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Publication List of 2017				
Sl. No.	Authors Name	Title	Journals Name	Impact Factor
1.	M. P. Roy, P. K. Singh, Md.Sarim, L. S. Shekhawat	Blast design and vibration control at underground metal mine for the safety of surface structures	International Journal of Rock Mechanics and Mining Sciences, Vol. 83, pp. 107-115. (2016): http://dx.doi.org/10.1016/j.ijrmms.2016.01.003	(IF: 2.01)
2.	Piyush Pal Roy	An equivalent spherical charge conversion (ESCC) approach for prediction of ground vibration due to blasting	Mining Technology (UK), (2016) http://dx.doi.org/10.1080/14749009.2016.1262576	(I.F:0.27)
3.	P. Pal Roy, C. Sawmliana, R. K. Singh	Safety Concerns of Ancient Temple due to Blasting in Adjacent Mines	Geotech Geol Eng, 34: 2016, 901-909, DOI 10.1007/s10706-016-0013-y	(IF: 1.75)
4.	P. K. Singh, M. P. Roy, R. K. Paswan, Md. Sarim, Suraj Kumar and Rakesh Ranjan Jha	Rock Fragmentation control in Opencast Blasting	Journal of Rock Mechanics and Geotechnical Engineering. April 2016, Vol. 8 (2), 2016: 225-237. ISSN 1674-7755.	(IF: 0.992)
5.	Kumar, R. and Ghosh A.K.,	Mines Systems Safety Improvement Using an Integrated Event Tree and Fault Tree Analysis,	J. Inst. Eng. India Ser. D DOI 10.1007/s40033-016-0121-0, 2016.	Impact factor: 0.11 (SCIMago),



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6.	Subhash Kumar, P. K. Mishra And Jitendra Kumar	Synergistic Use of Artificial Neural Network for The Detection Of Underground Coal Fires	Combustion Science And Technology, Accepted	(IF: 1.193)
7.	Singh S.K., Agrawal H. and Singh A.P.	Rib stability: A way forward for safe coal extraction in India,	International Journal of Mining Science and Technology, China, (Scopus) (Accepted for publication) (SNIP: 1.46). [Source normalized impact per paper]., 2016	
8.	Singh S.K., Singh R. Singh A.P. and Agrawal H	Closing of a running mine and suggesting a new approach of winning of otherwise-left unextracted coal reserves,	Journal of Mines Metals and Fuels, Vol. 64, No. 8, August 2016, pp-335-340, SJR: 0.16 (Scopus).	
9.	Das A. J., Mandal P. K., Ghosh C. N. and Sinha A.	Extraction of Locked-up Coal by Strengthening of Rib Pillars with FRP – A comparative Study through Numerical Modeling	accepted to International Journal of Mining Science and Technology, China, 18p. 2017 (Scopus). http://dx.doi.org/10.1016/j.ijmst.2017.01.024 .	(Source Normalized impact per Paper 1.46)
10.	Das A. J., Mandal P. K., Bhattacharjee R., Tewari S., 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, Vol. 93, pp. 101-114. 2017, (SCD). http://dx.doi.org/10.1016/j.ijrmms.2017.01.012	Impact factor 2.01



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11.	S. Ram, D. Kumar, A. Kr. Singh, A. Kumar and R. Singh	Field and laboratory studies for an efficient placement of roof bolts as breaker line support	International Journal of Rock Mechanics and Mining Sciences, 93(2017):152-162.	IF 2.01
12.	R. Singh, A Kumar, A. K. Singh, J. Coggan and S. Ram	Rib/snook design in mechanised depillaring of rectangular/square pillars.	International Journal of Rock Mechanics and Mining Sciences, 84(2016):119–129.	IF 2.01
13.	R Kumar, AK Mishra, AK Singh, AK Singh, S Ram and R Singh,	Depillaring of total thickness of a thick coal seam in single lift using cable bolts: a case study.	International Journal of Mining Science and Technology, 26(2): 223–233. 2016	
14.	AK Singh, S Ram, R Singh and Ashok Kumar, 2016.	Rib/snook competency in mechanised depillaring of the conventionally developed coal seams.	Journal of Mines Metals & Fuels, Sept. 2016: 414-423., 2016	
15.	. Vinod Atmaram Mendhe, Subhashree Mishra, Atul Kumar Varma, Alka D.Kamble, Mollika Bannerjee, and Tanmay M. Sutay	Gas Reservoir Characteristics of the Lower Gondwana Shales in Raniganj Basin of Eastern India	Journal of Petroleum Science and Engineering (Elsevier), Vol.149. pp. 649-664., 2016	(Impact Factor 1.655)
16.	Vinod AtmaramMendhe, Mollika Bannerjee, Atul Kumar Varma, Alka D. Kamble, Subhashree Mishra, Bhagwan D. Singh	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 (Elsevier), Vol. 38, 2016 pp. 412–433.	(Impact Factor 2.045)



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17.	Vikram Partap Singh, Bhagwan D. Singh, Alpana Singh, Mahendra P. Singh, Runcie P. Mathews, Suryendu Dutta, Vinod Atmaram Mendhe, Mahesh Shivanna, Subhashree Mishra	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 (Elsevier), Vol. 171, 2016, pp. 223–242.	(Impact Factor 3.294)
18.	Vinod Atmaram Mendhe, Alka D. Kamble, Mollika Bannerjee, Subhashree Mishra, Sabita Mukherjee and Parashar Mishra	Evaluation of Shale Gas Reservoir in Barakar and Barren Measure Formations of North and South Karanpura Coalfields, Jharkhand	Journal of Geological Society of India, Journal - Springer, Vol. 88, Issue 3, 2016, pp. 305-316.	(Impact Factor 0.596)
19.	Subhashree Mishra, Vinod Atmaram Mendhe, Alka D. Kamble, Mollika Bannerjee and Atul Kumar Varma	Prospects of Shale Gas Exploitation in Lower Gondwana of Raniganj Coalfield, West Bengal, India	Journal “The –Palaeobotanist”, 65 (2016): 31-46, 0031-0174/2016.	
20.	Vinod Atmaram Mendhe, Subhashree Mishra, Alka D. Kamble, Atul Kumar Varma, Mollika Bannerjee, Abhay M. Varade, Sujeet Kuamr	Geological Controls on Organic Richness, Pore Spectrum, Sorption and Flow Mechanism of Permian Gas Shale Reservoir of Raniganj Basin, West Bengal	Journal of Geosciences Research, Special vol. 1, 2017, pp. 161-172.	



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21.	Vinod Atmaram Mendhe, Mollika Bannerjee, Alka D. Kamble, Subhashree Mishra, Atul Kumar Varma, H. Singh, Sadanand Sharma, Anil Pophare, Abhay M. Varade	Influence of Thermal Maturity and Maceral Content of Coal Seams on In-situ Gas and its Composition at East Bokaro CBM Block, Jharkhand	Journal of Geosciences Research, Special vol. 1, 2017, pp. 173-182.	
22.	Singh, Ajay K., and Jaywardhan Kumar	Fugitive Methane emissions from Indian Coal Mining and handling activities: estimates, mitigation and opportunities for its utilization to generate clean energy	Energy Procedia 90 (2016): 336-348. http://dx.doi.org/10.1016/j.egypro.2016.11.201	IF: 1.07
23.	Sinha H. N., Kumari P., Rai P., Mohanty D., Sarangi S.	The petroleum potential of the Arangi and Kajrahat Limestone formations from the Semri Group, Chopan, Uttar Pradesh, India.	GeoResJ. 2017 Feb 16.	IF: 1.91
24.	Chattaraj S., Mohanty D., Kumar T., Halder G.	Thermodynamics, kinetics and modeling of sorption behavior of coalbed methane – A review	Journal of Unconventional Oil and Gas Resources 16: 14–33 (published on line: 19 September 2016 http://dx.doi.org/10.1016/j.juogr.2016.09.001).	IF: 4.00
25.	Naik A. S., Singh M. P., Volkman N., Singh P. K., Mohanty D., Kumar D.	Petrographic characteristics and paleomires of Mand-Raigarh coals, Mahanadi Gondwana Basin, Chhattisgarh, India	Int J Coal SciTechnol, 3(2):165–183 (published online: 8 July 2016, DOI 10.1007/s40789-016-0140-3).	



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26.	A.K. Singh*, R.K. Vishwakarma*, B. Ahirwal*, J.K. Singh**, N. Kumar** and A. Kumar**,	Assessment and Selection Criteria of Electrical Equipment for Hazardous Location – Special reference to Flameproof Products	Indonesian Jr. of Telkomnika. (Under review)	
27.	2. A.K. Singh*, R.K. Vishwakarma**, N. Kumar*** and A. Kumar***,	Assessment of Temperature Class of Self Regulating Heat Tracing Cable as per Product Classification approach'	Ind. Jr. of Engg. & Mat. Sciences (Under review)	
28.	A.K. Singh*, R.K. Vishwakarma**, B. Ahirwal**, J.K. Singh***, N. Kumar*** R.K. Mishra*** and A. Kumar**,	Development of a special type of flame arrester for saving and safety of cooking gas,	Jr. of Engg. Prevention in Process Industries (Under review)	
29.	A.K. Singh, Prasad Bhukya, Navin Kumar, et al.,	Determination of Maximum Sheath Temperature of Self Regulating Heat Tracing Cable as per Product Classification approach – A case study	Electrical India (Under review)	
30.	Vishwakarma, R.K., Singh, A.K., Ahirwal, B. et al.,	Development of Dust Ignition Protected Electrically Powered Forklift Truck for Combustible Dust Environment	Int. Journal of Oil, Gas & Coal Technology (under review)	
31.	Vishwakarma, R.K., Singh, A.K., Ahirwal, B	Development of Diesel Engine Operated Forklift Truck for Explosive Gas Atmospheres	Journal of Institution of Engineers (India) – Series C (under review)	



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32.	Vishwakarma, R.K., Ahirwal, B., Singh, J.K., Kumar Arvind, Singh, A.K., G. Banerjee	Safety Aspects, Selection & Use of Equipment for Material Handling in Mining & Process Industries – From Conveying to Cranes	Proc. Of Int. Conference on NexGen Technologies for Mining and Fuel Industries (NxGnMiFu-2017), 15-17 Feb. 2017, New Delhi, 485-490 (Vol.-1)	
33.	Amar Prakash	Hierarchy of parameters influencing cutting performance of surface miner through artificial and statistical methods: Some investigations	Current Science, (Accepted)	IF(0.967)
34.	Bably Prasad, Hemant Kumar	Treatment of Lignite mine water by Lignite fly ash and its zeolite.	Mine Water and Environment, Springer-Verlag Accepted on , 1.07.2016,	I.F. – 0.864
35.	Bably Prasad, Hemant Kumar	Treatment of Acid Mine Drainage Using a Fly Ash Zeolite Column	Mine Water and Environment, Springer-Verlag; Volume 35, Issue 4, pp 553–557; December 2016,	I.F. - 0.864
36.	Bably Prasad, Deblina Maiti	Comparative study of metal uptake by Eichhornia crassipes growing in ponds from mining and nonmining areas—a field study	Bioremediation Journal, Taylor & Francis Volume 20, Issue 2, pp 144-152, 22 March 2016,	I.F. - 0.852
37.	Deblina Maiti, Bably Prasad	Revegetation of fly ash - a review with emphasis on grass-legume plantation and bioaccumulation of metals	Applied Ecology And Environmental Research Volume 14, Issue 2, pp 185-212;2016,	I.F. - 0.5



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38.	Deblina Maiti, Bably Prasad	Study of naturally growing plant species on fly ash dumps in Damoda opencast mines, Jharkhand, India	Environmental Engineering and Management Journal; Accepted on July 2016,	I.F. - 1.008
39.	Deblina Maiti, Bably Prasad	studies on colonisation fly ash disposal sites using invasive species and aromatic grasses	Journal of Environmental Engineering and Landscape Management ; Accepted on 24.08.16,	I.F. - 0.591
40.	Kumari Sangita, Bably Prasad, G. Udayabhanu	A Comparative Study of Zeolite Synthesis from Coal Fly ash by using two different methods	Asian Journal of Chemistry; Volume 28, Issue 7, pp 1435-1439 ; 31st March 2016,	I.F. - 0.14 by Research Gate
41.	S. Tiwari, R. Kumar, P. Tunved, S. Singh and A. S. Panicker	Significant cooling effect on the surface due to soot particles over Brahmaputra River Valley region, India: An impact on regional climate	Journal of Science of the Total Environment, Volume 562, 15 August 2016, Pages 504–516 ;	IF - 3.976
42.	B Pandey, A Mukhrjee, M Agrawal, S Singh	Assessment of Seasonal and Site Specific Variations in Soil Physical, Chemical and Biological Properties around Opencast Coal Mines	Pedosphere ; Accepted,	I.F. - 1.54
43.	Parimal Pal, Pallabi Das, Sankha Chakraborty, Ritwik Thakura	Dynamic modelling of a forward osmosis-nanofiltration integrated process for treating hazardous wastewater	November 2016, Volume 23, Issue 21, pp 21604–21618; Environmental Science and Pollution Research, Springer,	I.F. - 2.760



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45.	Abhay Kumar Singh, N.P Varma and G.C. Mondal	Hydro-geochemical investigation and quality assessment of mine water resources in the Korba coalfield, India	Arabian Journal of Geosciences, V.9:278; April 2016,	I.F. - 1.224
46.	A. K. Tiwari, P. K. Singh, M. De Maio and Abhay Kumar Singh	Estimation of heavy metal contamination in groundwater and development of a heavy metal pollution index by using GIS technique.	Bulletin of Environmental Contamination and Toxicology, V. 96:508-515; April 2016,	I.F. - 1.191
47.	M. K. Mahato, P. K. Singh, A. K. Tiwari and Abhay Kumar Singh	Risk Assessment due to Intake of Metals in Groundwater of East Bokaro Coalfield, Jharkhand, India.	Exposure and Health, V.8:265-275; June 2016,	I.F. -1.692
48.	M. K. Mahato, P. K. Singh, Abhay Kumar Singh, A. K. Tiwari	Assessment of major ionic compositions and anthropogenic influences in the rainwater over a coal mining environment of Damodar River basin, India.	Pollution, V. 2(4): 461-474; July 2016.	
49.	Soma Giri and Abhay Kumar Singh	Spatial distribution of metal(loid)s in groundwater of a mining dominated area: recognising metal(loid) sources and assessing carcinogenic and non-carcinogenic human health risk	November 2016., International Journal of Environmental Analytical Chemistry, DOI: 10.1080/03067319.2016.1255735	I.F. - 1.411



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51.	Binu Kumari R. K. Tiwary, K. K. Srivastava	Physico-Chemical Analysis and Correlation Study of Water Resources of the Sukinda Chromite Mining Area, Odisha, India.	Published on 19.07.2016, DOI 10.1007/s10230-016-0409-1,	I.F.- 0.864
52.	K. K. K. Singh, P. K. Singh and M. P. Roy,	Resistivity Imaging Technique for the delineation of subsurface in-homogeneities due to blasting in underground coalmines.	International Journal of Near Surface Geophysics. February 2016, Vol. 14, No. 1, pp 47-56.,	I.F.- 1.232
53.	Tripathi, N., Choppala, G. Singh, R.S.	Evaluation of modified chitosan for remediation of zinc contaminated soils	Journal of Geochemical Exploration. DOI. 10.1016/j.gexplo.2016.08.011 (In Press),.	I.F.- 2.147
54.	Tripathi, N., Choppala, G. Singh, R.S. Srivastava, P. Sheshadri, B.	Sorption kinetics of zinc and nickel on modified chitosan.	Environmental Monitoring and Assessment (Springer). 10.1007/s10661-016-5499-5. (2016) 188: 507,	I.F. – 1.633
55.	Singh, P.K and Singh, R.S.	Environmental and social impacts of mining and their mitigation	National Seminar ESIMM-2016, 17-29, 20 Sept. Kolkata	
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59.	Shobha Kumari, Gouri Charan Thonangi, Jai Krishna Pandey, G. Udaybhanu, Sadanand Sharma	Evaluation of Quartz reduction by coal cleaning for thermal utilization of an Indian coal	International Journal of Coal Preparation and Utilisation, (Taylor & Francis) DOI: 10.1080/19392699.2016.1189418, available online 1 June 2016 ,	IF:0.69
60.	Nagasuresh Enjamuri, Shahid Hassan, Aline Auroux ,Jai Krishna Pandey, Biswajit Chowdhury	Nobel metal free, oxidant free, solvent free catalytic transformation of alcohol to aldehyde over ZnO-CeO ₂ mixed oxide catalyst	Applied Catalysis A: General (Elsevier), 523 (2016) 21-30,	IF: 4.012



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62.	S. Rahman, S. Shah, C. Santra, D. Sen, S. Sharma, J.K Pandey, S.Mazumder, B. Chowdhury, (2016),	‘Controllable synthesis of Niobium doped mesoporous silica materials with various morphologies and its activity for Oxidative catalysis’	Microporous and Mesoporous Materials (Elsevier), 226(2016) pp.169-178, doi: 10.1016/j.micromeso.2015.12.049. ,	IF: 3.455
63.	Rawesh Kumar, Prangya Paramita Das, Ahmed Sadeq, Al-Fatesh, Anis Hamza Fakeeha, Jai Krishna Pandey, Biswajit Chowdhury	‘Highly active InOx/TUD-1 catalyst towards Baeyer–Villiger oxidation of cyclohexanone using molecular oxygen and benzaldehyde’,	Catalysis Communications (Elsevier) Vol 74, 10 Jan 2016, pp 80-84. ,	IF:3.646
64.	Deepa Agarwal, Jai Krishna Pandey, Bably Prasad, Asim Kumar Pal,	Serum copper and zinc level as biomarker for dust exposed lung diseases among coal miners	Journal of Biodiversity and Environmental Sciences (JBES), Vol. 8, No. 1, 10 January 2016, pp. 65-74.,	IF: 1.356
65.	C. Santra, S. Shah, A. Mondal, J.K. Pandey, A.B. Panda, S. Maity, B.Chowdhury	Synthesis, Characterization of VPO catalyst dispersed on mesoporous silica surface and catalytic activity for cyclohexane oxidation reaction	Microporous and Mesoporous Materials (Elsevier) (2016), 223(2016) pp. 121-128, 15 March 2016,	IF: 3.455



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67.	Sajal Kumar, S.K.Kashyap, A.R. Ansari	Study of failure criteria of steel columns under compression – A Critical Review	International Journal of Research in Mechanical Engineering. Vol.4;Issue 4, July-August,2016, pp-23-34	(I.F: 4.690)
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69.	D. Basak	Performance evaluation of chairlift ropes in two man-riding systems in an incline coal mine using a non-destructive testing instrument	Insight, Vol. 58, No. 4, April, 2016, pp 206-209.	(I.F. 0.536)
70.	Mrinmay Bhowmik and debasish Basak	A critical comperative observation on Automatic Generation Contorl of Thermal Power – CSP system using Firefly Algorithm based classical control	International Journal of Latest Trends in Engineering and Technology (IJLTET), Vol. 6, Issue 4, March 2016, pp 378-386.	
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72.	P. Singh, S. K. Chaulya, V. K. Singh, S. Ansari, Kunal Saurabh, GM Prasad	Applications of Microwave Technology and its Health Effects'	Jr. of ICT Research & Development, Vol-2, Issue 8 pp 1-14, (August 2016)	
73.	K. Saurabh, S.K. Chaulya, G.M.Prasad, S. Ansari, D. Kumar	Assessment of Different Technologies for Improving Visibility during Foggy Weather in Mining and Transportation Sectors	International Jr. on Recent & Innovation Trends in Computing and Communication, Vol:4, Issue: 4, pp 31-40, (April 2016) (SJIF: 5.827, IC Value: 5.75)	
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75.	Goel, R.K	Experiences and lessons from the use of TBM in the Himalaya – A review	Tunnelling and Underground Space Technology, Elsevier, Vol. 57, August,2016, pp.277-283.	(I.F. 1.741)
76.	Bagde M. N.	Characterization of failure modes and planned stabilization measures for the Ajanta Caves in India	Int. J. Rock Mechanics & Mining Sciences 81, 12-18, 2016 . http://dx.doi.org/10.1016/J.ijrmms.2015.11.005 .	(I. F: 1.6)



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77.	A. K. Soni and A. K. Nath	Geo-hydrological study for quantitative estimation and dewatering planning in an open cast iron ore of India	Jr. of Mines, Metals & Fuel, Special Issue on CSIR-CIMFR: In pursuit of excellence, Septemeber, 2016, pp. 406-413. (Non-SCI)	
78.	A. K. Soni, L. K. Sahoo and U. K. Ghosh	Quantitaive estimation of water in an opencast limestone mine in India	The Indian Mineral Industry Journals, Bhubaneswar, ISS No 11 July-Sept, pp. 21-29. (Non SCI)	
79.	Dr. M.K. Saini	Effect of Coal Cleaning on Ash Composition and its Fusion Characteristics for a High-Ash Non-Coking Coal of India	J. Coal Preparation and Utilization,	IF-0.727
80.	Veena Patil-Shinde, Sujan Saha, Bijay K.Sharma, Sanjeev S.Tambe and Bhaskar D. Kulkarni.	High ash char Gasification in Thermo-Gravimetric Analyzer and Prediction of Gasification performamce parameters using computational intelligence formalisms	Chemical Engineering Communications, 2016, 203(8), 1029-1044, 2016.	(IF- 1.433)
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