

LIST OF PUBLICATIONS

INTERNATIONAL JOURNAL

Sl. No	Year	Guide Status	Name of Authors	Title of Publication	Name of Journal	Indexed in	Impact Factor	SIR	WoS
56	2026	Principal Guide	Jayati Priya , Manish Kumar Jain , Navneet Singh Randhawa	Comprehensive physicochemical characterization and property-process matrix for valorizing copper extraction wastes: Enabling technology selection and screening-level resource classification	Cleaner Engineering and Technology 33 (2026) 101281 https://doi.org/10.1016/j.clet.2026.101281	SCI & Scopus	7.3	Q1	Q1
55	2026	Sole Guide	Shravan Kumar · Manish Kumar Jain	Interrelationship Between Indoor Air Quality and Indoor Dust in Four Schools across Dhanbad City, India	Aerosol Science and Engineering https://doi.org/10.1007/s41810-026-00385-w	SCI & Scopus	2.0	Q3	Q3
54	2025/2026	Sole Guide	Jitin Rahul · Manish Kumar Jain · Beenu Raj · Mansi Sharma · Shiv Shankar · Aliya Naz · Abhiroop Chowdhury	Heavy Metal Accumulation on the Roadside Plant Species with Ethnobotanical Significance and Human Health Risk Assessment: A Case Study of a Major Highway Near the Coal Capital of India	International Journal of Environmental Research ISSN 1735-6865 (2026) 20:77 https://doi.org/10.1007/s41742-025-01040-x (2026) 20:77	SCIE & Scopus	3.5	Q2	Q3
53	2025/2026	Sole Guide (C.A.)	Wilson Kanduluna, Manish Kumar Jain,	Proximity analysis of the impact of coal fire on surface urban heat Island in Jharia coal mining region of Eastern India	Theoretical and Applied Climatology (2026) 157:30 Journal ISSN: 0177-798X https://doi.org/10.1007/s00704-025-05973-3	SCIE & Scopus	2.7	Q2	Q2
52	2025/2026	Sole Guide (C.A.)	Wilson Kanduluna, Manish Kumar Jain,	Evaluating the Dynamics of Urban and Rural Areas	Journal of the Indian Society of Remote Sensing	SCIE & sCOPUS	2.2		Q3

				Adjacent to the Coal Mining Region of Eastern India Using Landsat Time Series Data	https://doi.org/10.1007/s12524-025-02382-x				
51	2025	Sole Guide (C.A.)	Wilson Kanduluna, Manish Kumar Jain, Y P Chugh, Siddhartha Agarwal	Spatial Variability of Land Surface Temperature of a coal Mining Region Using a Geographically weighted Regression Model: A case Study	LAND , (ISSN 2073-445X <i>Land</i> 2025, 14(4), 696; https://doi.org/10.3390/land14040696 MDPI	SSCI & Scopus	4.9	Q1	-
50	2025	Principal Guide (C.A.)	Silvia Dutta, Manish Kumar Jain, Dheeraj Kumar	Evaluation of Soil Heavy Metals in Raniganj Open-Cast Coal Mines in India: Spatial Distribution, Positive Matrix Factorization and Monte Carlo Simulation	Process Safety and Environmental Protection Springer ISSN / eISSN 0957-5820 / 1744-3598 Volume 194 , February 2025, Pages 1038-1055 https://doi.org/10.1016/j.psep.2024.12.039	SCI, Thomson & Reuters and Scopus indexed	6.9	Q1	Q1
49	2025	Principal Guide (C.A.)	Priya, J., Jain, M.K., Randhawa, N.S.	Copper Extraction Process Waste: A Source of Critical Metals	Lecture Notes in Civil Engineering, 2025, 542 LNCE, pp. 91–99, Print ISSN 2366-2557 DOI 10.1007/978-981-97-6024-4_6	Scopus			
58	2024	Principal Guide (C.A.)	Priya, J., Randhawa, N.S., Jain, M.K.	Copper Slag as a Source of Iron: An Overview	Springer Proceedings in Physics, 2024, 308 SPPHY, pp. 28–38	Scopus			
47	2024	Sole Guide (C.A.)	Shravan Kumar, Manish Kumar Jain	A comparative study of health risks of selected potentially toxic metals in household dust from different socio-economical	Air Quality, Atmosphere & Health ISSN 18739318 Volume 17, Issue 7, Pages 1547 – 1564, July 2024,	SCI, Thomson & Reuters and Scopus indexed	5.1	Q1	Q2

				houses of Dhanbad city, India	Online published February19, 2024 Springer https://doi.org/10.1007/s11869-024-01527				
46	2022	Sole Guide (C.A.)	Shravan Kumar, Manish Kumar Jain	Characterization and morphometric study of household settled dust: A Case study in Dhanbad, the coal capital of India	Applied Geochemistry ISSN: 0883-2927 Volume 144, September 2022, 105398 https://doi.org/10.1016/j.apgeochem.2022.105398	SCI, Thomson & Reuters and Scopus indexed	3.841	Q2	Q2
45	2022 Online published	Principal Guide	Shweta Kumari, Suresh Pandian Elumalai, Manish Kumar Jain	A comparison of soot emitted from school buses and shared auto- rickshaws in Indian tier-II city	Environmental Forensics Taylor and Francis ISSN 1527-5922 https://doi.org/10.1080/15275922.2022.2047835	SCI, Thomson & Reuters and Scopus indexed	1.328	Q3	Q4
44	2022	Principal Guide	Shweta Kumari, Suresh Pandian Elumalai, Manish Kumar Jain	Study on effect of tire burning on particulate matter concentration and respiratory deposition doses to the workers and inhabitants during road pavement activity	Air Quality, Atmosphere & Health ISSN: 1873-9318 Vol. 15(8), pp. 1413–1426 https://doi.org/10.1007/s11869-022-01170-7	SCI, Thomson & Reuters and Scopus indexed	3.573	Q2	Q2
43	2022	Sole Guide (C.A.)	Shravan Kumar, Manish Kumar Jain	Interrelationship of Indoor particulate matter and Respiratory dust depositions of women in the residence of Dhanbad City, India.	Environmental Science and Pollution Research Volume 29, Issue 3, Pages 4668 – 4689 ISSN: 0944-1344 DOI: 10.1007/s11356-021-15584-w	SCI, Thomson & Reuters and Scopus indexed	2.914	Q2	Q2
42	2021 (2022)	Sole Guide (C.A.)	Dinesh Kumar Patel, Manish Kumar Jain	Contamination and Health Risk Assessment of Potentially Harmful Elements associated with Roadside Dust in Dhanbad India	Stochastic Environmental Research and Risk Assessment Vol 36(2), pp389-407 ISSN/EISSN 1436-3240/1436-3259 DOI -10.1007/s00477-021-02061-6	SCIE/Scopus	3.379	Q1	Q3

41	2021	Principal Guide	Ravi Ranjan Kumar , Koteswara Rao Vankayalapati , V. K. Soni1 , Hari Prasad Dasari , M. K. Jain , Arpit Tiwari , R. K. Giri , Srinivas Desamsetti	Comparison of INSAT-3D retrieved total column ozone with ground-based and AIRS observations over India	Science of the Total Environment ISSN: 0048-9697 793 , 148518 DOI 10.1016/j.scitotenv.2021.148518	SCI, Thomson & Reuters and Scopus indexed	5.5819	Q1	Q1
40	2020	Principal Guide (C.A.)	Azeem Uddin Siddiqui, Manish Kumar Jain	Change analysis in land use land cover due to surface mining in Jharia coalfield through Landsat time series data	Materials Today: Proceedings ISSN: 2214-7853 Vol 49, part 8 , pp 3462-3468 https://doi.org/10.1016/j.matpr.2021.04.277	Scopus	0.576		
39	2020	Sole Guide (C.A.)	Shravan Kumar, Manish Kumar Jain	Exposure to Particulate Matter and CO2 in indoor conditions at IIT(ISM) Dhanbad	Materials Today: Proceedings ISSN: 2214-7853 Vol 49, part 8 , pp 3469-3473 https://doi.org/10.1016/j.matpr.2021.04.496	Scopus	0.576		
38	2021	Sole Guide	Yuvraj Singh, Manish Kumar Jain	Assessment of physicochemical parameters and metal contents of Mansagar lake of Jaipur	Environmental Earth Sciences ISSN 1866-6280 Vol. 80(7), 284 https://doi.org/10.1007/s12665-021-09576-9	SCIE	2.180	Q2	Q2
37	2021(2022)	Sole Guide (C.A.)	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, Vol 19(5), pp 4107-4122 ISSN: 1735-1742 10.1007/s13762-021-03266-6	SCIE	2.540	Q2	Q2
36	2021	Sole Guide	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 (2022)	Principal Guide	Azeem Uddin Siddiqui,	Distribution of some potentially toxic elements in	Land Degradation & Development	SCI, Thomson & Reuters and	4.977	Q1	Q1

		(C.A.)	Manish Kumar Jain, Reginald Ebbin Masto,	the soils of Jharia Coalfield: A probabilistic approach for source identification and risk assessment	33(2), pp. 333–345 ISSN: 1085-3278 Online ISSN:1099-145X Doi: https://doi.org/10.1002/ldr.4155 © John Wiley & Sons Ltd	Scopus indexed			
34	2021	Principal Guide	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 Vol. 45 Part 6, 4483-4489 https://doi.org/10.1016/j.matpr.2020.12.989	Scopus	0.576		
33	2021	Principal Guide (C.A.)	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 Dhanbad	Journal of Health And Pollution ISSN :2156-9614 Vol 11, No 29, March 2021	Scopus /ESCI	0.37	Q3	-
32	2020	Co-Guide	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	Principal Guide	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, 10.1016/j.scitotenv.2020.138060	SCI, Thomson & Reuters and Scopus indexed	5.5819	Q1	Q1
30	2020	Principal Guide	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 https://doi.org/10.1016/j.scitoten.2019.136433	SCI, Thomson & Reuters and Scopus indexed	5.5819	Q1	Q1
29	2020	Principal Guide (C.A.)	Azeem Uddin Siddiqui, Manish Kumar Jain,	Pollution evaluation, spatial distribution, and source apportionment of trace metals	Environmental Science and Pollution Research Vol 27, No. 10, pp 10822-10834	SCI, Thomson & Reuters and	2.914	Q2	Q2

			Reginald Ebhin Masto,	around coal mines soil: The case study of eastern India	ISSN: 0944-1344 DOI: 10.1007/s11356-019-06915-z	Scopus indexed			
28	2019	Principal Guide	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	Sole Guide	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	Asian Journal of Conservation Biology, July 2019. Vol. 8 No. 1, pp. 2-14 ISSN 2278-7666	Thomson Reuters and Scopus			
26	2020	Sole Guide (C.A.)	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	Sole Guide (C.A.)	Ambikesh Kumar Mishra, Manish Kuamr Jain, Suvendu 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	Principal Guide	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 https://doi.org/10.1080/10106049.2019.1594395	SCI, Thomson & Reuters and Scopus indexed	3.789	Q2	Q2
23	2019	Principal	Krishnendu Banerjee,	Landsat 8 OLI Data for	Current Science,	SCI, Thomson	0.967	Q2	Q3

		Guide	Manish Kumar Jain, A.T Jeyaseelan and Surajit Panda	Identification of Hydrothermal Alteration Zone in Singhbhum Shear Zone (SCZ) Using Successive Band Depth Difference Technique, A new image processing approach	Vol 116, No. 10 pp 1639-1647 ISSN: ISSN: 0011-3891 doi: 10.18520/cs/v116/i10/1639-1647	& Reuters and Scopus indexed			
22	2019	Principal Guide	Shruti Mishra, L B Chaudhary, M K Jain, Vipin Kumar	Interaction of abiotic factor on soil CO ₂ 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	Principal Guide	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: 2010-0264 doi: 10.18178/ijesd.2019.10.4.1156	Scopus	0.49		
19	2018	Sole Guide	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	Sole Guide	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	Principal Guide	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	Principal Guide	Krishnendu Banerjee, Manish Kumar Jain	Copper Ore Identification Using Spectral Similarity Measurement from Hyperion	Journal of the Geological Society of India, DOI: 10.1007/s12594-018-0842-	SCI, Thomson & Reuters and Scopus	0.547	Q3	Q4

				Image, Mapping of Propahary Copper Mineralized Zone	9, ISSN: 0016-7622, Vol 91, issue 2, pp 239-247	indexed			
15	2017	Principal Guide	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.2017.10.020 7, ISSN 0974-5904, Vol. -10, N0.-02, pp 180-184	Scopus Indexed, SJR-0.168	0.042		
14	2017	Sole Guide	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	Principal Guide (C.A.)	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	Sole Guide (C.A.)	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/v112/101/131-139	SCI, Thomson & Reuters and Scopus indexed	0.967	Q2	Q3
11	2016	Sole Guide	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	Sole Guide	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	Sole Guide	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	Co-Guide	Sumit Choudhary, Dheeraj Kumar, Manish Kumar Jain	Performance analysis of hyperspherical colour sharpening method for IRS satellite images	The Imaging Science Journal, DOI: 10.1080/13682199.2016.119089 8	Taylor & Francis Ltd. Published online	0.30	Q2	Q4

					ISSN: 1368-2199, ISSN: 1743-131X Vol 64, issue 6, pp 305-312				
6	2015	Sole Guide	Jitin Rahul, Manish Kumar Jain	Floristic Assessment of the Important Least Concern Plant Species with Taxonomic Descriptions along the National Highway	Brazilian Journal of Botany, Springer Link: ISSN: 1806-9959 https://doi.org/10.1007/s40415-015-0184-4 , Vol 38, issue 4	SCI, Thomson & Reuters and Scopus indexed	1.385	Q3	Q4
5	2015	Sole Guide	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
3	2012	Principal Guide	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		
1	2002	As Scholar (C.A.)	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

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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 Applications	The Indian Mining & Engineering Journal, ISSN 0019-5944, Vol 58, No 09	UGC Approved Journal-20912	
13	2017	Radha Rani, Manish Kumar	A review on sustainable	Journal of Mines Metals and	Scopus Indexed	

		Jain	approach for management of fly ash in different sectors: Indian scenario	Fuels, ISSN - 0022-2755, Vol. 65, No.-1, pp 31-37 SJR - 0.198, SNIP -0.1264		
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 14		
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. Shravan Kumar, Manish Kumar Jain (2026), Harmful Effects of Indoor Air Pollution on Women, in Harnessing Computational Power to Tackle Air Pollution, Springer Nature Link, pp 253-267. <https://doi.org/10.1007/978-3-032-13953-5#DOI>
2. Jayati Priya, Navneet Singh Randhawa, and Manish Kumar Jain(C) (2024) (Copper Slag as a Source of Iron: An Overview) Proceedings of the International Conference on Fundamental and Industrial Research on Materials iConFIRM 2023, 11–14 December, Ropar, India Springer Proceedings in Physics https://doi.org/10.1007/978-981-97-4557-9_4
3. 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.
4. 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 , Springer Nature Singapore Pte Ltd. 2018, V.P. Singh et al. (eds.)
5. 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 , Springer Nature Singapore Pte Ltd. 2018, V.P. Singh et al. (eds.)
6. Ritesh Kumar, M SunderRajan, Sadanand Sharma, Manish Kumar Jain , “Coal Combustion Residues: Bulk Utilisation in Mining Areas amidst environmental Problems” in NexGen Technologies for Mining and 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
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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
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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 ₄ 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	JEMA-D-14-02520

	selection: biological stabilization and recovery options	
18.	Characteristics of H ₂ 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 Kuju 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 _{2.5} 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 ₃ 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	Journal of Environmental

	solid waste disposal options and source separation behaviour in a Millenium City.	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)
43.	Delineation of groundwater potential using Sentinel-2, groundwater estimation and recharge potentials from Uttar Pradesh, India	International Journal of Environmental Science and Technology (JEST-D-21- 01519)
44.	Source apportionment and health risk assessment for potentially toxic elements in size fractionated road dust in Busan Metropolitan City, Korea	Environmental Monitoring and Assessment (EMAS-D-21-023760)
45.	Trace metals in agricultural soils of the Gboko district central Nigeria: ecological risk and source apportionmentTrace metals in agricultural soils of the Gboko district central Nigeria: ecological risk and source apportionmen	Environmental Monitoring and Assessment (EMAS-D-21-00824)
46.	Generating daily synthetic remote sensing products suitable for surface heat island and heatwaves assessment at urban scale	International Journal of Environmental Science and Technology (JEST-D-22-00821) & (JEST-D-22-00821R1)
47.	Estimation of Land Surface Temperature from Landsat-8 OLI. Comparative Analysis of Two Periods for Duzce in Turkey.	International Journal of Environmental Science and Technology (JEST-D-22-01598)
48.	Source apportionment and risk assessment of heavy metals in urban soils from a Central China city by using Positive matrix factorization model coupled with Monte Carlo simulation	Stochastic Environmental Research and Risk Assessment (SERR-D-22-00205 & SERR-D-22-00205R1)
49.	The effects of short-term PM2.5 exposure on pulmonary function among children with asthma——A panel study in Shanghai, China	International Journal of Environmental Research and Public Health, (ijerph-1873999)

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

Sl. No	Particulars	Volume Number	Period	Description
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
19.	MINENVIS, Newsletter	81	June 2014	Reclamation
20.	MINENVIS, Newsletter	82	September 2014	Quality of Life in and around Mining Project
21.	MINENVIS, Newsletter	83	December 2014	Problems of Air Pollution in Mining areas
22.	MINENVIS, Newsletter	84	March 2015	Ground Water Problems in Mining area
23.	MINENVIS, Newsletter	85	June 2015	Carbon Sequestration in Degraded Mine Lands
24.	MINENVIS, Newsletter	86	September 2015	Environmental Impact Assessment of Mining Projects
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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