

BIODATA

PERSONNEL INFORMATION

1. Name : **Dr. Manish Kumar Jain**
2. Father's name : Er. Sudhir Kumar Jain
3. Address : Dr. Manish Kumar Jain
Associate Professor,
Centre of Mining Environment
Department of Environmental Science and
Engineering,
Indian Institute of Technology (ISM), Dhanbad
Dhanbad - 826004
Email: manishjkm@gmail.com
manish@iitism.ac.in
Phone: (O) +91-326-2235476, +91-9431711095 (M)
Fax: +91-326- 2296624, 2296603/2296607
4. Date of birth : 14th December 1974
6. Category : General
7. Sub Category : Minority
8. Field of activity : Mine Environment



ACADEMIC PROFILE

S. No.	Qualification	Year	Board/ University	%of marks	Grade/ Division	Major Subjects
1.	Ph.D. (Mining Engineering)	2005	Indian Institute of Technology Kharagpur	-	-	Fly ash as a mine void filling material
2.	M.Tech. (Environmental Science & Engineering)	2000	Indian School of Mines Dhanbad	OGPA 4.19/ * 5.00	First With Distinction	Air, water, soil, noise and social pollution, their control measures and equipment, EMP, EIA and legislation
3.	B.E. (Mining Engineering)	1997	Nagpur University	71.8	First	All subject related to Mining and allied science

*OGPA (Overall Grade Point Average on Five Point Scale)

EXPERIENCE

S. No.	Post	Organization	Duration	Nature of Job
1.	Associate Professor	Dept. of Environmental Science & Engineering, Indian Institute of Technology (ISM) Dhanbad, Jharkhand	On Going (2010 - Till date)	Teaching & Research
2.	Assistant Professor	Dept. of Environmental Science & Engineering, ISM Dhanbad, Jharkhand	(2007 –2010)	Teaching & Research
3.	Lecturer	Dept. of Mining Engineering, NIT Rourkela, Orissa	(2006 - 2007)	Teaching & Research
4.	Lecturer	Dept. of Mining Engineering, Anna Univ. Main Campus, Chennai, Tamilnadu	(2004 -2006)	Teaching & Research
5.	Research Associate	Department of Mining Engineering, IIT Kharagpur, West Bengal.	(2004 -2004)	Research
6.	Research Scholar	Department of Mining Engineering, IIT Kharagpur, West Bengal.	(2000 -2004)	Research

PROJECTS & CONSULTANCY UNDERTAKEN

S. No.	Title	Sponsoring agency	Status	Amount' (Lakhs)	Status
1.	Regional Environmental Management Plan of Angul – Talcher – Meramundali Area (CONS/0267/07-08)	SPCB-Orissa	Member	54.00	Completed
2.	EIA/EMP Studies of Sand Mining Leases of TISCO (CONS/0568/08-09)	TISCO	Member	20.00	Completed
3.	Preparation of Mining Plan for TESRA Block, TISCO(CONS/0339/08-09)	TISCO	Member	5.00	Completed
4.	Scientific Investigation for Assessment of Status of Fire around Lodna Coke Plant (CONS/0566/08-09)	BCCL	CI	3.93260	Completed
5.	Feasibility Study of Cluster Concept in Jharia coalfields(CONS/835/09-10)	BCCL	Member	11.03	Completed
6.	Socio-economic Survey of Affected Families at Fire & Subsidence Areas in Jharia Coalfield (CONS/0925/09-10)	JRDA	CI	36.26451	Completed
7.	Preparation of Thematic Cluster of Mining as per CSD Guidelines	MOEF	Co - Investigator	5.00	Completed
8.	Building Institutional Capacity for Sustainable Environment and Social Management in Mining Sector in Afghanistan (CONS/1273/09-10)	World Bank	Member	45.00	Completed
9.	Design of Particulate Emission Control System & Preparation of Environmental Management Plan for Coke Oven Plants in Dhanbad(CONS/1091/10-11)	Group of Coke Oven Plant Owners	CI	12.25	Completed
10.	Design of Particulate Emission Control System & Preparation of Environmental Management Plan for Coke Oven Plants in Dhanbad(CONS/1096/10-11)	Group of Coke Oven Plant Owners	CO-CI	10.50	Completed
11.	Design of Particulate Emission Control System & Preparation of Environmental Management Plan for Coke Oven Plants in Dhanbad(CONS/1116/10-11)	Group of Coke Oven Plant Owners	CO-CI	12.25	Completed
12.	Design of Particulate Emission Control System & Preparation of Environmental Management Plan for Coke Oven Plants in Dhanbad(CONS/1118/10-11)	Group of Coke Oven Plant Owners	Member	10.5	Completed
13.	Design of Particulate Emission Control System & Preparation of Environmental Management Plan for Coke Oven Plants in Dhanbad(CONS/1168/10-11)	Group of Coke Oven Plant Owners	Member	10.5	Completed
14.	Preparation of Mining Plan for rock materials at Little Andaman, island for Ministry of Shipping.(CONS/0799/12-	MSRT	Member	10.00	Completed
15.	Sustainable Management of Mineral Resources in Nigerian Mining Sector CONS/1171/10-11)	Word Bank	Member	22.50	Completed
16.	Compliance of Forestry Clearance Conditions in respect of Ghanoodih and Bera Projects of Bastacolla Area(CONS/1285/10-11)	BCCL	Member	11.68	Completed
17.	Monitoring of Environmental parameters in respect of stack Monitoring and effluent discharge of CTPS	CTPS, DVC	CI	1.00373	Completed
18.	Ambient Air quality sampling and Analysis og Rajapur OCP/South Jharia, BCCL(CONS/1459/11-12)	BCCL	CI	0.11030	Completed

19.	Preparation of Environmental Statement Report of Bermo Mines, DVC, Bermo, Bokaro, Jharkhans(CONS/1516/11-12)	DVC, Bermo Mines	Member	1.10300	Completed
20.	Monitoring of Environmental parameters in respect of ambient air, stack monitoring, noise level and effluent discharge at BTPS'B"	BTPS	Member	5.22822	Completed
21.	Sustainable Mine Planning for Iron Ore Mining in Megalahalli & R & R Plan (CONS/1711/11-12)	SSGL	Member	15.00	Completed
22.	Three Day training program Evaluation of water resources and its management(CONS/1972/12-13)	Group of companies	Member	2.00	Completed
23.	Study of Illegal Mines in CIL Subsidiaries (ECL, BCCL, CCL). (CONS/2116/12-13)	CIL	CO-CI	35.00	On going
24.	Evaluation of sustainable Development Project of ECL under MOU 2013 (First Phase)(CONS/2356/13-14)	ECL	CO-CI	5.00	Completed
25.	Biodiversity study of Rolep Hydro Electric Project.(CONS/2731/15-16)	Rolep	Member	11.90	Completed
26.	Water quality assessment of samples from JRDA(CONS/2838/15-16)	JRDA	CI	0.15	Completed
27.	Water quality assessment of samples from BCCL(CONS/3053/15-16)	BCCL	CI	0.1145	Completed
28.	Technical Consultancy for Waste Water Management and Control of Water Pollution from Plant and Mines of BIOM, Bacheli Complex. (CONS/2958/15-16)	NMDC	Member	13.25	Completed
29.	Testing of ground water quality. Kirandul, NMDC(CONS/3274/16-17)	NMDC	Member	25.10985	Completed
30.	Soil and fly-ash characterization study (CONS/3252/16-17)	BALCO	Member	1.603	Completed
31.	Environmental impact study of back filing of chotia mines with fly-ash.(CONS/3367/16-17)	BALCO	Member	16.10	Completed
32.	Monitoring of Ambient Air Quality of Katras Area BCCL as per NAAQS 2009 (CONS/3504/17-18)	BCCL	CI	2.30	Completed
33.	Hydrological Study and Source Sustainability Study of Water Requirement (Cons/3748/17-18)	DB Power	Member	12.25	On Going
34.	Source sustainability study of Water Requirement (CONS/3766/17-18)	RKMPPLC	Member	6.75	Completed
35.	Health Safety and Environmental Risk Assessment (CONS/3759/17-18)	V LPG	Member	8.75	On Going
36.	Development of Approach and Methodology for Environmental Performance Rating Index (EPRI) for coal mines of Coal India Ltd. with reference to air quality CONS/3812/18-19	ICFRE	CI	11.80	On Going

Professional Training Program Organized

S. No.	Title	Sponsoring agency	Status	Amount (Lakhs)	Status
1.	Training program on Air Quality Assessment, Prediction and Control for	Group of Co.	CI	3.30	Completed
2.	Short term course on sustainable waste management practices. (cons/3097/15-16)	Group of Co.	Co-CI	2.55	Completed
3.	Short term course on recent trends in waste management practices.	Group of Co.	CO-CI	3.30	Completed

4.	Training Program on Ambient air quality assessment, prediction and control	Group of Co.	CI	2.40	Completed
5.	Short term course on advanced treatment of solid and hazardous waste: Current	Group of Co.	CO-CI	3.30	Completed
6.	Training Program on Environmental Clearance Procedures and Impact	Group of Co.	CI	2.58	Completed
7.	Training Program on Air and Noise quality assessment, Prediction and	Group of Co.	CI	3.30	Completed

Research & Development

ProjectTitle	Sponsoring Authority	Role	Duration	Amount Sanctioned(₹)	DateofSanction
Paste flow behaviour of Neyveli lignite fly ash and its derivative mixtures for mine void fill– a laboratory scale investigation	ISM Dhanbad	Principle Investigator	2007-09	43,000	Minor Research project/2008
Regional Environmental Impact Assessment Study of Mining in Goa Region	Ministry of Environment & Forests (MoEF)	Co - Investigator	2011-2013	2,02,21,800	MOEF, J-20012/2/2009-IA.II(T)
Estimation of Aquifer Potential in Jharia Coal Mining Region with suitable techniques to improve the recharge	Ministry of Water Resources (MoWR)	Co- Investigator	2012-15	28,54,700	March 2012, 24 Months MoWR (3)/2012-13/308/ESE
ENVIS centre on Environmental Problems of Mining	Ministry of Environment & Forests (MoEF)	Co-coordinator	2012- 13	5,00,250	Dec 31, 2012, MOEF(EI Division)
ENVIS centre on Environmental Problems of Mining	Ministry of Environment & Forests (MoEF)	Co-coordinator	2013- 14	8,80 ,000	Sep. 09, 2013, MOEF(EI Division)
ENVIS centre on Environmental Problems of Mining	Ministry of Environment & Forests (MoEF)	Co-coordinator	2013- 14	1,40,000	Sep. 26, 2013, MOEF(EI Division)
TEQIP - II	MHRD & World Bank	MIS Coordinator	2010-16	12,50,000,00	MHRD
ENVIS centre on Environmental Problems of Mining	Ministry of Environment & Forests (MoEF)	Co-coordinator	2014- 15	12,46,000	July 30, 2014 MOEF(EI Division)
ENVIS centre on Environmental Problems of Mining	Ministry of Environment Forests & Climate Change (MoEF & CC)	Coordinator	2015- 16	13,54,536	May 25, 2015 MOEF&CC (EI Division)
ENVIS centre on Environmental Problems of Mining	Ministry of Environment Forests & Climate Change (MoEF & CC)	Coordinator	2016- 17	14,35,754 50,000	June 17, 2016 MOEF&CC (EI Division)
ENVIS centre on Environmental Problems of Mining	Ministry of Environment Forests & Climate Change (MoEF & CC)	Coordinator	2017- 18	17,09,184	September 19, 2017 MOEF&CC (EI Division)

LIST OF PH.D. SCHOLAR GUIDED

S.NO.	Name of Scholar	Title	Role	Status
1.	Rizwan Reza	Water Quality Assessment from Various Coal Mines and Industries and its Impact on River Water System in Talcher-Angul Region of Orissa India	Co-Guide	Awarded
2.	Arpita Das	Environmental Evaluation of Coal and Lignite Fly Ash from various Thermal Power Plants in India	Guide	Awarded
3.	Avantika Chandra	An investigation on Environmental Impact of Mine Waste Leachate Contaminants : Sustainable Approach for Mine Waste Management	Guide	Awarded
4.	Jitin Rahul	An investigation into the effect of particulate matter on vegetation along the highway	Guide	Awarded
5.	Sumit Kumar Chaudhary	Satellite Image Fusion and Quality Assessment Techniques for applications in Earth observation and resource monitoring: An application for urban object extraction”	Co-Guide	Awarded (ISM JRF Mining Dept)
6.	Radha Rani	Environmental Evaluation of Fly Ash from Selected thermal Power Plants with reference to Mine Filling	Guide	Awarded
7.	Krishnendu Banerjee	Study of Copper Ore Deposits and Environmental Impact Assessment of Mining using Geospatial Technology in some part of East Singhbhum district, Jharkhand	Guide	Awarded (Part Time)
8.	Surajit Panda	Study of Sustainable Iron Ore Exploration and its Mapping using Geospatial Technology in some part of West Singhbhum district, Jharkhand.	Guide	Awarded (Part Time)
9.	Shiv Kumar Yadav	An Investigation into Emission Inventory and Source Apportionment Study for Jharia Coalfield, India	Guide	Awarded
10.	Shweta Kumari	An investigation into the Air Quality Status and its Impact on quality of soil along National Highway in Dhanbad	Guide	On Going
11.	Dinesh Kr Patel	Air Quality Monitoring, Emission Inventory & Source Apportionment Studies Along Highway in Dhanbad, India	Guide	On Going
12.	Nilesh Kumar	Soil Quality Assessment along the Roadways In Mining And Non-Mining Areas Of Dhanbad, India	Guide	On Going (Part Time converted)
13.	Yuvraj Singh	Surface Water Quality Assessment and Management affected By Effluents from Selected Industrial and Mining Projects in Rajasthan, India	Guide	On Going (Part Time)
14.	J P Singh	Study on Development of green building components based on industrial waste effluents	Guide	On Going (Part Time)
15.	Shruti Mishra	Dynamics of Soil CO ₂ sequestration in Tropical Deciduous Forest Ecosystem of Northern India	Guide	On Going (Part Time)
16.	Rajnish Kumar Dubey	Development of Fugitive Dust Dispersion Model for a Mining Complex and Its Impact	Guide	On Going (Part Time)
17.	Amit Kumar	Hydrological Modeling, Vulnerability Assessment and Adaptation Strategy for Sone River Basin under Climate Change Using Swat	Guide	On Going (Part Time)
18.	Ambikesh Kumar Mishra	Air Quality Assessment and Management Around OCL India Limited Rajgangpur, Dist-Sundargarh, Odisha, India	Guide	On Going (Part Time)
19.	Azeem Uddin Siddiqui	Identification and Validation of Point Source Contamination In Mineral Bearing Area with the Help of Remote Sensing and GIS	Guide	On Going
20.	Priya Pariyar	A Study on Release of Major Green House Gasses from Degraded Land Due to Mining Activities against Vegetated Land	Guide	On Going
21.	Silvia Dutta	Assessment of land use changes in a coalfield area and its impact on natural resources	Guide	On Going

22.	Shrawan Kumar	An Investigation Into The Indoor Air Quality Of Sub-Urban Areas And Associated Health Impacts	Guide	On Going
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LISTOF M.TECH STUDENT GUIDED

S.No.	StudentName	Title	Year
1)	Md. Sanaullah Saudagar	Environmental Evaluation and Hydraulic Transportation Aspects of fly ash from Neyveli Lignite Thermal Power Plant With Reference to Mine Void Filling	2009
2)	Sachin Sharma	Land Capability Classification of degraded Jharia Coalfield	2010
3)	Ashwani Kumar	Assessment of soil quality and soil respiration of Dugda Coal Washery of Jharia Coalfield	2011
4)	Sudhir Kumar	Particulate Dispersion Modelling: Design of its Emission Control System and Preparation of Environmental Management Plan for Coke-Oven Plants of Tundi Road, Dhanbad	2011
5)	Bhaskar Singh Rawat	Assessment and Modelling of Air Quality and Design of Particulate Emission Control System for Coke Oven Plants	2011
6)	Anshul Sandeja	Assessment of Impact on Ambient Air Quality in and Around Chandrapura and Bokaro Thermal Power Stations using Air Quality Index and Air Quality Model	2012
7)	Vipin Singh Rawat	Flow Properties of fly ash through Viscometer: Fly ash utilisation	2012
8)	Ashish Kumar	Effect of Highway traffic on soil and particulate matter concentration at NH-2, Dhanbad	2013
9)	Samiksha	An investigation of particulate matter in coal mining area using remote sensing & GIS	2013
10)	Vinod Babu V.	Evaluation of Spatial distribution of erosion potential of Jharia coalfields by geographic information system	2013
11)	Meena Kumari	Flow properties of Flyash and its derivatives for their bulk utilization in Mining Sector	2014
12)	Azeem Uddin Siddiqui	Engineering design of constructed wet land and to study physio- chemical and biological rate kinetics occurring in CWs (constructed Wet land system) by developing a mathematical model	2014
13)	Lilly Gogoi	Assessment of air pollution concentration around road network for Jharia coalfield	2015
14)	Susmita Jha	Land use classification of east singhbhum district, Jharkhand with special emphasis on ground water analysis through remote sensing and GIS	2016
15)	Somdipta Bagchi	Removal of ammonia from air stream using biotrickling filter	2016
16)	Shashi Ranjan	Utilisation of mine waste for unpaved road construction in black cotton soil	2016
17)	Prince Raj 15MT000404	Effect of Surface Runoff on Water and Soil Quality of Katras Mining Area, Dhanbad	2017
18)	Alka Kumari 15MT000378	Air Quality Assessment in and around IIT(ISM) Dhanbad	2017
19)	Uttam Kumar Jha 15MT000139	Effect of surface Runoff on Water Bodies in Urban and Mining Area	2017
20)	Sudhanshu Ranjan 16MT001431	Environmental impact of coal mining on soil and water in and around mining areas	2018
21)	Anamika Masoom 16MT001265	Preparation of fly ash granules with reference to mine filling	2018
22)	Manish Kumar 16MT000880	Qualitative analysis of soil and water in and Coal mining areas	2018

DETAILS OF COURSES ATTENDED

(SHORT TERM / CONFERENCES / SEMINIARS / WORKSHP / ORIENTAION PROGRAMME)

S. No.	DetailofCourses	Institution&Place	Period	Total duration (Days)
1.	Emerging Trends in Geophysical Research for Make-in-India	IIT(ISM) Dhanbad	March 09-11, 2018	3
2.	3 RD International Conference on Microwave and Photonics, ICMAP-2018	IIT(ISM), Dhanbad	Feb 09-11, 2018	3
3.	Industry Institute Interaction (III-2017)	IIT(ISM), Dhanbad	Feb 03, 2018	1
4.	2nd conference on GIS and Other Geospatial Technologies for Infrastructure	India Infrastructure Publishing,Le Meridien, New	July 27-28, 2017	2
5.	National Evaluation Workshop for ENVIS Centres: Summary, Evaluation and Roll out of the Revamped ENVIS Scheme	Gandhi Nagar , Gujarat	March 17-18, 2017	2
6.	Workshop on Energy Resources: Future Prospects of Fuel and Chemicals	IIT(ISM) Dhanbad	Nov 07-08, 2016	2
7.	Workshop on Intellectual Property Rights	IIT(ISM) Dhanbad	Nov 08, 2016	1
8.	Industry Institute Interaction (III-2017)	IIT(ISM) 2017	Feb 04, 2017	1
9.	National Conference on Sustainable Mining Practices	NIT Rourkela	December 02-03, 2016	2
10.	National Evaluation workshop for ENVIS Centres	MoEF, New Delhi	February 17-20, 2016	4
11.	Regional Workshop for Evaluation and Training of ENVIS centres (Eastern and North-Eastern Region)	ASTEC, Guwahati	March 23-24, 2015	2
12.	Workshop on Challenges and Opportunities for Management of Water Supplies in Rural Areas	ISM Dhanbad	Jan 23-24, 2015	2
13.	Training Program on Satellite Ground System	NRSC, Hyderabad	Oct 28-31, 2014	4
14.	National Interaction cum Evaluation workshop 2014 for ENVIS Scheme	Gangtok, Sikkim	March 28-30, 2014	3
15.	5 th Asian Mining Congress	MGMI, Kolkata	February 13-15, 2014	3
16.	National Seminar on Recent Approaches to Water Resource Management	ISM Dhanbad	Dec. 9-10, 2013	2
17.	TEQIP II Project Review Workshop	ITC Windsor, Bengaluru	Sept 24, 2013	1
18.	23rd World Mining Congress	Montreal, Canada	Aug 11-15, 2013	5
19.	National user Workshop on ENVIS Network Websites Restructuring	IIC, Annex, New Delhi	February, 19, 2013	1
20.	National user Workshop on India State-Level Basic Environmental Information Database(ISBEID)	IIC, Annex, New Delhi	February, 18, 2013	1
21.	India Mineral Congress & Exhibition on Sustainable Mineral Development Integrating CSR and Ecological	ISM Dhanbad	February 2, 2013	1
22.	National Evaluation Workshop for ENVIS Centers	DMI Bhopal	Aug 13-14, 2012	2
23.	Indian Conference on Mine Surveying	ISM Dhanbad	Oct 28-29, 2012	2
24.	Training on MIS:WEB –Based Management Information system	Jadavpur Univ (2nd Campus), Kolkata	10-11 July 2012	2
25.	9th International Mining History Congress	Johannesburg, South Africa	April 17-20, 2012	4
26.	Sustainable Development of Groundwater Resources in Industrial Regions	ISM Dhanbad	March 22-23, 2012	2
27.	4th Asian Mining Congress	MGMI, Kolkata	January 29-31, 2012	3
28.	All India Seminar on Advances in Mine Production and Safety	CIMFR, Dhanbad	August 26-27, 2011	2
29.	National Seminar on Drills & Drilling – An update (D&DU – 2010)	ISM, Dhanbad	Sep 23 – 24, 2010	2

30.	National Seminar on Fly Ash Opportunity for Mining Sector	C-Farm & CPSI NEW DELHI	August 26-27, 2010	2
31.	3rd Asian Mining Congress	MGMI, Kolkata	January 22-25, 2010	3
32.	Environmental Issues in Mining Sector – Legal; and Statuary Requirements (As per MoEF Guidelines)	ESCI, Hyderabad	December 09-11, 2009	3
33.	National Workshop on Mining, Natural Resources and Livelihoods	By SPWD New Delhi at Ashok	March 19-20, 2009	2
34.	Management of Energy Resources – Issues And Challenges (MERIC-2009)	ISMU Dhanbad	January 31- February 0 ,	2
35.	National Seminar on Crushing, Screening & Conveying	ISMU Dhanbad	September 11- 12, 2008	2
36.	19th National Convention of Mining Engineers & National Seminar on Disaster in Mines	ISMU Dhanbad	March 10-11, 2008	2
37.	Conference on Emerging Trends in Mining and Allied Industries	NIT Rourkela	February 2-3, 2008	2
38.	1st International Conferences on Managing the Social and Environmental Consequences of Coal Mining in India	IIC, New Delhi	November 19-21, 2007	3
39.	Workshop on Information Management in digital age	CSE, New Delhi	August, 21 – 24, 2007	4
40.	National Seminar on Industrial Waste Management	NIT Rourkela	January, 13, 2007	1
41.	Geo statistical Models in Grade Control	IIT Kharagpur	September 05- 09, 2005	5
42.	National Seminar on Mineral Exploration Mining and Mineral Beneficiation: A Road map to vision 2020	MEAI & Anna univ. at CLRI Chennai	May 20-21, 2005	2
43.	Faculty Orientation Programme	Anna University, Chennai	May 3 – 5, 2005	3
44.	International Conference on Technology and Management for Sustainable Exploitation of Minerals and Natural	IIT Kharagpur	February 5-7, 2004	3
45.	National workshop and seminar on “ Sustainable Development of Coastal placer Minerals” (PLACER-2004)	NISM, Kolkata & CMRI Dhanbad at	January 31 – February 02,	3
46.	3rd International Conference on Fly Ash Utilisation and Disposal” Central Board of Irrigation and Power	CBIP, New Delhi	February 19-21, 2003	3
46.	'National Seminar on Status of Environmental management in Mining Industry - SEMMI-2003	IT BHU Varanasi	January 17 -18, 2003	2
47.	RDBMS with Oracle and Java JDBC	IIT Kharagpur	June 18 – July 04, 2001	15
48.	Object Oriented Programming with C++ and JAVA	IIT Kharagpur	May 21 –June 06, 2001	15
49.	International Conference on Technology Management for Mining Processing and Environment (TMMPE-2000).	IIT Kharagpur	December 1-3, 2000	3

MEMBERSHIP OF PROFESSIONAL BODIES

1. Mining Engineers Association of India - Life Membership (LM-2449)
2. The Mining, Geological & Metallurgical Institute of India – Life Membership (LM 9440)
3. The Institution of Engineers (India) – Member (M-141042-8)
4. Indian Association of Environmental Management
5. Life member Indian Water Works Association
6. Life Member – Indian Society of Remote Sensing (L-4960)
7. NABET-QCI accreditation for preparation of EIA as Functional Area Expert for Land use, Air Pollution & Solid waste

SPECIAL LECTURES AT VARIOUS SHORT TERMS & TRAINING COURSES

- Series of Lecture taken in Green Skill Development Programme (GSDP) sponsored by MOEF & CC organized by ENVIS Centre, Dept of ESE, IIT(ISM) Dhanbad during Aug 13, 2018 to Oct 12, 2018.
- Lecture in Refresher course On Environmental Science and Disaster Management on at UGC-HRD, Ranchi University June 27, 2018.
- Lecture on EIA of mining projects for Four weeks advanced training on Mining operations for HZL young underground mining engineers during Jan 22 -Feb 15, 2015.

- Lecture on remote sensing & GIS in two weeks training programme on EIA of Mining Projects for Afghanistan officials sponsored by Ministry of External Affairs, Govt of India at ISM Dhanbad, December 06-22, 2014.
- Lecture on remote sensing & GIS in two weeks training programme on Mining Environment and Sustainable Development for Afghanistan officials sponsored by Ministry of External Affairs, Govt of India at ISM Dhanbad, August 2014.
- Lecture on remote sensing & GIS. Air pollution and Mine fire in two week short course on Mining Environment and sustainable development for the study Abroad-India Programme for University of South Florida-St. Petersburg at ISM Dhanbad, August 2014
- Lecture on Role of remote sensing & GIS in surveying and role of surveying in EIA preparation in 6 weeks Intensive Course on advances in Mine Surveying Technology at ISM Dhanbad, Sep 2013.
- Guest Lecture at Tata Steel Jamadoba on Environmental laws on April 06, 2013
- Lecture on Air Pollution and its impact on Mining at one week Executive Development Programme for participants from Mozambique and Tata Steel, 2011 at ISM Dhanbad.
- Lecture on Artisanal and small scale mining at one week Executive Development Programme on Sustainable Management of Mineral Resources for Nigerian Official Sponsored by the World Bank, August - September, 2011 ISM, Dhanbad
- Lecture on Air Pollution and Remote Sensing & GIS at off-campus programme on Mining Environment & Ecology” for Steel Authority of India Limited (SAIL) at Management Training Institute, Ranchi from June 13-15, 2011.
- Lecture at Department of Mining Engineering, NIT Rourkela on remote sensing & GIS on April 21, 2011.
- Lecture at one week Executive Development Programme on Sustainable Management of Mineral Resources for Nigerian Official Sponsored by the World Bank, August 30- September 5, 2010 ISM, Dhanbad
- Invited Talk at Department of Mining Engineering, NIT Rourkela on Air pollution control & Management and Remote sensing & GIS on August 24, 2010.
- Lecture at two week Executive Development Programme on Capacity building for Sustainable Environment and Social Management in Mining Sector in Afghanistan Management in Coal Mining Areas, Dec 30, 2009 – Jan 13, 2010 ISM, Dhanbad
- Invited Talk on Fly ash utilisation and impact on society at National Workshop on Mining, Natural Resources and Livelihoods Organised by SPWD, New Delhi, March 2009
- Lecture at one week Executive Development Programme on Environmental Management in Coal Mining Areas, April 28-May 3, 2008, ISM University, Dhanbad
- Special Lecture at MEAI Annual Meeting at Chennai, India on Noise Pollution and its impact on Society, 2006

ACHIVEMENTS

- Appointed as expert member by the High Court of Jharkhand, Ranchi for environmental issues and safety of workers in thermal power stations of Jharkhand on order of Supreme Court of India.
- Appointed as expert member on Air Pollution at ICFRE, Dehradun for development of Environmental Performance rating index for Indian coal mines, 2018
- Appointed as expert member for control of air pollution at MOEFCC under the chairmanship of Honorable Minister of Environment, Govt. of India, 2017
- Participated and presented a paper at 23rd World Mining Congress, Montreal, Canada, August 11-15, 2013.
- Observer for ISM Entrance Examination for JRF & MSc & MSc. Tech at Chennai 2012 and Indore 2013.
- External Examiner for Viva Voce of M.Tech. Practical exam and Thesis at NIFFT, Ranchi
- Participated and presented a paper at 9th International Mining History Congress, Johannesburg, South Africa, during April 17-20, 2012
- Member for BOCs for Syllabus revision of M.Tech. – Environmental Engineering, NIIFT Ranchi
- Question paper setter for JRF entrance of Environmental Engineering at Sharda University, Noida, U.P.
- Observer for ISM Entrance Examination for JRF & M.Tech at Chennai in 2012
- Selected as External Question paper setter for various examination of M.Tech. -Environmental Engineering at NIFFT Ranchi.
- Member of the Organizing committee in 1st International Conferences on Managing the Social and Environmental Consequences of Coal Mining in India, IIC, New Delhi, 19-21 Nov. 2007
- Selected as a Reviewer at Journal of Environmental Management, Publication of Elsevier Publication.
- Member of the technical committee of National Seminar on Mineral Exploration Mining and Mineral Beneficiation: A Road map to vision 2020, May 20-21, 2005.
- Award of Research Associate (R.A.) fellowship by CSIR, New Delhi, India (2004)
- One of the editor for the proceedings of International Conference on Technology and Management for Sustainable Exploitation of Minerals and Natural resources, IIT Kharagpur, February 5-7, 2004.

- Award of additional financial assistantship for meritorious scholar by I.I.T. Kharagpur (2002-2003).
- Merit scholarship in Junior high school & Intermediate.

EXTRA ACTIVITES

- Gas testing certificate.
- First aid certificate.
- “B” certificate of public welfare committee.
- Indian scouts and guides association certificate.

TRAININGS

S.No.	Organisation	Nature	Duration
1.	Silewara Mine, Western Coalfields.Ltd. , Nagpur	Underground	30 days (1.6.95-30.6.95)
2	Bina Project, Northern Coalfields Ltd. , Singrauli	Opencast	32 days (6.10.95-7.11.95)
3.	Girgita Mine, Maihar Lime & Stone Co. Ltd., Maihar	Opencast	47 days (15.5.95-30.6.96)
4.	Gevra Project, South Eastern Coalfields Ltd. , Bilaspur	Open cast	29 days (29.9.96- 28.10.96)

COMPUTER EXPOSURE

OperatingSystemWindows- 9x/NT/2000/XP, MS - DOS, Linux

ProgrammingLanguage- Fortran-77, C++, HTML, JAVA

RDBMS- FoxPro, Oracle ,

Different software for statistics analysis, FEM Packages, GIS and its application and related software, Fm-pro, MS-Access, Dspace, Koha

- System administration - Linux server, Departmental web site and daily handling of departmental computer wealth.

(MANISHKUMARJAIN)

Date
Place