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Publication List of 2016

Sl. No.	Authors Name	Title	Journals Name	Impact Factor
1.	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	IF: 0.536
2.	Mrinmay Bhowmik and Debasish Basak	A critical comparative observation on Automatic Generation Control of Thermal Power – CSP system using Firefly Algorithm based classical control	International Journal of Latest Trends in Engineering and Technology, Vol. 6., Issue 4, pp378-386, March 2016	IF:3.358
3.	Suchitra Mondal and Debasish Basak	Power Cables and Importance of Testing: An Overview	International Journal of Scientific Progress and Research, Vol. 20, No. 02, PP 77-80, 2016	IF:0.508
4.	Rana, A., Kalla, P., Verma, H.K., Mohnot, J.K.	Recycling of dimensional stone waste in concrete: A review	Journal of Cleaner Production 135 (2016), Elsevier, 312-331.	IF: 4.959
5.	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, pp.277-283.	IF: 1.741
6.	Mohit Sharma, Aditya Rana, Pawan Kalla	Recycling Kota stone waste in bituminous roads	Communicated to Journal of Scientific and Industrial Research	IF: 0.385



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			(SCI) in 2016.	
7.		FTIR, XRF, XRD and SEM characteristics of Permian shales	India Journal of Natural Gas Science and Engineering, 32 (2016) 239-255	IF: 2.045
8.	A. K. Soni and A. K. Nath	Geo-Hydrological study for quantitative estimation and dewatering planning in an open cast iron ore mine of India	Submitted to the Journal of Mines, Metals & Fuels, November, 2016	SJR - 0.198 and SNP - 0.1264
9.	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.	IF=2.6
10.	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 available online 1 June 2016	I.F. 0.69
11.	NagasureshEnjamuri, Shahid Hassan, AlineAuroux , Jai Krishna Pandey, BiswajitChowdhury	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), Vol, 523, 21-30, 5 th Aug 2016.	IF : 4.403
12.	Rawesh Kumar, SrikanthPonnada, NagasureshEnjamuri, Jai	Synthesis, characterization and correlation with the catalytic activity of efficient mesoporousniobia and mesoporousniobia–zirconia mixed oxide catalyst	Catalysis Communications (Elsevier) 77 (2016) 42–46, 5 th March 2016	IF: 3.646



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	Krishna Pandey, Biswajit Chowdhury	system		
13.	S. Rahman, S. Shah, C. Santra, D. Sen, S. Sharma, J.K Pandey, S.Mazumder, B. Chowdhury	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, 15 May 2016	IF: 3.455
14.	DeepaAgarwal, 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
15.	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) 223(2016) pp. 121-128, 15 March 2016	IF: 3.455
16.	Rawesh Kumar, PrangyaParamita Das, Ahmed Sadeq, Al-Fatesh, AnisHamzaFakeeha, Jai Krishna Pandey, BiswajitChowdhury	Highly active InOx/TUD-1 catalyst towards Baeyer–Villiger oxidation of cyclohexanone using molecular oxygen and benzaldehyde	Catalysis Communications (Elsevier) Vol 74, pp 80-84. 10 Jan 2016	IF: 3.646
17.	S. K. Ray, D. C. Panigrahi, G. Udayabhanu and V. K. Saxena	Assessment of spontaneous heating susceptibility of Indian coals - A new approach	Energy Sources, Part A: Recovery, Utilization, and Environmental	IF: 0.39



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			Effects, 38:1, 2016, pp. 59-68,	
18.	Haider Banka, Santosh Kr. Ray and D. C. Panigrahi	Standardization of a method for studying susceptibility of Indian coals to self-heating	Arabian Journal of Geosciences, Vol 9 issue 2 pp 1-14, published online 22 nd February 2016	IF: 1.224
19.	Mohalik N.K., Lester E. and Lowndes I. S.	Review of experimental methods to determine spontaneous combustion susceptibility of coal – Indian context	International Journal of Mining, Reclamation and Environment, published online 04 th October 2016	IF:0.5
20.	A Nandy, C Loha, SaiGu, P Sarkar, M K Karmakar, P K Chatterjee	Present status and overview of Chemical Looping Combustion Technology	Renewable and Sustainable Energy Reviews, 59 (2016) 597-619.	IF: 6.798
21.	D Das, S Mukherjee, A Pal, R Das, S G Sahu, Sagar Pal	Synthesis and characterization of biodegradable copolymer derived from dextrin and poly (vinyl acetate) via atom transfer radical polymerization	RSC Advances, 6, 9352, 2016,	IF: 3.289.
22.	R. Kumar and A. K. Ghosh	Mines Systems Safety Improvement Using an Integrated Event Tree and Fault Tree Analysis	Journal of The Institution of Engineers (India): Series D, Vol.97, No. 2, 2016.	IF::0.11
23.	SurajitBera , Dr. M. Ahmad and Dr.Anjaneer Kumar	Suitable Site Selection for Urban Solid Waste Management using GIS Technique – a Case Study of Dhanbad Block	International Research Journal of Engineering and Technology (IRJET) New Delhi, India, Volume 03 Issue 7, July, 2016, pp 1600 –	IF: 4.45



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			1605.	
24.	SurajitBera and Dr. M. Ahmad	Delineation of ground water potential zones in Dhanbad District, Jharkhand, using Remote Sensing and GIS Techniques	International Research Journal of Engineering and Technology (IRJET) New Delhi, India, Volume 03 Issue 7, July, 2016, pp 1607 – 1615.	IF: 4.45
25.	SurajitBera, RaghbirRaza and Dr. M. Ahmad	Suitable Site Selection for Sustainable Urban Development Planning with the help of Remote Sensing and GIS	International Journal of Innovative Research and Advance Studies (IJIRS) Kolkata, West Bengal, Volume 3 Issue 9, August 2016, pp 56 – 62.	
26.	SurajitBera and Dr. M. Ahmad	Site Suitability Analysis Using Remote Sensing & GIS for Rain Water Harvesting	International Journal of Geology, Earth & Environmental Science. Paper accepted for publish in September-December 2016 Issue. Paper MS No. JGEE 2016/06/02/014. (ICV = 62.28)	
27.	SurajitBera, Dr. M. Ahmad and MadhumitaDey	Satellite Image Base Study for Land Use Land Cover Changed Due to Mining Activity during (1987 to 2011) at Dhanbad District, Jharkhand.	Journal of the Geological Society of India. Manuscript Number- JGSI-D-16-00415. Paper Under Review.	IF: 0.596
28.	R. P. Singh, Mousumi Mallick	Corrosion and its effect on wire rope used in	Published in International Journal of	IF:1.227



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	and M.K. Verma	underground coal mines	Engineering and Applied Sciences, Vol.3, Issue.1, January 2016.	
29.	R.P. Singh, Mousumi Mallick, &, M.K. Verma	Studies on failure behaviour of wire rope used in underground coal mines	Published in “Engineering Failure Analysis 70 (2016) 290 - 304”, September 2016	IF: 1.028
30.	Lama, Y., Sinha, A., Singh, G., Masto, R.E.	Reductive dehalogenation of endosulfan by cast iron: Kinetics, pathways and modeling	Chemosphere 150, 772-780.	IF: 3.13
31.	Masto, R., George, J., Rout, T., Ram, L.	Multi element exposure risk from soil and dust in a coal industrial area	Journal of Geochemical Exploration (In Press), 2016	IF 2.74
32.	Mukhopadhyay, S., George, J., Masto, R.E.,	Changes in Polycyclic Aromatic Hydrocarbons (PAHs) and Soil Biological Parameters in a Revegetated Coal Mine Spoil	Land Degradation & Development (In Press) 2016	IF 8.1
33.	Mukhopadhyay, S., Masto, R., Yadav, A., George, J., Ram, L., Shukla, S.	Soil quality index for evaluation of reclaimed coal mine spoil	Science of The Total Environment 542, 540-550., 2016	IF 3.99
34.	Mukhopadhyay, S., Masto, R.E.	Carbon storage in coal mine spoil by DalbergiasissooRoxb	Geoderma 284, 204-213., 2016	IF 2.85
35.	Mukhopadhyay, S., Masto, R.E., Cerdà, A., Ram, L.C.	Rhizosphere soil indicators for carbon sequestration in a reclaimed coal mine spoil	Catena 141, 100-108., 2016	IF 2.82
36.	Sangeet K. Jha, Ramesh C. Tripathi and Lal C. Ram	A comparative study on field scale demonstration of fly ash and pond ash for cultivation of maize-	Energy Sources, Part A: Recovery, Utilization, and Environmental	IF 0.84



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		groundnut crops in sequence on a wasteland at Ramagundam, AP (India),	Effects, 38(11): 1661-1669., 2016	
37.	R. C. Tripathi, S. K. Jha, and L. C. Ram	Impact of heavy metals in Indian fly ashes on its application as soil Ameliorant	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects (in Press)., 2016	IF 0.84
38.	Singh, Rajendra, Kumar, Ashok, Singh, Arun Kumar, Coggan, John., Ram, Sahendra.	Rib/snookdesigninmechaniseddepillaringofrectangular/squarepillars.	International Journal of Rock Mechanics and Mining Sciences, UK., 84(2016): 119-129.	IF: 2.065
39.	A. Paul, V.M.S. R. Murty, A. Prakash and A.K.Singh	Predicting the excavation damage zone for rock load estimation and support design in underground coal mines – An approach	Journal Name: ActaGeotechnica, Publisher Springer	IF:2.426 (Under review)
40.	A. Paul, V.M.S. R. Murty, A. Prakash and A.K.Singh	Estimation of Rock load in development workings of underground coal mines – A modifies RMR (RMR _{dyn}) Approach	Journal Name: International Journal of Rock Mechanics and Mining Sciences, Publisher: Elsevier	IF: 2.0 (Under review)
41.	Singh, K.K.K., Singh, P.K. and Roy, M.P.	Resistivity imaging technique to investigate the subsurface strata conditions due to blasting in underground coal mines in India	Near Surface Geophysics, Vol. 14. No.1, February 2016, pp. 47-56	IF: 1.61
42.	Prasad B., Maiti D.	Comparative study of metal uptake by Eichhorniacrassipes growing in ponds from mining and non-mining area- a field study	Biorem. J., Vol.20 (2), pp 144-152.	IF: 0.852



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43.	Tripathi, N. Singh, R.S. and Colin D. Hills	Soil carbon development in rejuvenated Indian Coal mine spoil	Ecological Engineering (Elsevier). 90:482-490.	IF: 3.223
44.	Maiti, D., Prasad, B.	Revegetation of fly ash - a review with emphasis on grass-legume plantation and bioaccumulation of metals	Appl. Ecol. & Environ. Res., Vol 14 (2), pp 185 -212.	IF: 0.557
45.	Soma Giri and Abhay Kumar Singh	Spatial and temporal variation in distribution of metals in bed sediments of Subarnarekha River, India	Arabian Journal of Geosciences, V. 9:9.	IF:1.224
46.	A. K. Tiwary, M. De Maio, P.K. Singh and Abhay Kumar Singh	Hydrogeochemical characterization and groundwater quality assessment in a coal mining area India.	V. 9:17, Arabian Journal of Geosciences, V. 9:9.	IF:1.224
47.	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	IF:1.224
48.	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.	IF: 1.191
49.	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.	IF:1.692
50.	Tiwari S, Kumar R, Tunved P,	Significant cooling effect on the surface due to soot	J Science of the Total Environment,	IF: 3.976



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	Singh S, Panicker AS	particles over Brahmaputra River Valley region, India: An impact on regional climate	15;562:504-16.	
51.	Parimal Pal, Pallabi Das, Sankha Chakraborty & Ritwik Thakura	Dynamic modelling of a forward osmosis-nanofiltration integrated process for treating hazardous wastewater	Environmental Science and Pollution Research, Voll.23, 21, pp-21604-21618.	IF: 2.76
52.	Chatterjee, R. S., Singh, K. B., Thapa, Shailaja and Dheeraj Kumar	The present status of subsidingland vulnerable to roof collapse in Jharia the Coalfield, India as obtained from shorter temporal baseline C-band DInSAR by smaller spatial subset unwrapped phase profiling	International Journal of Remote Sensing, Vol. 37, No. 1, pp. 176-190.	IF : 1.64
53.	Rambabu. N. Reddi, Pragati K. Prasad, RupaliKalshetti, A. Sudalai	A concise enantioselective synthesis of 1,4-dideoxy-1,4-imino-D-arabinitol using Co (III)(salen)-catalyzed hydrolytic kinetic resolution of a two-stereocentered anti-azido epoxide	Tetrahedron: Asymmetry (Elsevier). In Press, Corrected Proof, Available online 11 November 2016.	
54.	VeenaPatil-Shinde, SujanSaha, BijayK.Sharma, SanjeevS.Tambe and Bhaskar D. Kulkarni	High ash chars gasification in Thermo-Gravimetric Analyzer and prediction of gasification performance parameters using computational intelligence formalisms	Chemical Engineering Communication, 2016, 203(8), 1029-1044.	
55.	SandipMandal, SudipMaity,SujanSaha and Biplab Banerjee	MnOx supported on a TiO2 (SBA-15) nanoreactor used as an efficient catalyst for one-pot synthesis of imine by oxidative coupling of benzyl alcohol and	RSC Adv., 6, 73906-73914, 2016.	



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		aniline under atmospheric air		
56.	Kumar Anupam, Arvind Kumar Sharma, PritiShivhareLal, SumanDutta, SudipMaity	Preparation, characterization and optimization for upgrading Leucaenaleucocephala bark to biochar fuel with high energy yielding	Energy, 106, 743-756, 2016.	
57.	Olusola O. James, SandipMandal, NkemAlele, BiswajitChowdhury, SudipMaity	Lower alkanes dehydrogenation: Strategies and reaction routes to corresponding alkenes	Fuel Processing Technol, 149,2016, 239–255.	
58.	ChiranjitSantra, Malay Pramanik, Kyoko K Bando, SudipMaity, BiswajitChowdhury	Gold nanoparticles on mesoporous Cerium-Tin mixed oxide for aerobic oxidation of benzyl alcohol	J. Mol. Catal. A: Chem., 2016, 418, 41-53.	
59.	A K Ghosh, P Chaudhuri, S SPanja	Steady state fluorescence spectroscopic studies on the aggregation of coal derived asphaltene at lower concentration	Fuel (Elsevier) 185 (2016) 164–170.	
60.	A K Ghosh, P Chaudhuri, B Kumar, S SPanja	Review on aggregation of asphaltenevis-a-vis spectroscopic studies	Fuel (Elsevier) 185 (2016) 541–554.	
61.	Jai Krishna Pandey, AsitBaran Panda, SudipMaity, BiswajitChowdhury	Synthesis, characterization of VPO catalyst dispersed on mesoporous silica surface and catalytic activity for cyclohexane oxidation	Microporous and Mesoporous Mater., 2016, 223, 121-128.	