

**LIST OF PUBLICATIONS**

**INTERNATIONAL JOURNAL**

Sl. No	Year	Name of Authors	Title of Publication	Name of Journal	Indexed in	Impact Factor	SIR	WoS
38	2021 Online Published	Yuvraj Singh, Manish Kumar Jain	Assessment of physicochemical parameters and metal contents of Mansagar lake of Jaipur	Environmental Earth Sciences ISSN 1866-6280 <a href="https://doi.org/10.1007/s12665-021-09576-9">https://doi.org/10.1007/s12665-021-09576-9</a>	SCIE	2.180	Q2	Q2
37	2021 Online Published	Dinesh Kumar Patel, Manish Kumar Jain	Health Risk Assessment of Trace Element in the Ambient Air along the Roadside in Dhanbad, India	International Journal of Environmental Science and Technology, ISSN: 1735-1742 10.1007/s13762-021-03266-6	SCIE	2.540	Q2	Q2
36	2021	Yuvraj Singh, Manish Kumar Jain	Review of Advanced Techniques to Check Possible Pollutants And for Aquatic Quality Management of Urban Lakes	POLLUTION RESEARCH ISSN 0257 – 8050 ISSN Quarterly 0971 - 765 X Vol. 40-(1)	Scopus	0.13	Q4	
35	2021 (Accepted)	Azeem Uddin Siddiqui, Manish Kumar Jain, Reginald Ebhin Masto,	Distribution of some potentially toxic elements in the soils of Jharia Coalfield: A probabilistic approach for source identification and risk assessment	LAND DEGRADATION & DEVELOPMENT ISSN: 1085-3278 Online ISSN:1099-145X © John Wiley & Sons Ltd	SCI, Thomson & Reuters and Scopus indexed	3.775	Q1	Q1
34	2021 Online Published	J P Singh M K Jain Alok singh Amitava Mondal Anil Kumar	Prediction of compressive strength of geopolymer products using central composite design	Materials Today: Proceedings ISSN : 2214-7853 <a href="https://doi.org/10.1016/j.matpr.2020.12.989">https://doi.org/10.1016/j.matpr.2020.12.989</a>	Scopus	0.576		
33	2021	Shweta Kumari, Manish Kumar Jain , Suresh Pandian Elumalai	Assessment of Pollution and health risk by heavy metals in particulate matter and road dust along road network of	Journal of Health And Pollution ISSN :2156-9614 Vol 11, No 29, March 2021	Scopus /ESCI	0.37	Q3	-

			Dhanbad					
32	2020	Shilpi Mondal, Gurdeep Singh, and Manish Kumar Jain	Spatio-temporal variation of air pollutants around the coal mining areas of Jharia Coalfield, India	Environmental Monitoring and Assessment, ISSN: 0167-6369 Volume 192, Issue 6, 1 June 2020, Article number 405 DOI: 10.1007/s10661-020-08324-z	SCI, Thomson & Reuters and Scopus indexed	1.903	Q2	Q3
31	2020 Online Published	Ravi Ranjan Kumar , V K Soni, Manish Kumar Jain,	Evaluation of spatial and temporal heterogeneity of black carbon aerosol mass concentration over India using three year measurements from IMD BC observation network	Science of the Total Environment ISSN: 0048-9697 June2020, Vol 723, <a href="https://doi.org/10.1016/j.scitotenv.2020.138060">10.1016/j.scitotenv.2020.138060</a>	SCI, Thomson & Reuters and Scopus indexed	5.5819	Q1	Q1
30	2020 Online Published	Priya Parihar, Kanchan Kumari, Manish Kumar Jain , Pradip S Jadhao	Evaluation of Change in biochar properties derived from different feedstock and pyrolysis temperature for environmental and agricultural application	Science of the Total Environment ISSN: 0048-9697 April 2020, Vol 713,136433 <a href="https://doi.org/10.1016/j.scitotenv.2019.136433">https://doi.org/10.1016/j.scitotenv.2019.136433</a>	SCI, Thomson & Reuters and Scopus indexed	5.5819	Q1	Q1
29	2020	Azeem Uddin Siddiqui, Manish Kumar Jain, Reginald Ebhin Masto,	Pollution evaluation, spatial distribution, and source apportionment of trace metals around coal mines soil: The case study of eastern India	Environmental Science and Pollution Research Vol 27, No. 10, pp 10822-10834 ISSN: 0944-1344 DOI: 10.1007/s11356-019-06915-z	SCI, Thomson & Reuters and Scopus indexed	2.914	Q2	Q2
28	2019	Shruti Mishra, L B Chaudhary, M K Jain, Vipin Kumar, S K Behra	Understanding the relationship between soil properties and litter chemistry in three forest communities in tropical forest ecosystem	Environmental Monitoring and Assessment, Vol 191 (Suppl3) 796 ISSN: 0167-6369 DOI: 10.1007/s10661-019-7691-x	SCI, Thomson & Reuters and Scopus indexed	1.903	Q2	Q3
27	2019	Jitin Rahul, Mamoucha Stavroula, Manish Kumar Jain	Applying quantitative analysis for road side population of Lower Risk (category of IUCN red list version 2.3 and version 3.1) tree species	<i>Asian Journal of Conservation Biology</i> , July 2019. Vol. 8 No. 1, pp. 2-14 ISSN 2278-7666	Thomson Reuters and Scopus			

26	2020	Shiv Kumar Yadav, Manish Kumar Jain	Variation in concentrations of particulate matter with various sizes in different weather condition in mining zone	International Journal of Environmental Science and Technology, ISSN: 1735-1742, Vol 17, No 02, pp695-708 DOI 10.1007/s13762-019-02313-7	SCI, Thomson & Reuters and Scopus indexed	2.540	Q2	Q2
25	2019	Ambikesh Kumar Mishra, Manish Kumar Jain, Suwendu Kumar Dash	An Investigation on Ambient Air Quality & Indexing (AQI) with Reference to Suspended Particulate Matter (PM10 And PM2.5) and Gaseous Pollutants (SO2, NO2 & CO) Around OCL India Limited, Rajgangpur, Odisha	Current Science, Vol 116, No 11 PP 1905-1909 ISSN: 0011-3891 doi: 10.18520/cs/v116/i11/1905-1909	SCI, Thomson & Reuters and Scopus indexed	0.967	Q2	Q3
24	2019/2021	Surajit Panda, Manish Kumar Jain, A T Jeyaseelan	Satellite image derived spectral modelling to assess the grades of hematite deposits: A study on Noamundi area in West Singhbhum district, Jharkhand	Geocarto International, Vol 36 (3) 299-319 ISSN: 1010-6049 <a href="https://doi.org/10.1080/10106049.2019.1594395">https://doi.org/10.1080/10106049.2019.1594395</a>	SCI, Thomson & Reuters and Scopus indexed	3.789	Q2	Q2
23	2019	Krishnendu Banerjee, Manish Kumar Jain, A.T Jeyaseelan and Surajit Panda	Landsat 8 OLI Data for Identification of Hydrothermal Alteration Zone in Singhbhum Shear Zone (SCZ) Using Successive Band Depth Difference Technique, A new image processing approach	Current Science, Vol 116, No. 10 pp 1639-1647 ISSN: 0011-3891 doi: 10.18520/cs/v116/i10/1639-1647	SCI, Thomson & Reuters and Scopus indexed	0.967	Q2	Q3
22	2019	Shruti Mishra, L B Chaudhary, M K Jain, Vipin Kumar	Interaction of abiotic factor on soil CO <sub>2</sub> efflux in three forest communities in tropical deciduous	Environmental Monitoring and Assessment, Vol 191 (Suppl3) 796 ISSN: 0167-6369 DOI: 10.1007/s10661-019-7689-4	SCI, Thomson & Reuters and Scopus indexed	1.903	Q2	Q3
21	2019	Anamika Masoom, Manish Kumar Jain, and Rayasam Venugopal	Preparation of Fly Ash Granules with Respect to Mine Filling	<i>International Journal of Environmental Science and Development</i> Vol. 10, no. 4, pp. 104-109, IJESD 2019 , ISSN: 2010-	Scopus	0.49		

				0264 doi: 10.18178/ijesd.2019.10.4.1156				
20	2017	Ray M., Usmani Z., Chandra A., Kumar V and Jain M. K.	Bacterial diversity in mining and non-mining regions with emphasis on plant growth promoting traits. Chemistry and Ecology	Chemistry and Ecology, ISSN: 0275-7540 DOI: 10.1080/02757540.2017.1376663	SCI, Thomson & Reuters and Scopus indexed	1.463	Q2	Q3
19	2018	Manish Kumar Jain, Yuvraj Singh	Assessment of water quality index: a case study of Jal Mahal Lake at Jaipur Rajasthan, India	Ecology, Environment and Conservation, ISSN: 0971-765X, Vol 24, Special issue, pp 80-85.	Scopus and T&R indexed	0.14	Q4	
18	2019/2017	Radha Rani, Manish Kumar Jain	Hydraulic transportation of coal combustion products for mine fill	Particulate Science and Technology, DOI:10.1080/02726351.2017.1352634, ISSN: 0272-6351, 1548-0046 Vol 37, Issue 1, 123-129	SCI, Thomson & Reuters and Scopus indexed	1.081	Q3	Q3
17	2018	Surajit Panda, Manish Kumar Jain, A T Jeyaseelan	A Study and implications on the Potential of Satellite Image spectral to Assess the Iron ore Grades of Noamundi Iron Deposits area	Journal of the Geological Society of India, DOI: 10.1007/s12594-018-0840-y, ISSN: 0016-7622, Vol 91, issue 2, pp 227-231	SCI, Thomson & Reuters and Scopus indexed	0.547	Q3	Q4
16	2018	Krishnendu Banerjee, Manish Kumar Jain	Copper Ore Identification Using Spectral Similarity Measurement from Hyperion Image, Mapping of Prophyry Copper Mineralized Zone	Journal of the Geological Society of India, DOI: 10.1007/s12594-018-0842-9, ISSN: 0016-7622, Vol 91, issue 2, pp 239-247	SCI, Thomson & Reuters and Scopus indexed	0.547	Q3	Q4
15	2017	Surajit Panda, Manish Kumar Jain	Effects of Green Space Spatial Distribution on Land Surface Temperature: Implications for Land Cover Change as Environmental Indices	International Journal of Earth Science and Engineering, DOI:10.21276/ijee.2017.10.0207, ISSN 0974-5904, Vol. -10, N0.-02, pp 180-184	Scopus Indexed, SJR-0.168	0.042		
14	2017	Radha Rani, Manish Kumar Jain	Effect of Bottom Ash at Different Ratios on Hydraulic Transportation of Fly Ash During Mine Fill	Powder Technology, doi:10.1016/j.powtec.2017.04.025, ISSN: 0032-5910, Vol. 315, pp 309- 317	SCI, Thomson & Reuters and Scopus indexed	2.759	Q1	Q1

13	2017	Arpita Das, Manish Kumar Jain	Impact of Mine Waste Leachates on Aquatic Environment: A Review	Current Pollution Reports (Springer), DOI: 10.1007/s40726- 017-0050-z. 9, ISSN: 2198-6592 , Vol 3, Issue 1, PP 31-37	SCI/Scopus indexed	3.286	Q1	Q2
12	2017	Shiv Kumar Yadav, Manish Kumar Jain	Exposure to particulate matter in different region along road network, Jharia Coalfield, Dhanbad, India	Current Science, ISSN: 0011-3891, Vol. 112, No. 1 PP 131-139, doi:10.18520/cs/v112/io1/131-139	SCI, Thomson & Reuters and Scopus indexed	0.967	Q2	Q3
11	2016	Rahul, J. and Jain, M.K	Effect of Heavy Metals on Some Selected Roadside Plants and Its Morphological Study	Nature Environment and Pollution Technology, ISSN: 0972-6268, Volume 15(4), PP 1133-1142	Thomson Reuters & Scopus	1.621		
10	2016	Radha Rani, Manish Kumar Jain	Coal Combustion Product – Non Hazardous Material for Mine Fill	Environmental Quality Management, DOI: 10.1002/tqem.21469, Vol. 23, No 4, PP- 107-119, John Wiley and Sons Inc.	Scopus Indexed			
9	2016	Avantika Chandra, Vipin Kumar, Manish Kumar Jain	Impact of open cast coal mining on groundwater quality around Jharia coalfield area, India	Journal of Environmental Science and Engineering, ISSN 0367-287X, , Vol 58, No-1, pp 65-72	Scopus Indexed			
8	2016	Sumit Choudhary, Dheeraj Kumar, Manish Kumar Jain	Performance analysis of hyperspherical colour sharpening method for IRS satellite images	The Imaging Science Journal, DOI: 10.1080/13682199.2016.1190898 ISSN: 1368-2199, ISSN: 1743- 131X Vol 64, issue 6, pp 305-312	Taylor & Francis Ltd. Published online	0.30	Q2	Q4
7	2015	Kumar V., Chandra A., Behera A. and Jain M. K	Adsorption kinetics and equilibrium studies of heavy metals removal using Musa sapientum stems - a low cost agro waste biosorbent	Journal of Environmental Science and Engineering, ISSN 0367-287X, Vol 57, No.-4, pp 287-293	Scopus Indexed			
6	2015	Jitin Rahul, Manish Kumar Jain	Floristic Assessment of the Important Least Concern Plant Species with Taxonomic Descriptions along the	Brazilian Journal of Botany, Springer Link: ISSN: 1806-9959 <a href="https://doi.org/10.1007/s40415-015-0184-4">https://doi.org/10.1007/s40415-015-0184-4</a> , ,	SCI, Thomson & Reuters and Scopus indexed	1.385	Q3	Q4

			National Highway	Vol 38, issue 4				
5	2015	Avantika Chandra, Vipin Kumar, Manish Kumar Jain	The Seasonal Changes in soil properties due to coal mine impacts	Carpathian Journal of Earth and Environmental Sciences, ISSN (print): 1842-4090, ISSN (online) :1844-489X, February Vol. 10, No.1, pp 241-248	SCI, Thomson & Reuters and Scopus indexed	1.307	Q3	Q4
4	2015	Jitin Rahul, Manish Kumar Jain, Shishu Pal Singh, Rakesh Kant Kamal, Anuradha, Aliya Naz, Anup Kumar Gupta, Sujeet Kumar Mrityunjay	Adansonia digitata L. (Baobab): A review of Traditional Information and Taxonomic Description	Asian Pacific Journal of Tropical Biomedicine, DOI: 10.1016/S2221-1691(15)30174-X (Elsevier), SJR-0.456 ISSN: 2221-1691, Vol. 5 (1), pp 79-84, SNIP-1.171	SCI, Thomson & Reuters and Scopus indexed	1.634	Q2	
3	2012	Arpita Das, Manish Kumar Jain, Gurdeep Singh	Investigation of Long Term Leaching Characteristics of Coal Combustion By-products from Mejia Thermal Power Station, India	International Journal of Earth Sciences and Engineering, ISSN 0974-5904, Vol. 5, No 2 April, pp. 305- 313,	Scopus Indexed	0.16		
2	2010	Venkatesh A., Gurdeep Singh, D. Venkata Reddy and Manish K Jain	Air Quality Assessment of Dhanbad District, India - A Case Study	Int. Jr. of Earth Sciences and Engineering, 03(03):409-415	Scopus Indexed	0.16		
1	2002	Jain Manish Kumar, Saxena N.C.	Air Quality Assessment along Dhanbad - Jharia Road	Environmental Monitoring and Assessment, Springer, DOI: 10.1023/A:1020278610521, ISSN: 0167-6369, Netherlands Vol. 79, Issue 3, November, 2002, pp- 239-250	SCI, Thomson & Reuters and Scopus indexed	1.592	Q2	Q3

Sl. No.	Year	Name of Authors	Title of Publication	Name of Journal	Indexed in (SCI/SCIE/SSCI/SCOPUS)	Impact Factor
14	2019	Manish Kumar Jain, Deepjyoti Chakravorti	Fly Ash Publications	The Indian Mining & Engineering Journal, ISSN 0019-5944, Vol 58, No 09	UGC Approved Journal-20912	
13	2017	Radha Rani, Manish Kumar Jain	A review on sustainable approach for management of fly ash in different sectors: Indian scenario	Journal of Mines Metals and Fuels, ISSN - 0022-2755, Vol. 65, No.-1, pp 31-37 SJR - 0.198, SNIP -0.1264	Scopus Indexed	
12	2015	Chandra A., Kumar V. and Jain M. K	Seasonal Impacts studies of coal mining activities on surface water quality	Indian Journal of Environmental Protection, ISSN 0253-7141, Vol. 35(12): 981-989 H Index =13, SJR-0.204, SNIP- 0.285	Scopus Indexed	
11	2015	Avantika Chandra, Manish Kumar Jain, Vipin Kumar	Impacts of mine waste leachate on water quality in coal mining area with emphasis to heavy metals contamination	Journal of Mines Metals and Fuels, ISSN -0022-2755, Vol. 63, No.-4, pp 104-108 SJR - 0.198, SNIP –0.1264	Scopus Indexed	
10	2015	Manish Kumar Jain, ViOND Babu	Evaluation of Spatial Distribution of Erosion Potential of Jharia Coalfields By Geographical Information System	Indian Journal of Environmental protection, ISSN 0253-7141, 35(3), pp 200-215 SJR-0.204, SNIP-0.285	Scopus Indexed	
9	2014	Avantika Chandra, M. K. Jain, V Kumar	Quality index of surface water near overburden dumping site in coal mining area	Mining Engineer's Journal, ISSN 0975- 3001(Google Scholar), Vol.15 No. 11, June pp 18-22		
8	2014	Avantika Chandra, M. K. Jain, V Kumar	Impact Studies of Coal Mining on Microbiological Population in Soil at and around the coal Mines	The Indian Mining & Engineering Journal, The IME Publications , ISSN 0019-5944(Google Scholar), Vol. 53, No. 05, May, pp 26-29,	UGC Approved Journal-20912	

7	2014	Vipin Singh Rawat, Jain Manish Kumar	Flow Properties of Fly Ash through Viscometer with Reference to Mine Filling	The Indian Mining & Engineering Journal, The IME Publications, ISSN 0019-5944. (Google Scholar), Vol. 53, No. 04, April, pp 20-28	UGC Approved Journal-20912	
6	2012	Arpita Das, Jain Manish Kumar, Gurdeep Singh	Engineering Properties of Coal Ash for Mine Filling Application	Mining Engineer's Journal, ISSN 0975- 3001(Google Scholar), Vol. 13, No. 12, July , pp-20-23		
3	2009	Rizwan Reza, Jain Manish Kumar, Gurdeep Singh	Impact of Mining Activities on Surface Water Quality in Angul – Talcher Region of Orissa, India	Mining Engineer's Journal, ISSN 0975-3001(Google Scholar), Vol. 10 No. 11 June 2009. pp. 22-28, Citation 5		
2	2006	Jain Manish Kumar, B S Sastry	Hydraulic Transportation of Fly Ash - a Laboratory Scale Investigation	Journal of Mines, Metals and Fuels, ISSN:0022- 2755, Vol. 54, No.6&7, Jun. ()SJR-0.16	Scopus Indexed	
1	2005	Jain Manish Kumar, Sastry B.S	Characterization of Some Indian Coal Combustion By- Products	Mining Engineer's Journal, ISSN 0975- 3001(Google Scholar), Vol. 7 No. 5 December 2005. pp 9-14, 26		

### Book Chapter

1. Sumit Choudhary, Dheeraj Kumar, Manish Kumar Jain (2016), "Multi-Classifer Fusion for Land Use Land Cover Mapping in Jharia Coal Field " inbook:Geostatisticaland GeospatialApproachesfor theCharacterizationofNaturalResourcesintheEnvironment,pp.773-777. [http://doi.org/10.1007/978-3-319-18663-4\\_119](http://doi.org/10.1007/978-3-319-18663-4_119).
2. Shiv Kumar yadav, Manish Kumar Jain, Dinesh Kumar Patel (2018), "Monitoring of Air Pollution in Different Regions Along Road Network, Jharia Coalfield, Dhanbad, India in book : Environmental Pollution, Water Science and Technology Library 77, PP 125- 134, [https://doi.org/10.1007/978-981-10-5792-2\\_10](https://doi.org/10.1007/978-981-10-5792-2_10) , Springer Nature Singapore Pte Ltd. 2018, V.P. Singh et al. (eds.)
3. Shweta Kumari, Manish Kuamr Jain (2018), "A Critical Review on Air Quality Index" Environmental Pollution, Water Science and Technology Library 77, pp 87-102, [https://doi.org/10.1007/978-981-10-5792-2\\_8](https://doi.org/10.1007/978-981-10-5792-2_8) , Springer Nature Singapore Pte Ltd. 2018, V.P. Singh et al. (eds.)
4. Ritesh Kumar, M SunderRajan, Sadanand Sharma, Manish Kuamr Jain , "Coal Combustion Resdiues: Bulk Utilisation in Mining Areas amidst environmental Problems" in NexGen Technologies for Miningand Fuel Industries, ISBN : 978-93-85926-40-2, PP-1023-1032, Vol II.



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1. Jain Manish Kumar, Sastry B.S., (2003) "Settling Characteristics of Some Indian Fly Ash", Published in the Proceedings of, "3rd International Conference on Fly Ash Utilisation and Disposal" Vol. 1, 19-21 February, 2003, Central Board of Irrigation and Power (CBIP), New Delhi, PP II -34-40.
2. Jain Manish Kumar, Sastry B.S., (2006) "Fly Ash Properties and its Application in Mining Industry – A Critical Review" at "International Symposium on Environmental Issues of Mineral Industry" VNIT, Nagpur, 11-15 January, 2006, pp 67-75.
3. Jain Manish Kumar, Sastry B.S., (2007) "Paste Flow Behaviour of Indian Coal Fly Ash And Sand Mixtures For Mine Void Fill– A Laboratory Scale Investigation, " at 1st International Conferences on Managing the Social and Environmental Consequences of Coal Mining in India, organised by The Australian National University, Indian School of Mines University & University of New South Wales, Sydney at India International Centre, New Delhi, 19-21 November, 2007, pp-813-821.
4. Singh Gurdeep, Paul B, Jain Manish Kumar, Raju E.V.R., Das Gupta Rajarshi (2010) "Development of Geo-Environmental Rationale for Cauterization of Coal Mines for obtaining Comprehensive Environmental Clearance: A case Study of BCCL Lease Hold Areas" at 3rd Asian Mining Congress, Kolkata, 22-25, January 2010, pp 189-194.
5. Jain Manish Kumar (2010) "Application of Fly Ash in Mining Industry – A Critical Review" at 3rd Asian Mining Congress, Kolkata, 22-25, January 2010, pp 231-242.
6. Arpita Das, Manish Kumar Jain, Gurdeep Singh, (2010) "Environmental Assessment and utilization of coal combustion residues of Durgapur Project Limited (DPL)" International Conference on Mother Earth save it from future generations, February, 13-15 at University of Burdwan, West Bengal, India
7. Jain Manish Kumar, B Paul (2011) "Scientific Investigation for Assessment of Status of Underground Fire around Lodna Coke Plant of Lodna Area, BCCL" at International conference on Technological Challenges and Management Issues for Sustainability issues for Mining Industries, NIT Rourkela August 04-06, pp 277- 289
8. Paul B , Jain Manish Kumar (2011), "Environmental Impact Assessment of Sand Mining From River Beds- A CASE Study of Tata Steel Jharia Divison in Jharia Coalfield" at International conference on Technological Challenges and Management Issues for Sustainability issues for Mining Industries, NIT Rourkela, August 04-06, pp 395-406
9. Arpita Das, Manish Kumar Jain, Gurdeep Singh, (2011) "Leaching Study of coal Combustion Residues by Toxicity Characteristics Leaching Procedure" at 3rd International Conference on solid waste management (IconSWM 2011) pp 454-458
10. Avantika Chnadra, Manish Kumar Jain (2011) "Environmental Imapct Assessment and Mitigation Measures of Mine Waste Leachate Contaminants), at International Conference on climate change Forest Resource and Environment ( ICCFRE-2011), Univcersity of Kerla, Thiruvananthapuram, pp 235
11. Avantika Chnadra, Manish Kumar Jain (2012) "Impact of mine waste leach ate contaminants on municipal ecosystem of zone of influence" at 4th Asian Mining Congress, held at Hotel Hyatt organised by MGMI Kolkata, Jan 29-31, pp-172-183
12. Jain Manish Kumar, Biswajit Paul (2012) "Mining in India through Sustainable Development" at 4th Asian Mining Congress, held at Hotel Hyatt organised by MGMI Kolkata, Jan 29-31, pp-120-123
13. Manish Kumar Jain, Biswajit Paul (2012), "Assessment of status of underground Fire around a coke plant in Jharia Coalfields, India " at 9th International Mining History Congress, Johannesburg, South Africa, April 17-20, 2012.
13. Avantika Chandra, Manish Kumar Jain (2012), "Hydrogeochemical study and Environmental Impact of Coal Mining on Groundwater in Jharia Coalfield Area, India" at International Conference on Anthropogenic Impact on Environment and Conservation Strategy, Dept of Zoology, Ranchi University, Ranchi & Dept of Zoology and Botany, St. Xavier's College Ranchi, pp80.
14. Kumar V, Avantika Chandra, Manish Kumar Jain (2012), "Impacts of Coal Mining on Surface Environmental and Their Management" at International Conference on Energy and Environmental Issues in Non-Ferrus Industries: Complication of Benchmarks, organised by dept. Of Metallurgy and Materials Engineering, BESU, Shibpur, Dec 07-08, 2012, pp – 96-102
15. Jain Manish Kumar, (2013), "Sustainable Mining Practices in India" at 23rd World Mining Congress, Montreal, Canada, Aug-11-15, pid-158.
16. Jitin Rahul, Jain Manish Kumar (2013), "Effect of dust particles (Particulate Matter) on plants along the National Highway" at International Conference on Glo-Cal Crisis and Environmental Governance in North-Eastern Region of India, November, 11-13, 2013, Assam University, Silchar, Assam.
17. Yadav, S.K., Jain, M.K., and Gogai, L., (2015), "Assessment of particulate matter emissions from the heterogeneous traffic along road network", International Conference on Environment & Ecology, Kolkata, 2- 4

March 2015.

18. Yadav, S.K., Jain, M.K., and Patel, D.K, (2016), "Monitoring of air pollution in different region along road network, Jharia Coalfield, Dhanbad", India, International Conference on Water, Environment, Energy & Society, Bhopal, 15-18 March, 2016.
19. Yadav, S.K., Jain, M.K., Kumar R. and Rajan, Ritesh, M. S., (2016), "Variation of Air Quality Index along Road Network in Different Area, Dhanbad, India", India International Science Festival (IISF) - Young Scientists' Conclave (YSC), Dec 8-11, 2016, New Delhi.
20. Azeem Uddin Siddiqui, Manish Kumar Jain, (2020) "Accuracy assessment of support vector machine, random forest, and decision trees algorithms in Land use land cover mapping: Jharia Coalfield, India." National Conference on Recent Trends in Environmental Pollution and Disaster Risk Reduction (RTEPDRR-2020), PP-106-117

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1. Jain Manish Kumar, Sastry B.S., (2001) "Fly Ash Status in India and its Utilisation in Mining", Published in the Proceedings of "National Seminar on Environmental Issues and Waste Management in Mining and Allied Industries" February 23-24, 2001, Regional Engineering College, Rourkela, Orissa, India pp 74 -84.
2. Jain Manish Kumar, Sastry B.S., (2003)" Properties of Some Indian Fly Ash Relating to Mine Fill Applications ", Published in the Proceedings of, " National Seminar on Status of Environmental management in Mining Industry - SEMMI-2003", 17 -18 January 2003, Institute of Technology, Banaras Hindu University, Varanasi , pp 305 - 314.
3. Jade R. K., Sastry B. S., Jain M. K. , (2004) "Placer Heavy Mineral Mining - A Global Perspective" Published in the Proceedings of National workshop and seminar on " Sustainable Development of Coastal placer Minerals" (PLACER-2004), Organized by National Institute of small Mines, Kolkata in collaboration with Central Mining Research Institute Dhanbad at New Delhi, 31 January – 02 February, 2004. pp 101.111
4. Jain Manish Kumar, Sastry B.S., (2004) "Slurry Flow Behaviour of Fly Ash" Published in the Proceedings of International Conference on "Technology and Management for Sustainable Exploitation of Minerals and Natural resources" (TAMSEM 2004), Department of Mining Engineering, IIT Kharagpur, 5-7, February, 2004. pp 149-160.
5. Jain Manish Kumar, (2007), " Effect of polymer on settling behavior of some Indian fly ash" at " National Seminar on Industrial waste Management" Department of Chemistry, NIT Rourkela, 13 January 2007.
6. Rizwan Reza, Manish Kumar Jain, Gurdeep Singh (2008) "Surface Water Quality of Talcher – Angul Area of Orissa" at Conference on Emerging Trends in Mining and Allied Industries, Organised by Department of Mining Engineering, NIT Rourkela, 2-3, February, 2008, pp-207-214.
7. Jain Manish Kumar (2008) " Mine Closure and Information System" at 19th National Convention of Mining Engineers & National Seminar on Disaster in Mines, organised by The Institution of Engineers (India) Dhanbad local chapter in association with Department of Mining Engineering, ISMU, Dhanbad, 10-11 March, 2008. pp 205-210.
8. Arpita Das, Manish Kumar Jain, Gurdeep Singh (2009), " Fly Ash Production and Utilisation: An Indian Perspective" in National Seminar on "Recent Trends in emerging Frontiers of Physical Sciences" organized by Sindari College and BIT Sindari, Nov 02-03, pp 240-249.
9. Arpita Das, Manish Kumar Jain, Gurdeep Singh, (2011) " Comprehensive Characterization of Coal Combustion Residues with Particular Emphasis on Trace Elements Leaching" at All India Seminar on Advances in Mine Production and Safety organised by CIMFR, Dhanbad & Institution of Engineers Dhanbad chapter, August 26-27, pp 207-220
10. Arpita das, Manish Kumar Jain(2012)," Sustainable Management of Coal Combustion By-products through appropriate utilization" at National Seminar on Environmental Concerns and Sustainable Development: Issues and Challenges for India, March 2-4, pp33.
11. Arpita das, Manish Kumar Jain(2012),"Evaluation of long term leaching trend of ash from kathara captive thermal power plant, Jharkhand, India" at National Conference on Issues and Challenges of River Ganga Basin Management (ICRGBM-2012), March 26-28, pp52.
12. Kumar N, Jain M K , (2016) , "A review on heavy metal concentration and its health risk assessment comparison" in national conference at NIT Raipur during 2016.
13. Radha Rani, Manish Kumar Jain, (2016), "Coal Combustion Products: Indian Scenario" in National Conference on Sustainable Mining Practices at NIT Rourkela during December 2-3, 2016.

## **PAPER REVIEWED**

Sl. No.	Title of Publication	Name of Journal
1.	Fly ash Management: An Indian Perspective	Journal of Environmental Management, JEMA-D-08-00973
2.	The Indian perspective of utilizing fly ash in phytoremediation, phytomanagement and biomass production	Journal of Environmental Management, JEMA-D-08-00973
3.	Evaluation of the quality of a leachate produced at a landfill connected to an urban waste composting and recovery plant at alhendín	Journal of Environmental Management, JEMA-D-08-01099
4.	Log linear model for assessment of risk factors of occupational injuries in underground coal mines	Journal of Geology and Mining Research, JGMR-09-016
5.	Allocation of supplementary aeration stations in the Chicago waterway system for dissolved oxygen improvement	Journal of Environmental Management, JEMA – D - 10-00901
6.	Study of boron behaviour in two Spanish coal combustion power plants	Journal of Environmental Management, JEMA –D -11-00519
7.	The environmental impact of the Rodalquilar mining district in southeast Spain: pollutant spread, bioavailability, and phytotoxicity	Journal of Environmental Management, JEMA-D-11-00306
8.	Evaluation of the Air Quality Benefits of the Subway System in São Paulo, Brazil	Journal of Environmental Management, JEMA-D-11-01246R1
9.	Compensation of CH <sub>4</sub> emissions during tunneling works in Asturias: a proposal with benefits both for local councils and for the affected population	Journal of Environmental Management, JEMA-D-11-02350
10.	Source Identification and Characterization of Atmospheric Polycyclic Aromatic Hydrocarbons along the south-western coastal area of Taiwan - with A GMDH Approach	JEMA-D-12-01283
11.	Correlation between iron mobilization and emergence of VOCs in leachate at old landfills	JEMA-D-12- 02249
12.	A numerical flow analysis using the concept of inflow age for oxidation pond design	JEMA-D-12- 01509
13.	The role of remediation, natural alkalinity sources and physical stream parameters in stream recover	JEMA-D-12-02809
14.	Chemical, Mineralogical and Morphological Changes in Weathered Coal Fly Ash: A Case Study of a Brine Impacted Wet Ash Dump	JEMA-D-12-01487R1
15.	Spatial Changes of Estuary in Ernakulum District, Southern India for Last Seven Decades, using Multi- Temporal Satellite Data	JEMA-D-13-01693
16.	Rapid and effective decontamination of chlorophenol-contaminated soil by sorption into commercial polymers: concept demonstration and process modelling	JEMA –D-14-01709
17.	Organic fraction of municipal solid waste from mechanical selection: biological stabilization and recovery options	JEMA-D-14-02520

18.	Characteristics of H <sub>2</sub> S emission from aged refuse after excavation exposure	JEMA-D-14-02453
19.	Organic fraction of municipal solid waste from mechanical selection: biological stabilization and recovery options	JEMA-D-14-02520
20.	Inactivation of <i>Geobacillus stearothermophilus</i> spores by alkaline hydrolysis applied to medical waste treatment	JEMA –D-15-00590
21.	An Assessment of soil characteristics in the vicinity of Open Cast Coal Mine and its suitability for vegetative reclamation in Charhi and Kaju of Jharkhand, India	Journal of Environmental Biology- MRN/1002
22.	Change detection in LULC using remote sensing & GIS, International Journal of Advancement in Remote Sensing, GIS and Geography	511-1457-RV.DOCX
23.	S reactivity of an oil sands composite tailings deposit undergoing reclamation wetland construction	JEMA-D-15-00171
24.	Advances and challenges of incorporating ecosystem services into impact assessment: Reviewing the environmental and social impacts of a mining project	JEMA-D-15-01239
25.	Spatial modelling of landscape aesthetic potential in urban-rural fringes	JEMA-D-15-03359
26.	Web Based Real Time Environmental Monitoring System for Underground Coal Mines Using Wireless Sensor Network with Wifi ZigBee Technology	International Journal of Mining and Mineral Engineering
27.	Nitrogen Removal from Sanitary Landfill Leachate by Biological Nitrification and Denitrification: Assessment of Kinetic Parameters and Characterization of the Bacterial Communities	JEMA-D-16- 00730
28.	Magnetic Susceptibility as a Proxy for Pollution in Triveni-Bandel Area, Hooghly District, West Bengal, India	Current Science-17971
29.	Daily PM <sub>2.5</sub> concentration prediction based on principal component analysis and LSSVM optimized by cuckoo search algorithm	JEMA –D-16-00642
30.	Status of Particulate Matter pollution in India - A Review in Current Nutrition & Food Science	
31.	Optimization of HNO <sub>3</sub> leaching of Cu from old AMD athlon processors using response surface methodology	JEMA-D-17-02846
32.	Spatial-temporal variations and mineral dust fractions in particulate matter mass concentrations in an urban area of northwestern China	JEMA-D-17-03880
33.	Harnessing the Bio-mineralization Ability of Urease Producing <i>Serratia marcescens</i> and <i>Enterobacter cloacae</i> EMB19 for Remediation of Heavy Metal Cadmium (II)	JEMA-D-02956
34.	The effects of transboundary air pollution following major events in China on air quality in the U.S.: Evidence from Chinese New Year and sandstorms	JEMA-D-17-03767
35.	Effect of Fabrication Process and Binder on the Properties of Fly Ash Aggregate	CCGP-D-18-00008
36.	Characterization and Utilization of Coal Fly ash: A Review	Emerging Materials Research, EMR-D-18-00097
37.	Households' solid waste management: the determinants of solid waste disposal options and source separation behaviour in a Millenium City.	Journal of Environmental Management,( JEMA-D-19-04159)

38.	Plastic/packaging waste separation from MSW and its conversion and used as value-added products in different applications- A eco-sustainable approach - A Review, (Article Id:IJEMS-42)	Indian Journal of Engineering and Materials Sciences (IJEMS)
39.	Assessment of Heavy Metal Removal in Different Bio-electrochemical Systems – A Review	Journal of Hazardous, toxic and radioactive waste (HZENG-778)
40.	Variations of aerosol optical depth over the West Africa Sahel region	International Journal of Engineering and Science Technology JEST-D-20-01973
41.	Spatial variation, water quality and health risk assessment of trace elements in groundwater in Beijing and Shijiazhuang, North China Plain	Environmental Science and Pollution Research (ESPR-D-20-12980)
42.	PM10 exposure assessment, its relationship with respiratory, cardiovascular and tuberculosis diseases in the city of Zabol, Iran	International Journal of Environmental Science and Technology (JEST-D-21-00490)

### Monograph

S. No.	Name	Book	Total pages	Publisher
1	Fly Ash Status and Utilisation in India	Monograph	116	ENVIS centre on Environmental Problems of Mining funded by MoEF , ISSN 0972-4656

### MEMBER OF EDITORIAL TEAM

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1.	MINENVIS, Newsletter	55	Dec. 2007	Protection against Mining and Degradation of Land: Role of Judiciary
2.	MINENVIS, Newsletter	56	March 2008	Acid Mine Drainage
3.	MINENVIS, Newsletter	58	Sept. 2008	Best Management Practices In Mining
4.	MINENVIS, Newsletter	59	Dec. 2008	Reconfiguring the Global Mining Industry - for Giant Leaps in Performance
5.	MINENVIS, Newsletter	60	March 2009	Environmental Issues with Best Management Practices of Responsible
6.	MINENVIS, Newsletter	64	March 2010	Suitability of Fly Ash as a Mine Void Fill Material – A Critical Review
7.	MINENVIS, Newsletter	65	June 2010	Mine Fires: Implications and Control Aspects
8.	MINENVIS, Newsletter	68	March 2011	
9.	MINENVIS, Newsletter	69& 70	June & September 2011	Status of fire at Jharia coalfield
10.	MINENVIS, Newsletter	71	December 2011	Ground water problems
11.	MINENVIS, Newsletter	72	March 2012	Mine Waste
12.	MINENVIS, Newsletter	73	June 2012	Sustainable Mining
13.	MINENVIS, Newsletter	74	September 2012	Social Aspects of Mining
14.	MINENVIS, Newsletter	75 & 76	December 2012 & March 2013	Environmental Aspects of Mining
15.	MINENVIS, Newsletter	77	June 2013	Remediation of Mine Waste
16.	MINENVIS, Newsletter	78	September 2013	Water Treatment
17.	MINENVIS, Newsletter	79	December 2013	Sustainable Development

18.	MINENVIS, Newsletter	80	March 2014	Air Pollution
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26	MINENVIS, Newsletter	87	December 2015	Environmental issues with chromite mining
27	MINENVIS, Newsletter	88	March 2016	Surface water quality of mining region
28	MINENVIS, Newsletter	89	June 2016	Biodiversity of Mining Areas

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