

1. Ghose, Mrinal K. (2016) Impact of climate change on the growth planning of Indian energy sector and geo-technological solutions to combat the situation, Journal of the Institution of Public Health Engineers , Vol.2015-2016 (4) pp20-27
2. Ghose, Mrinal K. (2016) Technological challenges for boosting coal production with environmental sustainability Transactions of MGMI) , Vol.112, pp10-21
3. Ghose, Mrinal K. (2016) Challenges in delinking economic growth and environmental degradation for sustainable development TERI Information Digest on Energy and Environment, Vol.15(2)pp151-162
4. Ghose, Mrinal K. (2016) , "Sustainable technology solutions water management and recovering resources from Coal washery effluents", Environmental Quality Management, US A(accepted)
5. Ghose, Mrinal K. (2016) "Restoration and reclamation of mined-out area damaged by opencast coal mining", Environmental Quality Management, US A(accepted)
6. Ayana Ghosh, Sk. Sohel Islam: "Strength Prediction Model of Fly Ash Concrete"" , International Journal of Scientific & Engineering Research, Volume 7, Issue 4, pp-87-91, April-2016.
7. Sk. Sohel Islam, Ayana Ghosh, Riddha Chaudhuri: "Role of Waste Plastic and Waste Rubber on Dense Bituminous Macadam Layer of Flexible Pavement"" , International Journal of Scientific & Engineering Research, Volume 7, Issue 4, pp- 77-81, April-2016.
8. Ansar Tausif Ahmed: "Tramways System: A case study of Kolkata", International Journal of Innovative Research in Science, Engineering and Technology, Volume 5, Issue 5, pp- 8134-8139, May-2016.
9. Ratneswar Majumdar, "Calibration of a Five-hole Probe iin Null and Non-null technique", International Journal of Engineering Research and Application, , Volume 6, Issue 5 (Part 7), pp- 27-32, May-2016.

10. Publications of **Dr. Indranil Mukherjee**

List of Publications:

International Journals:

<i>Sl. No</i>	<i>Name of Paper</i>	<i>Name of International Journal</i>	<i>Authors in Order</i>
1	Measurement of CO ₂ , CO, SO ₂ and NO emissions from coal based thermal power plants in India	Published in Atmospheric Environment , Vol 42 (6), pp.1073-1082, Feb 2008	N. Chakraborty , I. Mukherjee , A.K.Santra , S.Chowdhury , S.Chakraborty , S. Bhattacharya , A. P. Mitra , C. Sharma
2	Observations on Aerosol Optical Depth over a period of three years at Kaikhali (22.022°N, 88.614°E) inside a special mangrove ecosystem-The Sundarbans	Published in the Journal of Water, Air & Soil Pollution (WATE), Springer, Volume 215, Issue 1 Feb (2011), Page 477-486	I. Mukherjee , N.Chakraborty, T.K.Mandal
3	Observation on particulate matter over a period of three years at Kaikhali (22.022°N & 88.614°E) inside a special mangrove ecosystem: Sundarbans	Published in the Journal of Environmental Engineering,American Society of Civil Engineers (ASCE), Vol-136, No 1, Jan 2010, pp 119-126	I. Mukherjee , N.Chakraborty, A.D.Sarkar,T.K.Mondal
4	Measurement of Sulphur Dioxide (SO ₂) and Nitrogen Dioxide (NO ₂) during winter over a period of three years at Kaikhali (22.022° N & 88.614° E) in Sundarbans	Published in the International Journal of Environmental Engineering (IJEE), Inderscience, 2013, Vol 5, No 3, pp 289-298	I. Mukherjee , N.Chakraborty, A.D.Sarkar, T.K.Mandal
5	Study on correlation of angstrom turbidity coefficient (β) with aerosol optical depth (τ) over a period of two years (2004-2006) for the special mangrove ecosystem of Sundarbans	Published in the Open Journal of Air Pollution, 2012, 1, 74-81, (Scientific Research Publishing), ISSN Print: 2169-2653)	I. Mukherjee , N.Chakraborty

National Journals:

Sl. No	Name of Paper	Name of National Journal	Authors in Order
1	Measurement of green house gas Emissions from thermal power plants in and around Kolkata	Published in Indian Journal for Air Pollution Control (IJAPC), New Delhi Chapter, Vol-V, No 1, March 2005, pp 94-100	I.Mukherjee , M.Chakrabarti, A.K.Santra, N.Chakraborty
2	Measurement of particulates at a transboundary location, Kaikhali in Sundarban	Published in Indian Journal for Air Pollution Control (IJAPC), New Delhi Chapter, Vol-V, No 2, September 2005,pp 114-118	I.Mukherjee , A.P.Mitra, C.Sharma, T.K.Mandal, P.K.Gupta, A.Singh, N.Chakraborty
3	Assessment of air quality with respect to some criteria air pollutants at a transboundary location, Kaikhali in Sundarban	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE), Vol, 2007-08, No 1, pp 41-44	I.Mukherjee ,T.K.Mandal, A.P.Mitra, N.Chakraborty
4	Studies of Vertical and Horizontal Distribution of Particulates near a Busy Road in the city of Kolkata	Published in Indian Journal for Air Pollution Control (IJAPC), New Delhi Chapter, Vol-VII, No 1, March 2007,pp 49-56	I.Mukherjee , B. Thakur, M. Bhaumik, S.N.Chakraborty, A.K.Misra
5	Chromium And Its Toxicity	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE), Vol, 2005, Oct-Dec, No 4, pp 5-8	I.Mukherjee , M. Chakrabarti
6	Advancement in Particulate Pollution Monitoring	Full Paper Published in the Journal of the Institution of Public Health Engineers, India (JIPHE), Vol, 2005 April-June, No 2, pp 26-27	I.Mukherjee , B. Thakur, S.N.Chakraborty
7	Vertical Variation of Indoor Particulate Concentration at a Location within Jadavpur University Campus	Published in Indian Journal for Air Pollution Control (IJAPC), New Delhi Chapter, Vol-IV, No 2,September 2004,pp 42-51	I.Mukherjee , S.N.Chakraborty, A.K.Misra
8	Deforestation of the Indian Sundarbans and General Causes, Impacts and Solutions to curb Deforestation	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE), Vol, 2008-09, No 2, pp 30-34	I. Mukherjee
9	Measurement of Ozone (O ₃) and Nitrogen Dioxide (NO ₂) in winter period inside a Mangrove Ecosystem at Kaikhali (Sundarbans)	Published in Indian Journal for Air Pollution Control (IJAPC), New Delhi Chapter, Vol-IX, No 2,September 2009,pp 42-48	I. Mukherjee , N.Chakraborty, T.K.Mondal

10	Importance of Environmental Impact Assessment for Thermal Power Plants	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE), Vol, 2009-10, No 4, pp 16-19	I. Mukherjee , B. Mondal
11	Economic Feasibility of Rainwater Harvesting in Flood and Drought Control Mangement	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE),Volume 2011-12,No 1, April 2011, pp 10-14	I. Mukherjee , J. Ghose
12	A Brief Review on the adverseness of particulates on human health	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE),Volume 2011-12,No 3, October 2011, pp 09-11	I. Mukherjee , J. Ghose, D. Pal
13	Importance of Mangrove Ecosystems	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE),Volume 2012-13 ,No 1, April 2012, pp 08-10	I. Mukherjee , S. Majumder, R. Majumder, P. P. P. Mondal
14	Green Buildings- A Probable Solution to Global Warming	Published in Indian Journal for Air Pollution Control (IJAPC), New Delhi Chapter, Vol XI, No. 2, September, 2011, pp 28-33	I. Mukherjee , T. Chakraborty, R. Majumder
15	Ground Water and its Vulnerability to Arsenic Contamination in India	Published in the Journal of Indian Water Works Association (JIWWA), April-June 2013, Vol XXXV No 2. Pp126-131	T. Chakraborty, I. Mukherjee , S. Kar
16	Study on interrelation of PM ₁₀ , SO ₂ , NO ₂ and average ambient temperature for the metropolis Kolkata for the period 2002-2006	Published in Indian Journal for Air Pollution Control (IJAPC), New Delhi Chapter, Vol XII, No. 2, September, 2012, pp 51-56	I. Mukherjee , S. Kar, T Chakraborty, P. Sen, S. Chattopadhyay
17	Temporal variation of PM ₁₀ , SO ₂ and NO ₂ over the period (2003-2011) for the Metropolis Kolkata (22°34'N, 88°24' E), India	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE), Volume 2013-14, Number 2, July 2013, pp 30-35	I. Mukherjee , T. Chakraborty, S. Pal , S. Chandra Roy, S. Ghosh, B. Aich, S. Choudhury

18	An Overview Of Rubber Dams And Their Viability For Small To Medium Waterways Compared To Traditional Impounding Structures	Published in the International Journal of Adamas Technical Review, ISSN-2348 3385, Vol 1, No 2, December, 2014, pp 41-45	T. Chakraborty, I. Mukherjee , J.Ghose
19	A study on the air quality of Delhi for the period from 2006 – 2011	Published in the International Journal of Adamas Technical Review, ISSN-2348 3385, Vol 1, No 1, July, 2014, pp 33-37	J.Ghose, I. Mukherjee
20	Rainwater Harvesting and Greywater reutilization in Modern Homes- A Case Study of four metropolitan cities	Published in Journal of Environmental Science & Engineering, NEERI Nagpur, ISSN 0367-827X, Vol 57, No.4, Oct. 2015, pp 321-329	T. Chakraborty, I. Mukherjee
21	Groundwater Condition for the State of West Bengal— A Case Study	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE), Volume XXXXIV, No 1, April 2016, pp 39-42	S. Sinha, S. Chakrabarti, I. Mukherjee
22	Probable effects of aerosols on temperature & precipitation pattern of Kolkata (22°33' N, 88°20' E), India	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE), Volume XXXXIV, No 2, July 2016, pp 05-08	T.Jaman, S.Sadab, I. Mukherjee , S.N.Bose
23	Case study on importance of proper traffic junctions for reducing air quality emissions in the city of Kolkata	Published in the Journal of the Institution of Public Health Engineers, India (JIPHE), Volume XXXXIV, No 3, October 2016, pp 24-28	I. Mukherjee , T.Jaman, S.Sadab, S.Sinha, S.N.Bose
24	Particulate Measurements in the Mangrove Ecosystem of the Sundarbans for the Period 2006-2007	Published in the Indian Journal of Environment Protection (IJEP), Volume 36, Number 11, November 2016, pp 916-922	I. Mukherjee , N.Chakraborty
25	An evaluation of renewable energy sources in Green Building systems for the residential sector in the metropolis, Kolkata, India	Published in Indian Journal for Air Pollution Control (IJAPC), New Delhi Chapter, Vol XV, No. 1, March, 2015, pp 51-66	T.Chakraborty, B.Tudu, D.Sabui, I. Mukherjee

International or National Conferences/Seminars/Symposium:

Sl. No	Name of Paper	Name of Conference/Seminar/ Symposium	Authors in Order
1	An estimation of green house gas emission from thermal power plants in India during 2002-03	Published in the proceedings of Natcom Conference, UNFCCC, 2004, pp16-22	S. Chowdhury, S.Chakraborty, S.Bhattacharya, A.Garg, A.P.Mitra, I.Mukherjee ,N.Chakraborty
2	Promotion of Ecotourism in Sundarban through the assessment of air pollution and socio-economic status	Published in the proceedings of Humboldt Kolleg held at Mirik from 18 th to 20 th Jan, 2005, pp 114-118	N.Chakraborty, I.Mukherjee
3	Economics of Particulate Pollution	Presented and Published in the Proceedings of International Conference on Environment and Development, held at Science City, Kolkata, from February 4-8, 2004	I.Mukherjee , B. Thakur, S.N.Chakraborty
4	An Overview of Fine Particulate Pollution	Presented and Published in the Proceedings of National Seminar on Urban Air Pollution: Issues and Solutions, held in Baroda on 22 nd March, 2003	I.Mukherjee , B. Thakur, A.D.Sarkar, S.N.Chakraborty
5	Advancement in Particulate Pollution Monitoring	Abstract Published in the Proceedings of National Seminar on Advancements in Materials, Equipment & Technology in Public Health Engineering, held in Kolkata on 5 th December,2003, pp 58	I.Mukherjee , B. Thakur, S.N.Chakraborty
6	Synergies between Energy, Environment and Sustainable Development in the mangrove eco-system of The Sundarbans	Published in the Proceedings of the Workshop Cum Seventeenth National Symposium on Environment (NSE- 17), 13 th -15 th May, 2010, IIT Kanpur	I.Mukherjee , N. Chakraborty, S. Bardhan
7	A Brief Review To Judge The Relationship Between Two Key Parameters Regulating Global Warming Phenomenon	Presented and Published in the Proceedings of the National Seminar on 'Global Warming And Its Impact on Water Resources (GWIWR-2011),14 th Jan,2011	S.Pal. I. Mukherjee
8	Vulnerability of the Brahmaputra-Barak Basin to Intense Flooding	Published in the Conference Proceedings of the National Conference On "WATER, ENERGY AND BIODIVERSITY"- with Special reference to North-East Region - (WEB for N-E Region-2011), August 20-22, 2011, Agartala, Tripura	R. Majumder, I. Mukherjee , B. Tudu, N. Chakraborty

9	Optimised Stand Alone Hybrid Energy System-A New Paradigm Shift For Energy Solution in North East of India	Published in the Conference Proceedings of the National Conference On "WATER, ENERGY AND BIODIVERSITY"- with Special reference to North-East Region - (WEB for N-E Region-2011), August 20-22, 2011, Agartala, Tripura	B. Tudu, I. Mukherjee , R. Majumder, N. Chakraborty
10	Renewable energy for sustainable development in India: Review on status, potential and policies	Abstract published in the Proceedings of International Seminar on "Society, Politics and Climate Change" organized by Khandwala College, IIFM, USIEF held at Nagindas Khandwala College, Malad (West) Mumbai on 3 rd -4 th Dec, 2012	A. Bhowmik, B. Tudu, I. Mukherjee , K. K. Mandal, N. Chakraborty
11	Transition from Fossil Fuel to Non-Conventional Sources- A Solution for the Future in India	Abstract published in the Proceedings of International Seminar on "Society, Politics and Climate Change" organized by Khandwala College, IIFM, USIEF held at Nagindas Khandwala College, Malad (West) Mumbai on 3 rd -4 th Dec, 2012	S. Choudhury, T. Ghosh, R. Paul , B. Tudu, I. Mukherjee
12.	Review on Feasibility of Wind Energy Potential for India	Abstract published in the Proceedings of the 1 st International Conference on Non Conventional Energy (ICONCE 2014) sponsored under the Technical Education Quality Improvement Programme (TEQIP) in JIS College of Engineering held from (16-17)th January, 2014, pp 244-246	R. Majumder, D.Paul, B.Tudu, I.Mukherjee
13	Stand-alone Hybrid Renewable Energy System-An Alternative to Increased Energy Demand	Paper published in the Proceedings of the 2014 International Conference on Control, Instrumentation, Energy & Communication, Organized by the Dept. of Applied Physics and held at University of Calcutta, 31 ST Jan-2 nd Feb, 2014), pp 390-394	B. Tudu, K. K. Mandal, N. Chakraborty I.Mukherjee

14	Analyzing The Biological Intervention of Fine Particulate Fractions in Human Body	Abstract published in the Proceedings of the 9 th International Conference on Air Quality- Science & Application, Organized by the University of Hertfordshire (UK) and Karlsruhe Institute of Technology (Germany) and held at Garmisch- Partenkirchen, Germany from 24 th - 28 th March, 2014, pp 219	I. Mukherjee , T. Chakraborty
15	Feasibility of Green Buildings as alternative to reduce environmental pollution for developing countries like India	10 th All India People's Technology Congress, Organised by Forum of Scientists, Engineers & Technologists (FOSET) in collaboration with All India People's Science Network (AIPSN), Paschim Banga Vigyan Mancha and Centre for Technology Development, New Delhi, held at Rajabazar Science College, University of Calcutta, Code-049-SHL-06, 6 th -7 th Feb, 2015	I. Mukherjee , S. Sinha, S.N. Bose
16	BIOMIMICRY-A Set of Inspirations for Indian Construction Sector	6 th All India Inter Engineering College Proceedings, Academic Meet- 2015, 26 th April, 2015, Organised by FOSET in association with MCKV Institute of Engineering, C&A-03, pp 22	T. Jaman, S. Sadab, S. Bose, I Mukherjee
17	Photovoltaic Cells and their applications in context to Renewable Energy Sources	6 th All India Inter Engineering College Proceedings, Academic Meet- 2015, 26 th April, 2015, Organised by FOSET in association with MCKV Institute of Engineering, EEI-20, pp 35	S. Sinha, I Mukherjee
18	Comparitive study of fault classification in short transmission line using wavelets and neural networks	International Conference on Energy Options for Tomorrow: Technology to Sustainability (ICEOT 2017), Eco-Vista, 17 th -19 th April, 2017, Kolkata, India, pp 79-88	S. Verma, P. Chattopadhyay, I. Mukherjee
19	Dynamic Response Analysis of a Back-toBack Converter based DFIG Wind Farm under Variable Wind Speed	IEEE sponsored International Conference on Communication and Electronics Systems (ICCES 2017), 19-20 October 2017, Coimbatore, India	A. Chakraborty, S. Kumar, B. Tudu, K. K.Mandal, I. Mukherjee