Dr. Brijesh Kumar Mishra		
Associate Professor Dept. of Environmental. Sci. & Engg. Indian Institute of Technology (ISM) Dhanbad, Jharkhand- 826004	**brijesh@iitism.ac.in** **bkmishra3@gmail.com** **bkmishra3@rediffmail.com** **+91-326-235752 (O);** **+91-9471191704 (Mob)**	

ACADEMIC BACKGROUND

Name of Degree	Branch / Specialization	College/Institute/University	Year
Ph.D.	Environmental Sci. & Engineering	IIT(ISM) Dhanbad, Jharkhand, India	**2014**
M. Tech	Environmental Engineering	MNNIT Allahabad, UP, India	**2004**
B. Tech	Agriculture Engineering	AAI-DU, Allahabad, UP, India	**2002**

RESEARCH INTERESTS

1. Water and Wastewater Treatment (Design, Feasibility, and Technology development)
2. Water Quality Monitoring, Assessment & Its Management
3. Pollution Exposure and Human Health Risk Assessment.
4. Mine Environment Management.
5. Utilization/Treatment/Disposal of Industrial Waste.
6. Environmental Audit.

PROFESSIONAL APPOINTMENTS

1. **12.04.2021 to Till Now:** Associate Professor of Env. Sci. & Engg., IIT(ISM), Dhanbad
2. **14.06.2011 to 11.04.2021:** Assistant Professor of Env. Sci. & Engg., IIT(ISM), Dhanbad

LIST OF PUBLICATION:

1. International Journal (SCI/SCIE Index): **53 (Average Impact factor: 5.14)**
2. International Journal (Scopus Index): **03**
3. Book Chapter: **11**
4. International & National Conference: **32**

RESEARCH GUIDANCE

1. RA/IPDF: 02+01 **(Ongoing)**
2. Ph. D Guidance **(Awarded): 07** (Sole Guide) **+ 02** (Co-guide)
3. Ph. D Guidance **(Ongoing): 05** (Sole Guide: Regular) **+07** (Sole Guide: Part Time)
4. M. Tech Guidance **(Awarded)**: **24** (Sole Guide) **+ 01** (Co-guide)
5. M. Tech Guidance **(Ongoing)**: **01** (Sole Guide)
6. M.Sc Guidance **(Awarded): 08** (Sole Guide) **+ 02** (Co-guide)

RESEARCH PROJECTS

1. Research Projects: **14 (Completed)+** 02 (Ongoing)
2. Consultancy Projects: **31 (Completed)** +06 (Ongoing)

PATENT

1. Patent Published: 01

DETAILS OF COURSE TAUGHT

1. Basics of Environmental Engineering- NESE 101: (B Tech Civil Engg)
2. Drinking Water Supply and Treatment- NESC 101: (B Tech Env Engg)
3. Earth System Science-ESD12301: (B. Tech Common)
4. Pollution Control and Management-ESE 201: (B Tech common, ESO)
5. Water and Wastewater Engineering-ESM 16101: (B. Tech Minor)
6. Introduction to Environmental Engineering-ESM 15101: (B. Tech Minor)
7. Principle & Design of Water Supply System-ESC 16101: (B. Tech Env. Engg.)
8. Environmental Engineering Design-II (S)-ESH 17102: (B. Tech Env. Engg.)
9. Environmental Engineering-I- ESC14151: (B Tech Civil Engg.)
10. Environmental Engineering-II- ESC15151: (B Tech Civil Engg.)
11. Environmental Chemistry-ESC 51103: (M. Tech Environmental Science & Engg)
12. Water Supply and Treatment-ESC 502: (M. Tech Env. Science & Engg)
13. Environmental Engineering-ESE 52101: (M. Tech Fuel Engg.)
14. Advanced Water & Wastewater Treatment-ESD 505: (B Tech & M Tech)
15. Research Methodology-ESC 700: (Research Scholar of ESE)

DETAILS OF ADMINISTRATIVE EXPERIENCE

1. Expert member for Expert Procurement Committee Jharkhand Pollution Control Board **(August 2024 to till now)**
2. Expert Member for Technical Expert Committee for implementation of "Framework on Identification of Materials Generated from Industrial Processes as Waste or By-Products" Government of Jharkhand **(May 2024 to till now)**
3. Expert Member in the State Level Task Force Committee of Department of Health, Medical Education, & Family Welfare, Government of Jharkhand **(March 2024 to till now)**
4. Empanelment as experts in AICTE **(February 2024 to till now)**
5. Expert member of the Technical cum verification committee of Jharkhand Pollution Control Board **(June 2022 to till now)**
6. Departmental Training & Placement In charge **(March 2022 to May 2024)**
7. Convener DPGC **(September 2022 to October 2024)**
8. Departmental member of NABL **(July 2020 to till now)**
9. Nodal Officer/Coordinator of Key resource center **(June 2021 to till now)**
10. Expert member of STAC committee of Jharkhand Government **(May 2018 to till now)**
11. Departmental in charge of Environmental laboratories of CPCB, New Delhi **(February 2018 to till now)**
12. Departmental coordinator of CRF **(January 2017 to till now)**
13. Laboratory in-charge of Environmental Chemistry lab **(Since July 2012 to till now)**
14. Member M Tech admission committee **(November 2021 to October 2022)**
15. Member of DUGC **(August 2018 to September 2022)**
16. Member of DFSC **(October 2018 to November 2020)**
17. Timetable in-charge **(January 2016 to August 2020)**
18. Departmental coordinator of Library **(January 2012 to December 2018)**

MEMBER OF PROFESSIONAL BODIES

1. Indian water works association (Lifetime)
2. The Mining, geological and metallurgical institute of India (Life time-10163)

DETAILS OF PATENT FILLED/PUBLISHED/GRANTED

Sl. No.	Title of the Patent	Inventor(s)	Status (granted/ published/ filed)	Patent No/Patent Application No.
1	An adsorbent from cow dung for the removal of metal ions from wastewater and further use as an electrode in supercapacitor	Dr. Sonalika, Dr. Sourav Acharya, Dr Brijesh Kumar Mishra, and Dr Ganesh Chandra Nayak	Published	202431094763

DETAILS OF ONGOING/COMPLETED PROJECTS

A) Details of ongoing/completed R&D projects

Research Projects (16)			
S&T Projects	**Industry projects**	**Institute Projects**	**TEQIP**
08	**04**	**03**	**01**

S. No	**Title of the Project**	**Funding Agency**	**Sanctioned Date & Amount (Lakhs)**	**Role**	**Status**
1.	Impact of Climate Change on vulnerable aquifer in and around Industrial and Mining Areas of Damodar River Basin (Eastern India) using GIS based Modified DRASTIC Model and Global Climate Model **(SRDP 1158 G)**	Ministry of Jal Shakti	DoS: 20.12.2024 Amount: 78.79	Co-PI	Ongoing
2.	Cow dung derived hybrid adsorbent for heavy metal removal and its subsequent utilization as cheaper electrodes for energy storage devices **(DST(SEED)(290)/2021-2022/805/ESE)**	DST	DoS:25.06.2021 Amount: 36.16	PI	Ongoing
3.	Inspection of GPIs for Compliance Verification **(CPCB(MoEF&CC)/2023-24/1098/ESE)**	CPCB (MoEF&CC)	DoS: 26.03.2024 Amount: 11.68	Co-PI	Completed
4.	Key resource centre **(DDWS(NJJM)/2021-2022/807/ESE)**	Ministry of Jal Shakti	DoS:23.07.2021 Amount: 1.77	PI	Completed
5.	Identification of suitable sites and designing of environmental friendly rainwater harvesting structures for	IIT(ISM)	DoS:23.06.2021 Amount: 8.80	Co-PI	Completed

	catching the rain where it falls when it falls in the IIT(ISM) campus area **(DRD-11014/43/2021-ES)**				
6.	High Ash Coal Gasification and Associated Upstream and Downstream Processes (Coal to Chemicals, CTC) **CIL (8)/2017-2018/539/CHEMICAL ENGG**	CIL	DoS:17.07.2017 Amount:1872.007	Co-PI	Completed
7.	Remediation of Ground Water Contaminated with Hexavalent Chromium in Sukhina Valley, Odihsa, using Nano Zero Valent Iron (nZVI) Technology **(MoEF(1)2015- 16/443/ESE)**	MoEF&CC	DoS:03.03.2017 Amount: 24.80	Co-PI	Completed
8.	Monitoring of air quality and analysis of water samples and noise monitoring at different points of Washery of Chasnalla. **(SAIL/2018-19/617/ESE)**	SAIL	DoS:09.01.2019 Amount: 8.49	PI	Completed
9.	Hydrological study and assessment of ground water/surface water **(HINDALCO/2020-2021/717/ESE)**	Hindalco	DoS:02.05.2018 Amount: 6.75	PI	Completed
10.	Monitoring of air quality and analysis of water samples monitoring at different points of Washery of Jitpur. **(SAIL/2018-19/621/ESE)**	SAIL	DoS: 26.11.2018 Amount: 4.99	Co-PI	Completed
11.	Influence of Chlorine Disinfectant and Natural Organic Matter Gradients on Disinfection By-Product Formation in Drinking Water of Some Indian Cities **(DST(95)/2013-2014/ 381/ESE)**	SERB-DST	DoS:14.02.2014 Amount: 23.186	PI	Completed
12.	Control of Disinfection by Products formation in drinking water supplies of India **MDWS/2015-16/453/ESE)**	MRD, New Delhi	DoS:15.03.2016 Amount: 25.2	Co-PI	Completed
13.	Study to develop and improved nitrification in AIS at BOT Plant **Tata Steel/2017-18/535/ESE**	Tata Steel	DoS:03.05.2017 Amount: 11.80	Co-PI	Completed
14.	Investigation of the electrocoagulation technique process for the removal of Fe (II) from tap water of ISM campus **(TEQIP/BKM/ESE)**	TEQIP - II	DoS:01.06.2013 Amount: 1.00	PI	Completed
15.	Assessment of disinfection requirement for drinking water in	ISM Dhanbad	DoS:01.09.2012 Amount:0.99	PI	Completed

	ISM Campus Dhanbad **(Minor/BKM/ESE)**				
16.	Electro Kinetic Removal of Toxic Contaminants from Municipal Sewage Sludge **(FRS(39)/2012-13/ESE)**	ISM Dhanbad	DoS:01.03.2013 Amount:8.65	PI	Completed

B) Details of ongoing/completed consultancy projects

Consultancy Projects (37)	
PSU/Government	**Private/Ltd**
18	**19**

S. No.	**Consultancy Name**	**Funding agency**	**Amount (Lakhs)**	**Role**	**Status**
1.	A Scientific Study for the Comprehensive Environmental and Stability Assessment of Iron Ore Tailings **(CONS 7395 C)**	Lloyds Metals & Energy Ltd	53.10	CI	Ongoing
2.	Assessment of EC compliance conditions at Sonepur Bazari OpenCast Project of Eastern Coalfields Limited **(CONS 7369 C)**	M/s ECL	9.44	CI	Ongoing
3.	Scientific Study for Investigation of Mine-wise water Availability and Potential for Community Use in ECL **(CONS 7299 C)**	M/s ECL	112.10	CI	Ongoing
4.	Study of Ground water and Surface water around Red Mud Pond and nearby area of Muri Unit **(CONS/7243/2024-25)**	M/s Hindalco	9.44	CI	Ongoing
5.	Vetting of Intake Arrangement Drawings at Rukka Dam, Ranchi, Jharkhand **(CONS 7290 C)**	M/s Mata Rani Construction	3.54	CI	Ongoing
6.	Vetting of Structural Drawing based on Design Woek of Major Upgradation and Redevelopment of Ranchi Railway Station of South Eastern Railway. **(CONS/7226/2024-25)**	R K S Construction Pvt Ltd.	11.80	Co-CI	Ongoing
7.	Scientific study for Environmental Impact Assessment & Risk Analysis for Utilization of Red Mud for NHAI Road Project in Jharkhand **(CONS 7320 C)**	M/s Hindalco	53.10	CI	Completed

8.	Characterization and Environmental Significance of Waste Tailings Generated from BHQ Beneficiation Plant and its Feasibility study of Utilization (in the form of wet and coarse tailings) for different related Industrial Use. **(CONS 7313 C)**	Lloyds Metals & Energy Ltd	17.7	CI	Completed
9.	Engagement of technical consultant for Study and Provide an Action Plan for 100% Ash Utilization **(CONS/7202/2023-24)**	Lanco Anpara	11.80	CI	Completed
10.	Environmental Sustainability Management Study of the Surjagarh Iron Ore Mining project **(CONS/7176/2023-24)**	Lloyds Metals & Energy Ltd	23.60	CI	Completed
11.	Surface And Groundwater Sampling And Analysis Of Muri Unit **(CONS/7152/2023-24)**	Hindalco, Muri	3.54	CI	Completed
12.	Environmental Studies for Pond Ash Filling in Coal Mines Voids **(CONS/7069/2022-23)**	NTPC	47.20	CI	Completed
13.	Cumulative Impact Assessment Study, Carrying Capacity Study and Ecosystem Services Study as per condition of terms of References (ToR) for Expansion of Nigahi Opencast Mining Project from 21 Mtpa to 25 Mtpa with increase in leasehold area from 3018.40 ha to 3582.732 ha. **(CONS/6096/2021-2022)**	NCL	130.626	Co-CI	Completed
14.	Validation of Data quantitative for Coal Jal App with respect to ECL **(TEST/4012/2018-2019)**	ECL	21.43	Co-CI	Completed
15.	Validation of Data Quantitative for Coal Jal App with respect to ECL **(TEST/4010/2018-2019)**	ECL	21.00	Co-CI	Completed
16.	Validation of Data Quantitative for Coal Jal App with respect to BCCL **(TEST/4009/2018-2019)**	BCCL	12.803	CI	Completed
17.	Validation of Data Quantitative for Coal Jal App with respect to CCL **(TEST/4008/2018-2019)**	CCL	12.272	CI	Completed
18.	Assessment of heavy metal pollution index (HPI) in water, sediments and aquatic samples in and around Manikpur open cast mine fly ash fill site. **(CONS/4096/2018-2019)**	NTPC, Kirandul	28.32	CI	Completed
19.	Monitoring of Air quality and analysis of water samples at different points of washery at Chasnalla **(CONS/3871/2018-**	SAIL	6.73	Co-CI	Completed

	2019)				
20.	Assessment of ground and surface water at Muri. **(CONS/3870/18-19)**	Hindalco, Muri	6.75	CI	Completed
21.	Assessment of Surface Water at Different Locations of Dhanbad **(CONS/3829/2018-2019)**	Tata Consulting Ltd.	2.47	CI	Completed
22.	Water quality Analysis of Surface and Mine Water at Block - B, NCL Singrauli. **(CONS/3732/2017-2018)**	NCL	1.24	CI	Completed
23.	Analysis of Mercury Content in 22 Coal Samples. **(CONS/3709/2017-2018)**	NCL	1.30	CI	Completed
24.	Assessment of Ground Water and Surfae Water at Muri. **(CONS/3519/2017-2018)**	Hindalco	2.99	CI	Completed
25.	Monitoriing of Air Quality analysis and Water Samples at differenbt paint of Washery Chasnalla. **(CONS/3507/2017-2018)**	SAIL	1.72	Co-CI	Completed
26.	Techno Economic Study for Transportation for fly ash from CSPGCL Korba to Manikpur Open Cast Mines. **(CONS/3469/16-17)**	CSEB	28.32	CI	Completed
27.	Assessment of ground water and surface water at Muri **(CONS/3196/2016-2017)**	Hindalco	2.96	CI	Completed
28.	Water Quality and Treatment Plant Operation **(CONS/3404/2016-2017)**	NCL	2.20	CI	Completed
29.	Feasibility Study of STP at West Bokaro Division (WBD) **(CONS/3300/2016-2017)**	Tata Steel	16.68	Member	Completed
30.	Environmental Audit of Matrix Fertilizer by Third Party **(CONS/3408/2016-2017)**	Matix Fertilisers	2.30	CI	Completed
31.	Geo Enviro study of abandoned mines for flyash backfilling **(CONS/2927/15-16)**	MPL	22.80	CI	Completed
32.	Testing of Water Sample near Rajrappa Area **(CONS/3021/15-16)**	HIL	1.46	CI	Completed
33.	Technical consultancy for Wastewater Management **(CONS/3049/15-16)**	NMDC,	15.10	Co-CI	Completed
34.	Technical Consultancy for Wastewater Management and Control of Water Pollution from plant and Mines of Kirandul Complex **(CONS/2794/14-15)**	NMDC	14.88	Co-CI	Completed
35.	Impact of Mining Activities on Hydrology and Hydrogeology of Core Zone Covering all 5 underground Mines of Tata Steel. **(CONS/2674/14-15)**	TSL	8.98	Co-CI	Completed
36.	Monitoring of Environmental Parameters in Respect of (i) Stack Emission test (ii) Effluent discharge test (iii) Abbient air quality test (iv) Noise level Measurement for unit 1,2,3,7 & 8 DVC CTPS	DVC	5.1	Co-CI	Completed

	Chandrapura **(CONS/2675/14-15)**				
37.	EIA Study on the impact of impact of leaching due to storage of fly ash on the surface and mine voids of the dumping **(CONS/2296/13-14)**	Hindalco Ltd	15.16	CI	Completed

Details of Associated RA/PDF/IPDF

S. No.	Name	Position	Duration
1.	Dr Sonalika Sonal	RA	27.08.2021 to 30.11.2023
2.	Dr Sourabh Acharya	RA	08-01-2024 to 21.06.2024
3.	Dr Vijay Laxmi Mohanta	RA	27.06.2024 to till now

DETAILS OF PH. D GUIDANCE

Awarded: As Sole Guide

S. No	Name of Student	Title of the Dissertation	Award Year
1.	Ms. Tanwi Priya	Spectral Indices modelling approach for the treatment of aromatic fractions of Natural Organic Matter to control Trihalomethanes precursors	2019
2.	Mr. Hariraj Singh	Electrochemical Oxidation of Phenol, Cyanide and Aniline in Coke Oven Wastewater: Parametric Optimization, Reaction Mechanism and By-product Toxicity Evaluation	2020
3.	Ms. Arkulla Deepa	Sorption and Biological degradation of Pre-treated tannery wastewater in Biochar based laboratory filters with active biofilm	2021
4.	Ms. Sonalika	Feasibility of zirconium oxychloride for the dye wastewater remediation based on coagulation and adsorption process	2021
5.	Mr Prem Prakash	Optimization of Electrokinetic Process for Removal of Organic Compounds and Metals from Soil/Sludge with Modified Electrolytes	2022
6.	Ms Astha Singh	Kinetics of Hybrid process of Electrochemical & Photo catalytic System for Removal Selected Pharmaceutical Waste	2022
7.	Ms Vijay Laxmi	Establishment of water profile near steel industry and identification of suitable disinfection cum remediation process for dominating pollutants in groundwater	2022

Awarded: Co-Guide

S. No	Name of Student	Title of the Dissertation	Award Year
1.	Ms Aliya Naz	Risk Assessment of Chromium in the Chromite Mine Water and Its Bioremediation	2017
2.	Mr Sourav Acharya	Utilization of Heavy Metal Saturated Spent Adsorbents for Development of Asymmetric Hybrid Supercapacitor	2023

Ongoing: As Sole Guide

S. No	Name of Student	Research Theme	Fellowship/Type of Registration
1.	Ms. Sikha Jha	Water & Wastewater Treatment	Institute Fellowship
2.	Mr. Aditya Tripathi	Water & Wastewater Treatment	Institute Fellowship
3.	Mr. Manoj Kumar Barakam	Water & Wastewater Treatment	Institute Fellowship
4.	Mr Kumar Gaurav	Water & Wastewater Treatment	Institute Fellowship
5.	Ms. Prachi Singh	Water & Wastewater Treatment	Externally funded
6.	Mr Sumit Dhaiya	Water & Wastewater Treatment	Part Time
7.	Ms Aakansha Singh	Water & Wastewater Treatment	Part Time
8.	Mr. Prasun Kumar Chakraborty	Water & Wastewater Treatment, Mine Environment	Part Time
9.	Mr. Vikas Kumar	Water & Wastewater Treatment, Mine Environment	Part Time
10.	Ms. Aparna Srivastava	Water & Wastewater Treatment	Part Time
11.	Mr. Sougata Mahato	Water & Wastewater Treatment	Part Time
12.	Ms. Sarika Sinha	Water & Wastewater Treatment	Part Time

DETAILS OF M. TECH GUIDANCE

Awarded: As Sole Guide

S. No.	Name of students	Title of Thesis	Award Year
1.	Pravesh Kumar Yadav	Evaluation and performance of electromagnetic system for removal efficiency of toxic contaminants from municipal sewage sludge	2013
2.	Tanmoy Hazara	Assessment of water and soil quality in opencast coal mine area, Rajrappa	2014
3.	Rakesh Kumar	Air and noise quality assessment of flyash dumping area of Rajrappa	2014
4.	Hariraj Singh	Investigation of the Electro-coagulation Treatment process for the Removal of Metals from Mine Water	2015
5.	Nitesh Kumar	In-situ influence of coal ash dump on neighboring surface and ground water	2015
6.	Vinay Anchal	Feasibility analysis of sewage treatment plant at TATA steel, West Bokaro, Jharkhand	2016
7.	Vijay Laxmi	Assessment of Removal Efficiency of Disinfection By-Products (DBPs) precursor by Enhanced Coagulation	2016
8.	Shreya Sharma	Assessment of water quality in and out abandoned mines of ECL Mugma area Using Water Quality Index(WQI)	2016
9.	Bramha Gupta	Assessment of influence of NOM and oter operational condition during chlorination and control strategies of THMs in drinking water	2017
10.	Prasun Kumar Chakraborty	Assessment of Soil fertility by direct impact of electro kinetic process on chromium contaminated soil	2017

11.	Provashish Ghosh	Characterization of biochar derived from Neem seed shell and Its Performance, kinetics, and equilibrium for the adsorption of RBBR from aqueous solution	2018
12.	Rohit Kumar	Triclosan adsorption by Graphene Oxide: Isotherms, Kinetics and Thermodynamics analyses	2018
13.	Tannu Yadav	Optimization of Air Stripping process for the removal of ammonia in coke oven wastewater.	2018
14.	Shivam Snehi	Understanding the NOM removal mechanism from Mine and surface water through electrocoagulation method	2019
15.	Subham Singh	Application of Fuzzy logic for the assessment risk associated with groundwater	2019
16.	Devayani Ugale	Ionic interaction of mine and surface water during coagulation for the removal of reactive part of NOM	2019
17.	Mamta Murmu	Fuzzy Analytical based approach for evaluation of Cancer and Non-cancer risk assessment due to Arsenic contaminated groundwater	2020
18.	Manoj Mantri	Understanding the sorption of Chromium (VI) ions using flow electrode capacitive deionization technique over conventional adsorption	2020
19.	Prateek Pathak	Remediation of e-waste contaminated soil through electrokinetic process using different electrolyte	2020
20.	Sumit Kumar	Removal of natural organic matter (NOM) in drinking water treatment by coagulation	2021
21.	Amit Kumar Arya	Synthesis of Zirconium Based Adsorbent for the Removal of Nitrate from Groundwater	2022
22.	Saikat Das	Mineralization Enhancement of Dye Wastewater by Integrating Different Advanced Oxidation Processes	2023
23.	Aaradhana Kushwaha	Heavy Metal Adsorption and Subsequent Utilization of Spent Adsorbent for Supercapacitor Development	2024
24.	Triloki Nath	Engineering and Environmental Aspects of Fly Ash Disposal in Mine Voids	2024

Awarded: Co-Guide

S. No.	Name of students	Title of Thesis	Award Year
1.	Ashish Kumar	The study on Geochemistry of Govind Ballabh Pant Sagar, Singrauli, India	2013

DETAILS OF M. SC GUIDANCE

Awarded: As Sole Guide

S. No.	Name of students	Title of Thesis	Award Year
1.	Durgesh Kumar	Assessment of Ambient Air Pollutants At Different Sites Of Allahabad City	2007
2.	Soumyajit Datta	Survey and Analysis of Solid Waste Management in Allahabad City	2007

3.	Siddharth Mishra	Impact of Sewage Pollution on Physico Chemical and Microbial Characteristics of Some Water Bodies in Allahabad District	2007
4.	Pawan Kumar Mishra	Adsorption of fluoride from aqueous solution using fly ash and sawdust	2008
5.	Anjali Singh	Monitoring of drinking water quality index at Naini Allahabad	2008
6.	Purvee Gupta	Assessment of toxic metal in tree bark and soil at road side	2009
7.	Jyoti Kumari	Monitoring of Ambient Air Pollutants At NTPC Tanda	2009
8.	Rashi Gupta	Absorption of toxic elements in radish crop & Agricultural soil treated with municipal sewage sludge	2009

Awarded: Co-Guide

S. No.	Name of students	Title of Thesis	Award Year
1.	Surabhi Singh	Study on removal of Zn from aqueous solution using tea waste as an adsorbent	2010
2.	Ibadaiahun Murthong	Study of Yamuna river water quality in Allahabad city	2010

MAJOR CONFERENCE/ REFRESHER/SHORT TERM COURSES ATTENDED

S. No.	Details
1.	Presented the research paper on the "Optimization of the operational conditions for the treatment of reactive dyes through a statistical tool: Response Surface Methodology" in 8th International Conference on Environment Science and Biotechnology (ICESB 2018) at Chulaongkorn University, Bangkok, Thailand during 19 to 21 December 2018.
2.	Presented the research paper on the "Performance Evaluation of the Electro-Coagulation Treatment Process for the Removal of Total Suspended Solids and Metals from Water" in World Congress on Sustainable Technologies (WCST-2015) at London during 14 to 16 December 2016.
3.	Presented the review paper on the in 2nd Annual International Conference on "Sustainable Energy and Environmental Sciences" at Singapore during 24 to 28 February 2013.
4.	Three days training on "Current Requirements in Environmental Impact Assessment (EIA) – Process & Procedures (as per MOEF Guidelines)" organized by ESCI, Hyderabad during January 23-25, 2012.
5.	One week short term course on "Transportation system planning and GIS Application in Engineering" Sponsored by AICTE, (Govt. of India) held on December 19 to 23 Dec, 2009 at NIT, Hamirpur,(H.P).

ORGANIZATION OF CONFERENCE/SHORT TERM COURSE (EDP)

S.No.	Particulates	Date	Role	Remark
1.	Organized two day national conference on "Sustainable Development of Groundwater	22-23 March, 2012	Treasure	Conference

	Resources in Industrial Regions SDGRIR 2012"			
2.	Organized two day national workshop on "Challenges and Opportunities for Management of Water Supplies in Rural Areas, COMWRA 2015"	23-24 January, 2015	Treasure	Workshop
3.	Organized 5-Days Training Program for Executives of different industry on "Water Quality and Treatment Plant Operation". **(CONS/3404/16-17)**	19– 23 Dec, 2016	CI	EDP
4.	Organized 3-Days Training Program for Executives of different industry/institute on "Fibre Optic sensors in environmental monitoring (FOSEM)" **(EDP/3960/2018-2019)**	22-24 June, 2017	Co-CI	EDP
5.	Organized 3-Days Training Program for Executives of different industry on "Water Quality and Treatment" **(CONS/3080/15-16)**	28-30 January, 2016	Co-CI	EDP
6.	Organized 3-Days Training Program for Executives of thermal power plants on "Water Quality and Management for Thermal Power Plants" **(EDP/3305/2016-2017)**	21-23 Sept, 2016	Co-CI	EDP
7.	Organized 3-Days Training Program for Executives of different industry on "Water Quality and Management" **(EDP/3220/2016-2017)**	25 - 27 May 2016	Co-CI	EDP
8.	Monitoring of Ecological Restoration Success and Carbon Sequestration using Remote Sensing and GIS **(EDP/3263/2016-2017)**	27-29 July, 2016	Expert Member	EDP
9.	Occupational Health, Safety & Environment **(EDP/3266/2016-2017)**	07-09 January, 2016	Expert Member	EDP
10.	Occupational Health, Safety & Environment **(EDP/3540/2017-2018)**	17-19 May, 2017	Expert Member	EDP
11.	Sustainable Coal Mining Practices' for the students of University of South Florida-St. Peterburg, USA **(EDP/3622/2017-2018)**	03-11 August, 2017	Expert Member	EDP
12.	Online Training Programme on Low-cost treatment method for Fluoride and Arsenic contaminated groundwater **(DDWS(NJJM)/2021-2022/807/ESE)**	21-22 September, 2021	CI	EDP
13.	Online Training Programme on Low-cost treatment method for Fluoride and Arsenic contaminated groundwater **(DDWS(NJJM)/2021-2022/807/ESE)**	23-24 September, 2021	CI	EDP

PUBLICATION DETAILS

A) List of Publications (SCI/SCIE)

Publication Index					
Q1	**Q2**	**Q3**	**Q4**	**Total Publication (SCI/SCIE)**	**Average I.F. (2023 JIF)**
27	17	07	02	53	**5.14**

S. No	Publication Details	I.F./ Ranking
1.	Dahiya, S., Singh, A., & **Mishra, B. K.* (2024).** Understanding behaviour and performance of flow electrode capacitive deionization (FCDI) during simultaneous selective removal of Cr (VI) and fluoride from brackish wastewater. Journal of Water Process Engineering. (Accepted)	6.3/Q1
2.	Tripathi, A., Dahiya, S. & **Mishra, B.K* (2024).** Next-Generation Heavy Metal Water Treatment: A Primer on Modified Capacitive Deionization. Chemical Engineering Journal (Accepted).	13.3/Q1
3.	Sonal, S., Arya, A. K., Srivastava, A., Gupta, B., & **Mishra, B. K. * (2025).** Understanding the role of oxidants for enhanced remediation of groundwater nitrate: An insight into surface modification. Materials Science and Engineering: B, 313, 117872.	3.9/Q2
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