , Prabhat Kumar and Bhattacharjee, Rana and Das, Arka Jyoti and Singh, K.K.K.	Stability Evaluation of Old and Unapproachable Underground Mine Workings below Surface Structures.	Journal of the Geological Society of India, 93 (3). 2019, pp. 351-359. ISSN 0016-7622	SCI 0.632
10.	Prasad, Bably and Kumar, Hemant	Treatment of Lignite Mine Water with Lignite Fly Ash and Its Zeolite.	Mine Water and the Environment, 38 (1). 2019, pp. 24-29. ISSN 1616-1068	SCI 1.521
11.	Prasad , Bably and Maiti, Deblina and Singh, K.K.K.	Impact of Fly Ash Placement in an Abandoned Opencast Mine on Surface and Ground Water Quality: A Case Study.	Mine Water and the Environment, 38 (1). 2019, pp. 72-80. ISSN 1616-1068	SCI 1.521
12.	Sarkar, P. and Sahu, S.G. and Bhattacharya, S. and Mukherjee, A. and Kumar, M. and Adak, A.k.	Revision of country specific NCVs and CEFs for all coal categories in Indian context and its impact on estimation of CO2 emission from coal combustion activities.	Fuel, 236. 2019, pp. 461-467. ISSN 0016-2361	SCI 4.908
13.	Singh, K.K.K. and Bharti, Abhay Kumar and Prakash, Amar and Singh, P.K.	Delineation of fracture zone for groundwater using combined inversion technique.	Environmental Earth Science, 78 (4). 2019 p. 110. ISSN 1866-6280	SCI 1.435



सीएसआईआर- केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

CSIR - CENTRAL INSTITUTE OF MINING & FUEL RESEARCH

14.	Singh, R.S.	Microbial removal of sulphur from petroleum coke (petcoke).	Fuel, 235. 2019, pp. 1501-1505. ISSN 0016-2361	SCI 4.908
15.	Vishwakarma, R.K. and Singh, Arvind Kumar and Ahirwal, Bhagirath and Kumar, Arvind and Kumar, Navin and Singh, Jitendra Kumar	Development of dust ignition protected electrically powered forklift truck for combustible dust environment.	International Journal of Oil Gas and Coal Technology, 20 (1). 2019, pp. 113-126. ISSN 1753-3309	SCI 0.563
16.	Tripathi, N. Hills, C.D. Singh, R.S. and Atkinson, C.J.	Biomass waste utilisation in low-carbon products: harnessing a major potential resource	Climate and Atmospheric Science.(2019). . NPJ (https://doi.org/10.1038/s41612-019-0093-5)	SCI 2:35
17.	Behera, S.K. and Prashant, Mr. and Ghosh, C.N. and Mandal, P.K. and Verma, Aniket and Mishra, Kanhaiya and Singh, P.K.	<i>Slump test: laboratory and numerical simulation-based approach for consistency of mill tailings paste.</i>	Current Science, 117 (2). 2019 pp. 235-241. ISSN 0011-3891	SCI 0.883
18.	Bharti, Abhay Kumar and Singh, K.K.K. and Singh, P.K.	<i>Detection of Old Mine Workings over a Part of Jharia Coal Field, India using Electrical Resistivity Tomography.</i>	Journal of the Geological Society of India, 94 (3). 2019, pp. 290-296. ISSN 0016-7622	SCI 0.632
19.	Chavan, Prakash D. and Mendhe, V.A.	<i>Petrographic and chemical reactivity assessment of Indian high ash coal with different biomass in fluidized bed co-gasification.</i>	Journal of the Energy Institute, 92 (4). 2019, pp. 982-1004. ISSN 1743-9671	SCI 4.217



सीएसआईआर- केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

CSIR - CENTRAL INSTITUTE OF MINING & FUEL RESEARCH

20.	Chattaraj , S. and Mohanty , D and Kumar, T and Halder , G and Mishra , K	<i>Comparative study on sorption characteristics of coal seams from Barakar and Raniganj formations of Damodar Valley Basin, India.</i>	International Journal of Coal Geology, 212. 2019, pp. 1-19.	SCI 4.130
21.	Das, Arka Jyoti and Mandal, Prabhat Kumar	<i>Generalised Analytical Models for the Strength of the Inclined as well as the Flat Coal Pillars using Rock Mass Failure Criterion.</i>	Rock Mechanics and Rock Engineering, 52 (10). 2019, pp. 3921-3946. ISSN 0723-2632	SCI 2.819
22.	Das, Arka Jyoti and Mandal, Prabhat Kumar and Tewari, Subhashosh (2019)	<i>Assessment of the Strength of Inclined Coal Pillars through Numerical Modelling based on the Ubiquitous Joint Model.</i>	Rock Mechanics and Rock Engineering, 52 (10). 2019, pp. 3691-3717. ISSN 0723-2632	SCI 2.819
23.	Kumar, Ashok and Singh, Arun Kumar and Ram, Sahendra and Kumar, Rakesh and Singh, Rajendra and Singh, Amit Kumar	<i>Roof sagging limit in an early warning system for safe coal pillar extraction.</i>	International Journal of Rock Mechanics and Mining Sciences, 123. 2019, ISSN 1365-1609	SCI 2.836
24.	Kumar, Susheel and Mendhe, Vinod Atmaram and Kamble, Alka Damodhar and Varma, Atul Kumar and Mishra, Divya Kumari and Bannerjee, Mollika and Buragohain, John and Prasad , Amal Kishore	<i>Geochemical attributes, pore structures and fractal characteristics of Barakar shale deposits of Mand-Raigarh Basin, India.</i>	Marine and Petroleum Geology, 103. 2019, pp. 377-396.	SCI 3.281



सीएसआईआर- केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

CSIR - CENTRAL INSTITUTE OF MINING & FUEL RESEARCH

25.	Masto, R.E. and Singh, M.K. and Rout, T.K. and Kumar, A. and Kumar, S. and George, J. and Selvi, V.A. and Dutta, P. and Tripathi, R.C. and Srivastava, N.K.	<i>Health risks from PAHs and potentially toxic elements in street dust of a coal mining area in India.</i>	Environmental Geochemistry and Health, 41 (5). 2019, pp. 1923-1937. ISSN 0269-4042	SCI 2.994
26.	Santosh Kumar Behera, D. P. Mishra, C. N. Ghosh, Prashant, P. K. Mandal, K. M. P. Singh , J. Buragohain, P. K. Singh,	Characterization of lead–zinc mill tailings, fly ash and their mixtures for paste backfilling in underground metalliferous mines,	Environmental Earth Sciences, July 2019, 78:394	SCI 1.435
27.	Bhagirath Ahirwal , Rashmi Prasad , Sudhir Kumar Kashyap and Gautam Banerjee	Stress analysis due to internal explosion pressure of designed flameproof enclosure for hazardous area	AIChE - International Journal of Process Safety Progress.	SCI 0.885
28.	P. K. Mishra, Subhash Kumar, Pratik, Manish Kumar and Jitendra Kumar	IoT Based Multimode Sensing Platform for Underground Coal Mines	Wireless Personal Communications September 2019, Volume 108, Issue 2 , pp 1227–1242	SCI 1.200
29	Niroj Kumar Mohalik, Asfar Mobin Khan, Santosh Kumar Ray, Debashish Mishra, Nikhil Kumar Varma, Ran Vijay Kumar Singh & Pradeep Kumar Singh	Application of CFD Techniques to Assess Spontaneous Heating/Fire during Extraction of Thick Coal Seam Using Blasting Gallery (BG) Method	Combustion Science and Technology 2019	SCI 1.132



सीएसआईआर- केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

CSIR - CENTRAL INSTITUTE OF MINING & FUEL RESEARCH

30.	Dwivedi , RD and Goel , RK and Singh , M and Viladkar , MN and Singh , PK	Prediction of ground behaviour for rock tunnelling.	Rock Mechanics and Rock Engineering, 52 (4). 2019, pp. 1165-1177.	SCI 2.819
31.	Mishra, Rakesh Kumar and Pandey, Jai Krishna and Pandey, Jitendra	Detection and Analysis of Coal Fire in Jharia Coalfield (JCF) Using Landsat Remote Sensing Data.	Journal of the Indian Society of Remote Sensing. 2019, ISSN 0255-660X	SCI 0.810
32.	Sharma, Sadanand and Arora, Charu and Saha, Deepti and Bharti, Dipti and Tamrakar, Vinita and Sonia, Sanju (2019)	Adsorption of hazardous dye crystal violet from industrial waste using low-cost adsorbent <i>Chenopodium album</i> .	Desalination and Water Treatment, 167. 2019, pp. 324-332.	SCI 1.383
33.	Anindya Ghosh, Kushanava Bhaduri, Sneha Shah, Aline Auroux, J.K. Pandey, Biswajit Chowdhury,	Dehydration of isopropanol to propylene over fullerene [C ₆₀] containing niobium phosphate catalyst: Elsevier, Study on catalyst recyclability.	Molecular Catalysis Volume 475 , (2019), 110470	SCI
34.	R. Sabapathy, P. S. Paul, P. K. Mandal.	Evaluation of bump-proneness of underground coal mines using burst energy coefficient.	<i>Arabian Journal of Geosciences</i> . Springer (DOI: https://doi.org/10.1007/s12517-019-4746-9 , Published online on September 11, 2019).	SCI 0.860
35.	Das P., Singh K.K.K., Dutta S.	Energy saving integrated membrane crystallization: A sustainable technology solution.	Separation and Purification Technology. 228:115722	SCI 3.927



सीएसआईआर- केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

CSIR - CENTRAL INSTITUTE OF MINING & FUEL RESEARCH

36.	Giri S., & Singh A. K. and Mahato M.K.	Monte Carlo simulation-based probabilistic health risk assessment of metals in groundwater via ingestion pathway in the mining areas of Singhbhum copper belt, India.	International Journal of Environmental Health Research, 1-14.	SCI 1.433
37.	Giri S., & Singh A. K.	Heavy metals in eggs and chicken and the associated human health risk assessment in the mining areas of Singhbhum copper belt, India.	Archives of Environmental & Occupational Health, 74 (4), 161-170.	SCI 1.386
38.	Pandey B., Mukherjee A., Agrawal M., Singh S.	Assessment of Seasonal and Site-Specific Variations in Soil Physical, Chemical and Biological Properties around Opencast Coal Mines.	Pedosphere 29(4), 642-655.	SCI 2.430
39.	Deshmukh, S. Raina, A.K., Murthy, V.M.S.R., Trivedi, R. Vajre, R.	Roadheader – A comprehensive review.	Tunnelling and Underground Space Technology, 95, online doi https://doi.org/10.1016/j.tust.2019.103148	SCI 2.418
40.	Raina, A.K.	Influence of Joint Conditions and Blast Design on Pre-split Blasting Using Response Surface Analysis.	Rock Mechanics and Rock Engineering, 52(10): 4057-4070.	SCI 2.819