

LIST OF PUBLICATIONS

INTERNATIONAL JOURNAL

1. Jain Manish Kumar, Saxena N.C., (2002)"Air Quality Assessment along Dhanbad - Jharia Road ", in an International Journal "Environmental Monitoring and Assessment" Netherlands Vol. 79 Issue 3, November, 2002, pp- 239-250. Springer, ISSN: 0167-6369, Citation-14, IF-1.592(**SCI, Thomson & Reuters and Scopus indexed**). DOI: 10.1023/A:1020278610521.
2. Rizwan Reza, Manish Kumar Jain, Gurdeep Singh (2009) , “ Pre and Post Monsoon variation of heavy metals concentration in ground water of Angul- Talcher Region of Orissa, India” in an International Journal “ Nature and Science” ISSN: 1545-0740, Vol. 7 – No. – 6, pp 52-56. (**Google Scholar**).
3. Gurdeep Singh, Manish K. Jain, Biswajit Paul, Rajarshi Das Gupta and E.V.R. Raju. (2010), “Clusterization of Mines for Obtaining Comprehensive Environmental Clearance: A Case Study of BCCL Lease Hold Areas”. Int. Jr. of Indian School of Mines, Special Volume 2010, pp.13-27.
4. Venkatesh A., Gurdeep Singh, D. Venkata Reddy and Manish K Jain (2010)“Air Quality Assessment of Dhanbad District, India - A Case Study” Int. Jr. of Earth Sciences and Engineering, 03(03):409-415, June. H-Index-2, SJR 0.16. (**Scopus Indexed**)
5. Rizwan Reza, Gurdeep Singh and M. K. Jain (2011). Application of Heavy Metal Pollution Index for Ground Water Quality Assessment in Angul District of Orissa, India. International Journal of Research in Chemistry and Environment, 1 (2) ISSN : 0976-4402 pp118-122 (**Google Scholar**).
6. Arpita Das, Manish Kumar Jain, Gurdeep Singh, (2011) “ Comprehensive Characterization of coal fly ash for beneficial utilisation towards environment” The Ecoscan, An International Quarterly Journal of Environmental Science, Vol 5 No. 3&4; ISSN: 0974-0376, pp 127-130.,(**Google Scholar**). **Citation - 03**
7. Arpita Das, Manish Kumar Jain, Gurdeep Singh, (2012) “ Long term leaching study of coal combustion by products for effective utilization” The Ecoscan, An International Quarterly Journal of Environmental Science, Special issue, ISSN: 0974-0376, pp 109-112.,(**Google Scholar**).
8. Arpita Das, Manish Kumar Jain, Gurdeep Singh, (2012) “Investigation of Long Term Leaching Characteristics of Coal Combustion By-products from Mejia Thermal Power Station, India” at “International Journal of Earth Sciences and Engineering, Vol. 5, No 2 April ; ISSN 0974-5904 pp. 305-313 **SJR I.F.-0.160, SNIP-.284, (Scopus Indexed)**.
9. Avantika Chandra, M. K. Jain (2013), “ Evaluation of Heavy Metals Contamination due to overburden Leachate in Groundwater of Coal Mining Area” Journal of Chemical, Biological and Physical sciences, Sec, D, Vol 3, No. 3, ISSN: 2317-2322(An international peer review E-3 Journal of sciences), (**Google Scholar**), **IF-0.72**.
10. Surajit Panda, Krishnendu Banerjee, Ratnesh Sharma, Manish Kumar Jain, A.T Jeyaseelan, (2014), “Measurement of Urban Growth and Spatial Dynamics in a Rapid Growing Saltlake City of Kolkata Using GIS”,International Journal of Remote Sensing and GIS, Volume 3, Issue 2, 2014, pp-10-17. ISSN 2277-9051, (**Google Scholar**).
11. Surajit Panda, Krishnendu Banerjee, Manish Kumar Jain, Ratnesh Sharma (2014), Seamless Slope Generation from Cartosat-1 Stereo DEM of Noamundi of Jharkhand and its surrounding Areas Using Geospatial Technology” International Journal of Research in Advent Technology, Vol 2 , No-6, June, EISSN: 2321-9637.(**Google Scholar**).
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13. Surajit Panda, Krishnendu Banerjee, Manish Kumar Jain, Dr. A.T Jeyaseelan, Ratnesh Sharma, (2014),,,” Mapping of Iron Mining of Noamundi Area, Jharkhand by using the image Based NDII and Geospatial Technology” International Journal of innovation and scientific Research, ISSN 2351-8014, Vol 7, No-1, Aug, pp-5-10, , **S J Impact Factor-3.5. (Google Scholar)**.
14. Jitin Rahul, Manish Kumar Jain, (2014), “ An investigation into the Impact of Particulate Matter on vegetation along the National Highway: A review” Research Journal of Environmental Sciences, Vo, 8(7), pp 356-372, ISSN 1819-3412, Academic Journals Inc, New York, USA . DOI:10.3923/rjes.2014. (**Thomson & Reuters**).

15. Aakash Dwivedi and Manish Kumar Jain, (2014) "Fly ash – waste management and overview: A Review" *Recent Research in Science and Technology* 2014, 6(1): pp- 30-35 ISSN: 2076-5061 Available Online: <http://recentscience.com>. **(Google Scholar)**.
16. Krishnendu Banerjee, Surajit Panda, Jatisankar Bandyopadhyay, Manish Kumar Jain, (2014), "Forest Canopy Density Mapping Using Advance Geospatial Technique" *International Journal of Innovative Science & Technology*, Vol. 1, Issue 7 September 2014, pp-358-363, ISSN 2348-7968. **(Google Scholar)**.
17. Jitin Rahul, Manish Kumar Jain, (2014), "Documentation of floristic inventory along the national highway: a case study of Dhanbad district, Jharkhand, India" *Journal of Biodiversity and Environmental Sciences (JBES)*, Vol. 5, No-6, pp-241-247, ISSN: 2220-6663(print), 2222-3045(online), Impact Factor- 1.356, International Network for Natural Sciences (INNSPUB). **(Thomson & Reuters)**.
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19. Krishnendu Banerjee, Surajit Panda, Manish Kumar Jain, (2014), "Identification and Mapping of Copper Mining Area in Singhbhum Copper Belt Using Advance Image Processing Techniques, " *International Journal of Science and Research*, Vol. 3, Issue 6, pp: 1404-1407, June, ISSN (online):2319-7064, **S J Impact Factor: 3.358. (Google Scholar)**.
20. Jitin Rahul, Manish Kumar Jain, Shishu Pal Singh, Rakesh Kant Kamal, Anuradha, Aliya Naz, Anup Kumar Gupta, Sujeet Kumar Mrityunjay, (2015), "Adansonia digitata L. (Baobab): A review of Traditional Information and Taxonomic Description" *Asian Pacific Journal of Tropical Biomedicine* , Vol. 5 (1), pp 79-84, SNIP-1.171, SJR-0.456 ISSN: 2221-1691, **(SCI, Thomson & Reuters and Scopus indexed)**. DOI: **10.1016/S2221-1691(15)30174-X (Elsevier)**
21. Radha Rani, Manish Kumar Jain, (2015). "Physiochemical and Engineering characteristics of fly ash and its application in various field - a review" *Journal of Biodiversity and Environmental Sciences (JBES)*, **Vol. 6 no 2, pp-161-174, ISSN: 2220-6663(print), 2222-3045(online), Impact Factor- 1.356, International Network for Natural Sciences (INNSPUB)**. **(Thomson & Reuters)**.
22. Avantika Chandra, Vipin Kumar, Manish Kumar Jain, (2015), "The Seasonal Changes in soil properties due to coal mine impacts" *Carpathian Journal of Earth and Environmental Sciences, February, Vol 10, No.1, pp 241-248. ISSN (print): 1842-4090, ISSN (online) – 1844-489X, (SCI, Thomson & Reuters and Scopus indexed)*. I.F. - 0.727
23. Jitin Rahul, Manish Kumar Jain, (2015), "Floristic Assessment of the Important Least Concern Plant Species with Taxonomic Descriptions along the National Highway" **(SCI, Thomson & Reuters and Scopus indexed)**, at *Brazilian Journal of Botany*, ISSN: 1806-9959, Springer Link, DOI: 10.1007/s40415-015- 0184-4, **Impact Factor-1.385**, pp 851-864.
24. Krishnendu Banerjee, Surajit Panda, Manish Kumar Jain, AT Jeyaseelan, (2015) , "Surface Water Management of Pandaveswar Block by Remote Sensing & GIS Techniques " *International Journal for Scientific Research & Development* | Vol. 3, Issue 05, pp 271-278, ISSN- 2321-0613.
25. Surajit Panda, Krishnendu Banerjee, Manish Kumar Jain, Sanjay Kumar Shaw (2015), "Estimation of Bedrock Peak Ground Acceleration for Bagmati Area, Nepal by using GIS Technique " at *International Journal of Earth Science and Engineering*, ISSN 0974-5904, Vol. -08, NO.-06, pp 2588-2593, **Impact Factor-0.042 (Scopus Indexed, SJR-0.168)**
26. Sumit Choudhary, Dheeraj Kumar, Manish Kumar Jain (2016), "Performance analysis of hyperspherical colour sharpening method for IRS satellite images" at " *The Imaging Science Journal* " **(SCI, Thomson & Reuters and Scopus indexed)**, ISSN: 1368-2199 (print), ISSN: 1743-131X (electronic version), Impact Factor – 0.30, Taylor & Francis Ltd. Published online, DOI: 10.1080/13682199.2016.1190898.
27. Avantika Chandra, Vipin Kumar, Manish Kumar Jain, (2015), "Impact of open cast coal mining on groundwater quality around Jharia coalfield area, India" *Journal of Environmental Science and Engineering*. ISSN 0367-287X **(Scopus Indexed)** (H Index =19), SNIP-0.290.
28. **Kumar V., Chandra A., Behera A. and Jain M. K. (2015) "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 **(Scopus Indexed)** (H Index =19), SNIP-0.290.**
29. Radha Rani, Manish Kumar Jain, (2016). "Coal Combustion Product – Non Hazardous Material for Mine Fill" accepted for publication at *Environmental Quality Management*, ISSN: 1088-1913, Vol 23, No 4, PP-

- 107-119, John Wiley and Sons Inc. SJR-0.16, IPP-0.240, SNIP-0.303(**Scopus Indexed**). DOI: 10.1002/tqem.21469.
30. Rahul, J., and Jain, M.K. (2016). 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, **Impact Factor: 1.817, (SCI, Thomson Reuters & Scopus)**.
 31. Shiv Kumar Yadav, Manish Kumar Jain, (2017), "Exposure to particulate matter in different region along road network, Jharia Coalfield, Dhanbad, India", accepted for publication at "Current Science", ISSN: ISSN: 0011-3891. Vol 112, No. 1 PP 131-139, doi:10.18520/cs/v112/1/131-139, **Impact Factor-0.967, (SCI, Thomson & Reuters and Scopus indexed)**.
 32. **Arpita Das, Manish Kumar Jain, (2017), "Impact of Mine Waste Leachates on Aquatic Environment: A Review" Current Pollution Reports (Springer). ISSN: 2198-6592 (electronic version), DOI: 10.1007/s40726-017-0050-z.**

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2. Jain Manish, B S Sastry, (2006)"Hydraulic Transportation of Fly Ash - a Laboratory Scale Investigation" By Journal of Mines, Metals and Fuels Vol.54, No.6&7, Jun. (**Scopus Indexed**)SJR-0.16,ISSN: 0022- 2755.
3. Rizwan Reza, Jain Manish Kumar, Gurdeep Singh (2009), " Impact of Mining Activities on Surface Water Quality in Angul – Talcher Region of Orissa, India " in "Mining Engineer's Journal" Vol.10 No. 11 June 2009. pp. 22-28., ISSN 0975-3001(**Google Scholar**). **Citation 5**
4. Jain Manish Kumar (2010) "Suitability of Fly Ash as a Mine Void Fill Material - A Critical Review" MINENVIS News Letter No. 64, March 2010, pp 1-6.
5. Jain Manish Kumar, B Paul (2011) "Jharia Coalfield – A Retrospection" MINENVIS News Letter No. 69& 70, June & September 2011, pp 1-8.
6. Arpita Das, Jain Manish Kumar, Gurdeep Singh (2012), " Engineering Properties of Coal Ash for Mine Filling Application", Mining Engineer's Journal, Vol. 13, No. 12, July , pp-20-23, ISSN 0975- 3001(**Google Scholar**).
7. Vipin Singh Rawat, Jain Manish Kumar (2014), "Flow Properties of Fly Ash through Viscometer with Reference to Mine Filling" "The Indian Mining & Engineering Journal" Vol. 53, No. 04, April, pp 20-28. The IME Publications, ISSN 0019-5944. (**Google Scholar**).
8. Avantika Chandra, M. K. Jain, V Kumar (2014)," Impact Studies of Coal Mining on Microbiological Population in Soil at and around the coal Mines" "The Indian Mining & Engineering Journal" Vol. 53, No. 05, May, pp 26-29. The IME Publications ISSN 0019-5944(**Google Scholar**).
9. Avantika Chandra, M. K. Jain, V Kumar (2014)," Quality index of surface water near overburden dumping site in coal mining area" in "Mining Engineer's Journal" Vol.15 No. 11 June 2014. pp 18-22, ISSN 0975- 3001. (**Google Scholar**).
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11. Avantika Chandra, Manish Kumar Jain, Vipin Kumar (2015), "Impacts of mine waste leachate on water quality in coal mining area with emphasis to heavy metals contamination" Journal of Mines Metals and Fuels, (**Scopus Indexed**), Vol 63, No.-4, pp 104-108, ISSN - 0022-2755, SJR -0.198, SNIP – 0.1264.
12. Chandra A., Kumar V. and Jain M. K. (2015), "Seasonal Impacts studies of coal mining activities on surface water quality" at Indian Journal of Environmental Protection Vol. 35(12): 981-989, (**Scopus Indexed**), (H Index =13), ISSN 0253-7141, Scopus, SJR-0.204, SNIP- 0.285.

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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 Chandra, Manish Kumar Jain (2011) "Environmental Impact Assessment and Mitigation Measures of Mine Waste Leachate Contaminants), at International Conference on climate change Forest Resource and Environment (ICCFRE-2011), University of Kerala, Thiruvananthapuram, pp 235
11. Avantika Chandra, Manish Kumar Jain (2012) "Impact of mine waste leachate 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-Ferrous 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, pp-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.

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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.
7. 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.
8. 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.
9. 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.
10. 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
11. 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.
12. 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.
13. 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.
14. 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

1. Daily PM2.5 concentration prediction based on principal component analysis and LSSVM optimized by cuckoo search algorithm (JEMA –D-16-00642)
2. Magnetic Susceptibility as a Proxy for Pollution in Triveni-Bandel Area, Hooghly District, West Bengal, India (Current Science-17971)
3. 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)
4. 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**)
5. Spatial modelling of landscape aesthetic potential in urban-rural fringes. (JEMA-D-15-03359)
6. Advances and challenges of incorporating ecosystem services into impact assessment: Reviewing the environmental and social impacts of a mining project (JEMA-D-15-01239)
7. S reactivity of an oil sands composite tailings deposit undergoing reclamation wetland construction, (JEMA-D-15-00171)
8. Change detection in LULC using remote sensing & GIS, International Journal of Advancement in Remote Sensing, GIS and Geography (511-1457-RV.DOCX)
9. 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)
10. Inactivation of *Geobacillus stearothermophilus* spores by alkaline hydrolysis applied to medical waste treatment (JEMA –D-15-00590)
11. Organic fraction of municipal solid waste from mechanical selection: biological stabilization and recovery options. (JEMA-D-14-02520).
12. Characteristics of H₂S emission from aged refuse after excavation exposure. (JEMA-D-14-02453).
13. Organic fraction of municipal solid waste from mechanical selection: biological stabilization and recovery options.(JEMA-D-14-02520)
14. Rapid and effective decontamination of chlorophenol-contaminated soil by sorption into commercial polymers: concept demonstration and process modelling. (JEMA –D-14-01709)
15. Spatial Changes of Estuary in Ernakulum District, Southern India for Last Seven Decades, using Multi-Temporal Satellite Data (JEMA-D-13-01693)
16. Chemical, Mineralogical and Morphological Changes in Weathered Coal Fly Ash: A Case Study of a Brine Impacted Wet Ash Dump (JEMA-D-12-01487R1)
17. The role of remediation, natural alkalinity sources and physical stream parameters in stream recover(JEMA-D-12-02809)
18. A numerical flow analysis using the concept of inflow age for oxidation pond design(JEMA-D-12-01509)
19. Correlation between iron mobilization and emergence of VOCs in leachate at old landfills(JEMA-D-12-02249)
20. 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)
21. Compensation of CH₄ emissions during tunneling works in Asturias: a proposal with benefits both for local councils and for the affected population(JEMA-D-11-02350) Journal of Environmental Management
22. Evaluation of the Air Quality Benefits of the Subway System in São Paulo, Brazil.(JEMA-D-11-01246R1), Journal of Environmental Management
23. The environmental impact of the Rodalquilar mining district in southeast Spain: pollutant spread, bioavailability, and phytotoxicity (JEMA-D-11-00306), Journal of Environmental Management
24. Study of boron behaviour in two spanish coal combustion power plants (JEMA –D -11-00519), Journal of Environmental Management
25. Allocation of supplementary aeration stations in the chicago waterway system for dissolved oxygen improvement (JEMA – D -10-00901) Journal of Environmental Management
26. Log linear model for assessment of risk factors of occupational injuries in underground coal mines, (JGMR-09-016), Journal of Geology and Mining Research

27. Evaluation of the quality of a leachate produced at a landfill connected to an urban waste composting and recovery plant at alhendín (GRANADA, SPAIN), (JEMA-D-08-01099), Journal of Environmental Management
28. The Indian perspective of utilizing fly ash in phytoremediation, phytomanagement and biomass production(JEMA-D-08-00973), Journal of Environmental Management
29. Fly ash Management: An Indian Perspective (JEMA-D-08-00973), Journal of Environmental Management

Book/ Monograph/ Chapter in Book

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

1. Sumit Choudhary, Dheeraj Kumar, Manish Kumar Jain (2016), "Multi-Classifer Fusion for Land Use Land Cover Mapping in Jharia Coal Field " in book: **Geostatistical and Geospatial Approaches for the Characterization of Natural Resources in the Environment, pp.773-777. DOI: 10.1007/978-3-319-18663-4_119.**

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
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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