

LIST OF PUBLICATIONS

Book Chapter

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. 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, Springer Nature Singapore Pte Ltd. 2018, V.P. Singh et al. (eds.)
3. Shweta Kumari, Manish Kumar 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.)
4. 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

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 pp 118-122 (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).
12. Surajit Panda, Krishnendu Banerjee, Manish Kumar Jain, (2014), "Identification of Iron Ore Mines of Noamundi, Jharkhand by using the satellite based Hyperspectral and Geospatial Technology" International Journal of Science and Research (IJSR), Vol. 3, Issue 6, pp:150-152, June, ISSN (online): 2319-7064, SJ Impact Factor: 3.358, (Google Scholar).
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, SJ 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, Vol, 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.(GoogleScholar).
 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**).
 18. Krishnendu Banerjee, Surajit Panda, Manish Kumar Jain, Dr AT Jeyaseelan, Ratnesh Kr Sharma, ”(2014), “Comparison of Aster Thermal Bands and feature Identification Using Advance Spectroscopic Techniques” International Journal of Innovation and Scientific Research, Vol. 7, issue 1, pp11-18, ISSR Journals ISSN : 2351-8014. (Google Scholar). ImpactFactor: 3.5
 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, SJ ImpactFactor:3.358.(GoogleScholar).
 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&ReutersandScopusindexed**).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. 6no2,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” CarpathianJournalofEarthandEnvironmentalSciences,February,Vol10, No.1,pp241-248.ISSN(print):1842-4090,ISSN(online)-1844-489X, (**SCI,Thomson&Reutersand Scopusindexed**).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, Vol 38, issue 4, <https://doi.org/10.1007/s40415-015-0184-4>, ImpactFactor- 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. 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 EnvironmentalScienceandEngineering. ISSN0367-287X(**ScopusIndexed**)(HIndex=19),SNIP-0.290. Vol 57, no.-4, pp 287-293
 27. 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. Vol 64, issue 6, pp 305-312
 28. Avantika Chandra, Vipin Kumar, Manish Kumar Jain, (2016), “Impact of open cast coal mining on groundwater quality around Jharia coalfield area, India” Journal of Environmental Science and Engineering.ISSN 0367-287X(**ScopusIndexed**)(HIndex=19),SNIP-0.290,Vol58, No-1,pp 65-72
 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: 1.621, (**ThomsonReuters&Scopus**).
 31. Shiv Kumar Yadav, Manish Kumar Jain,(2017),“Exposure to particulate matter in different region along road network, Jharia Coalfield, Dhanbad, India”, at “Current Science”, ISSN: ISSN: 0011-3891. Vol 112, No. 1 PP 131-139, doi:10.18520/cs/v112/101/131-139, ImpactFactor-0.967, (**SCI,Thomson&Reuters and Scopus indexed**).
 32. Arpita Das,ManishKumarJain,(2017),““Impact of Mine Waste Leachates on Aquatic Environment: A Review" Current Pollution Reports (**Springer**),Vol3,Issue1,PP31-37,ISSN: 2198-6592, DOI: 10.1007/s40726-017-0050-z. 9 (**Scopus indexed**)
 33. Radha Rani, Manish Kumar Jain, (2017), “Effect of Bottom Ash at Different Ratios on Hydraulic Transportation of Fly Ash During Mine Fill” at Powder Technology, ISSN: 0032-5910, Vol. 315, pp 309- 317, Impact factor- 2.759 (**SCI, Thomson & Reuters and Scopus indexed**). <http://dx.doi.org/10.1016/j.powtec.2017.04.025>
 34. Surajit Panda, Manish Kumar Jain (2017), “EffectsofGreenSpaceSpatialDistributiononLand SurfaceTemperature: ImplicationsforLand

CoverChangeasEnvironmentalIndices” at International Journal of Earth Science and Engineering, ISSN 0974-5904, Vol. -10, NO.-02, pp 180-184,ImpactFactor- 0.042(ScopusIndexed,SJR-0.168),DOI:10.21276/ijee.2017.10.0207

35. Krishnendu Banerjee, Manish Kumar Jain (2018), “Copper Ore Identification Using Spectral Similarity Measurement from Hyperion Image, Mapping of Prophyry Copper Mineralized Zone” Journal of the Geological Society of India, ISSN: 0016-7622, Vol 91, issue 2, pp 239-247ImpactFactor-0.547,(SCI,Thomson&Reutersand Scopus indexed). DOI: [10.1007/s12594-018-0842-9](https://doi.org/10.1007/s12594-018-0842-9)
36. SurajitPanda,ManishKumarJain, A T Jeyaseelan (2018),“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” Journal of the Geological Society of India, ISSN: 0016-7622, Vol 91, issue 2, pp 227-231,Impact Factor-0.547(SCI,Thomson &Reuters andScopusindexed). DOI: 10.1007/s12594-018-0840-y
37. Radha Rani, Manish Kumar Jain (2017), “Hydraulic transportation of coal combustion products for mine fill” Particulate Science and Technology, ISSN: 0272-6351, 1548-0046, Impact Factor-0.707, (SCI, Thomson & Reuters and Scopus indexed). **10.1080/02726351.2017.1352634**
38. Manish Kumar jain, Yuvraj Singh (2018), “Assessment of water quality index: a case study of Jal Mahal Lake at Jaipur Rajasthan, India” accepted for February issue at Ecology, Environment and Conservation, EM International, ISSN: 0971-765X (Scopus and T&R indexed).Vol 24, special issue, pp 80-85.
39. Ray M.,Usmani Z., Chandra A., Kumar V and Jain M. K. (2017). Bacterial diversity in mining and non-mining regions with emphasis on plant growth promoting traits. Chemistry and Ecology. Accepted. DOI: 10.1080/02757540.2017.1376663. (IF = 1.463). ISSN: 0275-7540. (SCI, Thomson&Reuters and Scopus indexed).

NATIONAL JOURNAL

1. Jain Manish Kumar, Sastry B.S., (2005) "Characterization of Some Indian Coal Combustion By- Products" in "Mining Engineer's Journal" Vol.7 No. 5 December 2005. pp 9-14, 26. , ISSN 0975- 3001(Google Scholar).
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(GoogleScholar).Citation5
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. (GoogleScholar).
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(GoogleScholar).
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. (GoogleScholar).
10. Manish Kumar Jain, Viond Babu V (2015), “Evaluation of Spatial Distribution of Erosion Potential of Jharia Coalfields By Geographical Information System” at Indian Journal of Environmental protection, IJEP 35(3), pp 200-215, (Scopus Indexed)ISSN 0253-7141, Scopus, SJR-0.204, SNIP- 0.285.
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.
13. Radha Rani, Manish Kumar Jain (2017), “A review on sustainable approach for management of fly ash in different sectors: Indian scenario” Journal of Mines Metals and Fuels, (Scopus Indexed), Vol 65, No.-1, pp 31-37, ISSN - 0022-2755, SJR -0.198, SNIP – 0.1264

INTERNATIONAL CONFERENCE

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.

NATIONAL CONFERENCE

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.

Under Review

1. Surajit Panda ; Manish Kr. Jain; A. T. Jeyaseelan, ““Image Spectral characteristics of Noamundi iron formations of Jharkhand: Implications on Grades wise hematite Deposits” accepted for review in Arabian Journal of Geosciences, AJGS-D-17-00554. ISSN: 1866-7511, Impact Factor- 1.224. **(SCI, Thomson & Reuters and Scopus indexed)**.
2. Krishnendu Banerjee; Manish Kr Jain “Landsat 8 OLI data for identification of copper mining area using Successive Band depth difference technique : A new image processing approach.” Geocarto International, Tyler and Fransis. TGEI-2017-0099, **(SCI, Thomson & Reuters and Scopus indexed)**.
3. Krishnendu Banerjee; Manish Kr Jain.; Surajit Panda; Sarvesh Chandra Katiyar, "A Visualization of air quality status in some part of Singhbhum shear zone, Jharkhand" accepted for review in International Journal of Environmental Science and Technology” ISSN: 1735-1472, Impact factor-2.344. **(SCI, Thomson & Reuters and Scopus indexed)**.
4. Surajit Panda; Manish Kr Jain, "Assessment of air quality health Index: Status of ambient air quality for Noamundi mines and surrounding area, Jharkhand" accepted for review at International Journal of Environmental Science and Technology, ISSN: 1735-1472, Impact factor-2.344. **(SCI, Thomson & Reuters and Scopus indexed)**.
5. Shiv Kumar Yadav, Manish Kumar Jian (2018) , “Spatial distribution of Air Quality Index in Jharia Coalfield, Dhanbad, India” is cleared by reviewer at Atmosfera , ISSN: 0187-6236, Impact Factor-0.673 **(SCI, Thomson & Reuters and Scopus indexed)**.
6. Shiv Kumar Yadav, Manish Kumar Jian (2018) , “Air quality assessment, source apportionment studies and human health risks analysis of PM10 bound metals for typical Indian mining region” is under review at Journal of Environmental Management, ISSN: 0301-4797, Impact Factor-4.449 **(SCI, Thomson & Reuters and Scopus indexed)**.

PAPER REVIEWED

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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

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