

SCI Journal Publication 2017.

Sl. No.	Authors	Title	Journal Name	IF
1.	Chaudhuri, Sanjay and Sen, Raja and Charan, T.Gouri	Characteristics of an Improved collector derived from a waste of coal-processing plant for the beneficiation of Indian coking coal fines by froth flotation.	International Journal of Coal Preparation and Utilization. 2017, ISSN 1939-2699	2.034
2.	Chavan, Prakash D. and Dutta, Sudipta	Synthesis of solvothermal derived TiO ₂ nanocrystals supported on ground nano egg shell waste and its utilization for the photocatalytic dye degradation.	Optical Materials, 73. 2017, pp. 377-383.	2.779
3.	Das, Arka Jyoti and Mandal, Prabhat Kumar and Bhattacharjee, R. and Tiwari, S. and Kushwaha, A. and Roy, L.B.	Evaluation of Stability of underground workings for exploitation of an inclined coal seam by the ubiquitous joint model.	International Journal of Rock Mechanics and Mining Sciences, 93. 2017, pp. 101-114. ISSN 1365-1609	4.151
4.	Das, Arka Jyoti and Mandal, Prabhat Kumar and Ghosh, C.N. and Sinha, A.	Extraction of locked-up coal by strengthening of rib pillars with FRP - A Comparative study through numerical modelling.	International Journal of Mining Science and Technology, 27 (2). 2017, pp. 261-267. ISSN 2095-2686	3.903
5.	Das, Arka Jyoti and Prakash, A. and Kumar, Ajay	Multivariate Statistical approach for assessment of subsidence in Jharia coalfields, India.	Arabian Journal of Geosciences, 10 (8). 2017, ISSN 1866-7511	1.327
6.	Das, Pallabi and Prasad, Bably and Singh, K.K.K.	Applicability of Zeolite Based Systems for Ammonia Removal and Recovery From Wastewater.	Water Environment Research, 89 (9). 2017, pp. 840-845. ISSN 1061-4303	1.151

7.	George, Joshy and Masto, R.E. and Mukhopadhyay, Sangeeta	Changes in Polycyclic Aromatic Hydrocarbons (PAHs) and Soil Biological Parameters in a Revegetated Coal Mine Spoil.	Land Degradation & Development, 28 (3). 2017, pp. 1047-1055.	3.775
8.	Giri, Soma and Singh, Abhay Kumar	Ecological and human health risk assessment of agricultural soils based on heavy metals in mining areas of Singhbhum copper belt, India.	Human and Ecological Risk Assessment : An International Journal , 23 (5). 2017, pp. 1008-1027. ISSN 1080-7039	2.300
9.	Giri, Soma and Singh, Abhay Kumar	Human health risk assessment due to dietary intake of heavy metals through rice in the mining areas of Singhbhum Copper Belt, India.	Environmental Science and Pollution Research , 24 (17). 2017, pp. 14945-14956.	3.056
10.	Giri, Soma and Singh, Abhay Kumar	Metal Contamination of agricultural soils in the copper mining areas of Singhbhum Shear zone in India.	Journal of Earth System Science, 126 (4). 2017 ISSN 0253-4126	1.423
11.	Kumar, Ashok and Kumar, Rakesh and Singh, Arun Kumar and Ram, Sahendra and Singh, P.K. and Singh, Rajendra	Numerical modelling-based pillar strength estimation for an increased height of extraction.	Arabian Journal of Geosciences, 10 (18). 2017, p. 411. ISSN 1866-7511	1.327
12.	Kumar, Ritesh and Sharma, Sadanand	Composition and morphology study of acid-digested pond ash.	Current Science, 112 (10). 2017, pp. 2089-2095. ISSN 0011-3891	0.725
13.	Kumar, Subhash and Mishra, P.K.	Synergistic Use of Artificial Neural Network for the Detection of Underground Coal Fires.	Combustion Science and Technology, 189 (9). 2017, pp. 1527-1539. ISSN 0010-2202	1.730
14.	Maiti, Deblina and Prasad, Bably	Studies on Colonisation of Fly Ash Disposal Sites Using Invasive Species and Aromatic Grasses.	Journal of Environmental Engineering and Landscape Management, 25 (3). 2017, pp. 251-263. ISSN 1648-6897	2.733

15.	Masto, R.E.	Biodegradation of anthracene by a newly isolated bacterial strain, <i>Bacillus thuringiensis</i> AT .ISM .1, isolated from a fly ash deposition site.	Letters in Applied Microbiology, 65 (4). 2017, pp. 327-334.	2.173
16.	Masto, R.E.	Suitability of Complex Extractants for Assessment of Available Soil Zinc for Nutrition of Rice (<i>Oryza sativa</i> L.) in Subtropical India.	Soil Science, 182 (1). 2017, pp. 28-35. ISSN 0038-075X	1.122
17.	Masto, R.E. and George, Joshy	Bioavailability and health risk of some potentially toxic elements (Cd, Cu, Pb and Zn) in street dust of Asansol, India.	Ecotoxicology and Environmental Safety, 138. 2017, pp. 231-241. ISSN 0147-6513	4.872
18.	Masto, R.E. and George, Joshy and Rout, T.K. and Ram, L.C.	Multi Element exposure risk from soil and dust in a coal industrial area.	Journal of Geochemical Exploration, 176. 2017, pp. 100-107. ISSN 0375-6742	3.352
19.	Mendhe, V.A.	Depositional Palaeoenvironment and economic potential of Khadsaliya lignite deposits (Saurashtra Basin), western India: Based on petrographic, palynofacies and geochemical characteristics.	International Journal of Coal Geology, 171. 2017, pp. 223-242. ISSN 0166-5162	5.692
20.	Mendhe, V.A.	Gas Reservoir Characteristics of the Lower Gondwana Shales in Raniganj Basin of Eastern India.	Journal of Petroleum Science and Engineering, 149. 2017, pp. 649-664.	3.706
21.	Mendhe, V.A.	Investigation on the lignite deposits of Surkha mine (Saurashtra Basin, Gujarat), western India: Their depositional history and hydrocarbon generation potential.	International Journal of Coal Geology, 183. 2017, pp. 78-93. ISSN 0166-5162	5.692
22.	Mendhe, V.A. and Singh, Harendra	Organo-petrographic and pore facets of Permian shale beds of Jharia Basin with implications to shale gas reservoir.	Journal of Earth Science, 28 (5). 2017, pp. 897-916.	2.209

23.	Mendhe, V.A.	Fractal and pore dispositions of coal seams with significance to coalbed methane plays of East Bokaro, Jharkhand, India.	Journal of Natural Gas Science and Engineering, 38. 2017, pp. 412-433. ISSN 1875-5100	3.841
24.	Mishra, P.K.	Synergistic Use of Artificial Neural Network for the Detection of Underground Coal Fires.	Combustion Science and Technology, 189 (9). 2017, pp. 1527-1539. ISSN 0010-2202	1.730
25.	Mohalik, N.K.	Development of a petrographic technique to assess the spontaneous combustion susceptibility of Indian coals.	International Journal of Coal Preparation and Utilization. 2017, ISSN 1939-2699	2.034
26.	Mohalik, N.K.	Review of experimental methods to determine spontaneous combustion susceptibility of coal - Indian context.	International Journal of Mining, Reclamation and Environment, 31 (5). 2017, pp. 301-332. ISSN 1748-0930	1.917
27.	Mohanty, Debadutta	Evaluation of Eocene Source rock for potential shale oil and gas generation in north Cambay Basin, India.	Marine and Petroleum Geology, 88. 2017, pp. 141-154.	3.790
28.	Mohanty, Debadutta	The petroleum potential of the Arangi and Kajrahat Limestone formations from the Semri Group, Chopan, Uttar Pradesh, India.	GeoResJ, 13. 2017, pp. 59-65.	1.50
29.	Neogi, Babita and Singh, Kumar and Chaturvedi, Aaditya	Abhay Hydrogeochemistry of coal mine water of north Karanpura coalfields, india: implication for solute acquisition processes dissolved fluxes and water quality assessment.	Environmental Earth Sciences, 76. 2017, ISSN 1866-6280	2.180
30.	Pandey, Jitendra and Singh, V.K.	Temporal transition analysis of coal mine fire of Jharia coalfield India using Landsat satellite imageries.	Environmental Earth Science, 76 (12). 2017, p. 439. ISSN 1866-6280	2.180

31.	Pandey, J.K. and Vishwakarma, M.K. and Mishra, K.K.	Characterisation of respirable dust exposure of different category of workers in jharia Coalfield.	Arabian Journal of Geosciences, 10. 2017, p. 183. ISSN 1866-7511	1.327
32.	Prakash, A.	Hierarchy of parameters influencing cutting performance of surface miner through artificial intelligence and statistical methods.	Current Sciences, 112 (6). 2017, pp. 1242-1249.	0.725
33.	Ram, Sahendra and Singh, Arun Kumar and Kumar, Ashok and Singh, Rajendra	Field and numerical modelling studies for an efficient placement of roof bolts as breaker line support.	International Journal of Rock Mechanics and Mining Sciences, 93. 2017, pp. 152-162. ISSN 1365-1609	4.151
34.	Rana, A.	Recycling of dimension limestone industry waste in concrete.	International Journal of Mining, Reclamation and Environment, 37 (4). 2017, pp. 231-250. ISSN 1748-0930	1.917
35.	Sahu, Gajanan and Saha, Sujan and Data, Sudipta and Chavan, Prakash D.	Methanolysis of Jatropha curcas oil using K ₂ CO ₃ /CaO as a solid base catalyst. Turkish.	Turkish Journal of Chemistry, 41. 2017, pp. 845-861.	0.981
36.	Saini, M.K.	Effect of Coal Cleaning on Ash Composition and its Fusion Characteristics for a High-ash Non-Coking Coal of India.	International Journal of Coal Preparation and Utilization, 37 (1). 2017, pp. 1-11. ISSN 1939-2699	2.034
37.	Senapati, R.N. and Dutta, P.	Catalytic activity of vanadium-substituted molybdophosphoric acid supported on titania for the vapor-phase synthesis of isophthalonitrile.	Inorganic and Nano-Metal Chemistry, 47 (10). 2017, pp. 1429-1435. ISSN 2470-1556	0.839

38.	Singh, Abhay Kumar	Assessment of Mine Water Quality Using Heavy Metal Pollution Index in a Coal Mining Area of Damodar River Basin, India.	Bulletin of Environmental Contamination and Toxicology, 99 (1). 2017, pp. 54-61. ISSN 0007-4861	1.657
39.	Singh, Abhay Kumar	GIS based evaluation of fluoride contamination and assessment of fluoride dose in groundwater of a district in Uttar Pradesh, India.	Human and Ecological Risk Assessment : An International Journal , 23 (1). 2017, pp. 56-66. ISSN 1080-7039	2.300
40.	Singh, Ajay Kumar	Physicochemical study of coal for CBM extraction extraction in Raniganj coal field, India.	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 39 (11). 2017, pp. 1182-1189. ISSN 1556-7036	1.184
41.	Singh, Ajay Kumar	Physicochemical study of coal for CBM extraction extraction in Raniganj coal field, India.	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 39 (11). 2017, pp. 1182-1189. ISSN 1556-7036	1.184
42.	Singh, Ajay Kumar	Prospective evaluation of coal bed methane in Raniganj coal field India.	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 39 (9). pp. 946-954. ISSN 1556-7036	1.184
43.	Singh, Ajay Kumar	Source rock evaluation of the Gondwana coals in Raniganj coalfield, India.	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 39 (13). 2017, pp. 1395-1402. ISSN 1556-7036	1.184
44.	Singh, Ajay Kumar and Mohanty, Debadutta	Characterization of lignite for underground coal gasification in India.	Energy Sources, Part A, 39 (16). 2017, pp. 1762-1770. ISSN 1556-7036	1.184

45.	Singh, Jitendra Kumar	Electronic, elastic and optical properties of divalent (R+2X) and trivalent (R+3X) rare earth monochalcogenides.	Indian Journal of Physics, 91 (8). 2017, ISSN 0973-1458	1.407
46.	Singh, R.S.	Evaluation of modified chitosan for remediation of zinc contaminated soils.	Journal of Geochemical Exploration, 182. 2017, pp. 180-184. ISSN 0375-6742	3.352
47.	Singh, Satyendra Kumar and Agrawal, Harshit and Singh, A.P.	Rib stability: A way forward for safe coal extraction in India.	International Journal of Mining Science and Technology, 27 (6). 2017, pp. 1087-1091. ISSN 2095-2686	3.903
48.	Singh, Siddharth	Assessment of Seasonal and Site Specific Variations in Soil Physical, Chemical and Biological Properties around Opencast Coal Mines.	Pedosphere. 2017	3.736
49.	Singh, Siddharth and Singh, P.K.	Source region and sector contributions of atmospheric soot particle in a coalfield region of Dhanbad, eastern part of India.	Atmospheric Research, 197. 2017, pp. 415-424. ISSN 0169-8095	4.676
50.	Tiwary, R.K.	Physico-Chemical Analysis and Correlation Study of Water Resources of the Sukinda Chromite Mining Area, Odisha, India.	Mine Water and the Environment, 36 (3). 2017, pp. 356-362. ISSN 1616-1068	3.184
51.	Tripathi, Nimisha and Singh, R.S.	Evaluation of modified chitosan for remediation of zinc contaminated soils.	Journal of Geochemical Exploration, 182 (Part B). 2017, pp. 180-184. ISSN 0375-6742	3.352