

Curriculum Vitae

1. **Name:** Prof. (Dr.) Anil Kumar
2. **Date of Birth:** Second December, Nineteen hundred Seventy (02-12-1970)
3. **Current Position and Address:** Professor and HOD Environmental Engineering and Department of Applied Sciences & Humanities; Ex-Dean, Student and Alumni Affairs, Ex. Chairman of Training and Placement Centre, National Institute of Advanced Manufacturing and Technology (Formerly NIFFT), Ranchi-834003, Jharkhand (India)
Email: anilkumar@niamt.ac.in; akiitk_70@rediffmail.com;
Contact no. (+91) 9431330199;
<https://vidwan.inflibnet.ac.in/profile/286091>; <https://orcid.org/0000-0002-5089-2989>
Website: profanilkumar.in

4. **Educational Qualification:** Ph. D (Engineering)

Sl. No.	Degree/Certificate	Year of Passing	University/Institute	Subjects
1	Ph. D	2005	IEST Shibpur	Metallurgy & Materials Engineering
2	M. Tech.	1999	NIT, Jamshedpur	Surface Science & Engineering
3	M.Sc.	1994	Patna university, Patna	Chemistry (Spl. Organic Chemistry)
4	AMIE	2021	The Institution of Engineers(India)	Civil Engineering

5. Academic/Research Experience/ Employment

Sl. No.	From	To	Name of Organization	Position held
1	19.01.2019	Continue	NIAMT, Ranchi	Professor
2	20-03-2010	18.01.2019	NIFFT, Hatia, Ranchi	Associate Professor
3	20-03-2007	19-03-2010	NIFFT, Hatia, Ranchi	Assistant Professor
4	07-09-2006	19-03-2007	BIT Sindri, Jharkhand	Assistant Professor
5	02-06-2006	06-09-2006	IIT, Kanpur	Research Associate
6	02-06-2003	01-06-2006	CSIR-NML, Jamshedpur	Project Investigator
7.	22-05-2000	21-05-2003	Quick Hire Fellow	CSIR-NML, Jamshedpur
8.	06-11-1999	21-05-2000	Research Associate	TISCO, Jamshedpur

6. Area of specialization:

- Industrial Waste Material utilization & Environmental Engineering
- Corrosion of Metals and Interaction of Hydrogen with Metals

- Surface Engineering (Plasma processing, Surface coatings and cold rolling)

7. Honors/Awards/Recognitions:

- Best Research Paper titled “Prediction of Compressive Strength of Geopolymer Products Using Central Composite Design in 2nd International Conference on Aspects of Materials Science and Engineering" ICAMSE2021 organized by Panjab University Chandigarh on 05th – 06th March 2021 at Hyatt Regency, Chandigarh, India 2021
- First Prize Award, IET, JSC Ranchi, 2018
- Research Associate (CSIR) 2006
- A fast-track project under the Young Scientist Scheme by Department of Science & Technology, New Delhi. 2003
- CSIR-UGC- NET (Lectureship), in the year of Dec. 2001
- Award for second best poster at the 55th Annual Technical Meeting of the Indian Institute of Metals, 2001
- GATE in the year of 1997

8. Professional Affiliations:

- Fellow Member of Institution of Engineers (India) (No. F-1314722 and M-148528-2)
- Life member The Indian Science Congress Association Kolkata (No. L44897)
- Member of African Materials Research Society (No.: AMRS555)
- Associate Member of The American Ceramic Society (ACerS) (No. 2979539)
- Life Member of Materials Research Society of India. (No. LMB047)
- Life Member of Plasma Science Society of India. (No. LM 476)
- Life Member of The Indian Institute of metals (No. RO1 LM01 48625)

Editorial Board Member:

- American Journal of Environmental Science and Engineering (AJESE);
- editor for Journal “Crosscurrents: An International Peer-Reviewed Journal on Humanities & Social Sciences, ISSN: 2394-459X” effective from 01.01.2018
- Scholars Journal of Engineering and Technology
- Nano science and nano technology, whoice publishing, Singapore
- Journal of Autonomous Intelligence published by EN Press

Reviewer of Journal:

- Journal of American ceramic Society.
- American Journal of Environmental Sciences
- Transactions of the Indian Ceramic Society
- Scholars Journal of Engineering and Technology
- Global Journal of Environmental Science and Management
- Bioprocess and biosystems engineering
- Materials Express
- Advances in civil engineering
- MRS Communications

Outreach Activities related to Profession:

- Subject matter expert in the Project Appraisal committee(PAC) member for Grants for research Projects held at 7th January 2026 in Regional Science centre, Chiraundi, Morabadi, Ranchi, Jharkhand
- External Examiner for defence of Ph. D thesis: "optimising the CED (cathodic electrodeposition) paint DFT on cabins from the current levels to the targeted value, by using predictive modelling, to reduce painting cost" by Pranay Kant Prasad (2017RSCH002) from NIT Jamshedpur, India, on 21st Nov. 2025.
- External Examiner for Evaluation of Ph. D thesis: "optimising the CED (cathodic electrodeposition) paint DFT on cabins from the current levels to the targeted value, by using predictive modelling, to reduce painting cost" by Pranay Kant Prasad (2017RSCH002) from NIT Jamshedpur, India, on 22 September 2025.
- External Examiner for Evaluation of Ph. D thesis: "A Quinoline-Isatin Anchored Fluorescent probe for recognition of Magnesium ion" by Irfana Nahid (enrolment no. YBNU2003384) from YBN University, Ranchi, India, in April, 2025
- External Examiner for Evaluation of Ph. D thesis: "Studies on A Chromone Schiff Base As An Optical Aluminium Ion Chemo sensor" by Manish Kumar from YBN University, Ranchi, India, in October, 2024
- External Examiner for Evaluation of Ph. D thesis: "Remediation of industrial wastewater/effluent to recover metals using various Bio/Synthetic Adsorbents" of candidate Shilpa Kalamani Bawkar from Netaji Subhas university Jamshedpur, India in Sept. 2024
- External Examiner for Evaluation of Ph. D thesis: "Microbial Fuel cell Assisted safe Disposal of contaminant sorbed biochars" of candidate S. Raja Shajahan from Alagappa university Karaikudi Tamil Nadu, India in May 2024
- External Examiner for Evaluation of Ph. D Thesis: "Synthesis of Adsorbents from natural and waste materials and its application in removal of fluoride from an aqueous solution and ground water" of candidate Chandra Bhan from Babasaheb Bhimrao Ambedkar university Lucknow in Oct. 2023
- External Examiner for Evaluation of Ph. D thesis: "Fuel cell and plant cell Assisted safe Disposal of contaminant sorbed biochars" of candidate D. Krishna Veni from Alagappa university Karaikudi Tamilnadu, India in 2019
- External Examiner for Evaluation of Project Reports and Conduct of Viva-Voce for PGDEOH Programme for June-2024 TEE of IGNOU on 18th Sept. 2024 [**No. of Project reports =01**]
- External Examiner for Evaluation of Project Reports and Conduct of Viva-Voce for MSCENV Programme for June-2024 TEE of IGNOU on 18th Sept. 2024 [**No. of Project reports =21**]
- External Examiner for Evaluation of Project Reports and Conduct of Viva-Voce for MSCENV Programme for Dec. -2024 TEE of IGNOU on 8th Feb. 2025 [**No. of Project reports =21**]
- External Examiner for Evaluation of M.Sc. 4th Semester Dissertation of Students of Department of Environmental Sciences, central university of Jharkhand on 19th May 2025.
- External Examiner for Evaluation of Project Reports and Conduct of Viva-Voce for MSCENV Programme for June-2025 TEE of IGNOU on 2nd August 2025[**No. of Project reports =19**]

- External Examiner for Evaluation of Project Reports and Conduct of Viva-Voce for MSCENV Programme for June-2025 TEE of IGNOU on 29th Sept. 2025 [**No. of Project reports =06**]
- **An expert for the upgradation of JRF to SRF of Researcher in central university Jharkhand Ranchi on 14th Oct. 2025**
- **An expert in selection of CEO interview Board of Jaiswal Neco industries Limited, Nagpur in Sept. 2025**
- **An expert in selection of Assistant Professor in environmental Science in Central university Jharkhand Ranchi on July 2025.**
- A Member in selection /interview board of **Assistant Professor of NIFFT in 2015**
- An expert in selection for the post of Principal in CIT Ranchi held on 12-01-2020.
- An expert in the selection of JRF/SRF at BIT Mesra and IIT (ISM) Dhanbad
- An expert panel member of selection in the appointment of principal in CIT Ranchi.

Academic Counsellor of IGNOU:

- **Master of Science Environmental Science (MSCENV)**
- **Bachelor of Science (BSCG)**
- **Master of Arts in Environmental and Occupational Health (MAEOH)**
- **Master of Science in Renewable energy and Environment (MSCRWEE)**
- **Post Graduate certificate in Climate Change**

Outreach Program coordinator: Coordinator of online outreach program of Indian institute of remote sensing at NIAMT Ranchi from 2010.

Technical Advisor:

- **Shivalik Engineering Industries Pvt Limited , Bhilai (CG) from 1st Feb. 2023 to present**

Administrative Experiences:

- Head of Department of Environmental Engineering [25th March,2025- continue] &
 - Head of Department of Applied Sciences & Humanities [1st July 2024- continue]
 - Dean Student and Alumni Affairs and Chairman of Training and Placement Centre [From March 2022 to July 2024]
 - Chairman of Student activity (Training and Placement cell, Student induction Program, Universal Human Value, and student Fostering) as per AICTE Guidelines, Student Counselling service (SCS) cell as per AICTE Guidelines, Placement & Professional Development Centre Management Committee, Student Conduct & Disciplinary Committee [from March 2022 to July 2024]
 - Chairman of Training and Placement [From March 2022 to July2024]
 - Head of Department of Applied Sciences & Humanities [from 30-11-2015 to 26-12-2017]
9. **List of Research publications including popular articles, if any.**

1. Anurag Kumar and Anil Kumar* “Spatial mapping and visualization of earthquake data using Quantum Geographic Information System (QGIS) for seismic activity” J. Appl. Sci. Innov. Technol. 4 (2), 79-85 (2025) ISSN (Online): 2583-505X Published online: 31 December 2025

2. **Ranjana Kumari , Anil Kumar , Tamal Kanti Ghosh , Subhankar Basu “Facile synthesis of Aluminium fumarate metal–organic framework and hydroxyapatite composite with improved adsorption characteristics for efficient fluoride removal from water”** Chemical Engineering Science, 5 January 2024, 282 (2024) 119440
<https://doi.org/10.1016/j.ces.2023.119440>
3. Ranjana Kumari , AnilKumar and SubhankarBasu “Aluminium fumarate-based polymer matrix composite for selective removal of fluoride from groundwater”, Environmental Nanotechnology, Monitoring and Management 17(2022)100642,
<https://doi.org/10.1016/j.enmm.2022.100642>
4. Jitendra Prasad Singh, Manish K. Jain, Alok K, Singh, Amitava Mandal & Anil Kumar," Prediction of compressive strength of geopolymer products using central composite design," Materials Today: Proceedings 45(6) (2021) 4483-4489
<https://doi.org/10.1016/j.matpr.2020.12.989>
5. Rachit Ghosh, Sunil Kumar Gupta, Anil Kumar, and Sanjay Kumar, “Durability and Mechanical behaviour of Fly Ash- GGBFS Geopolymer concrete utilizing Bottom Ash as fine aggregate”, Transactions of Indian ceramic society 78(1) (2019) 24-33,
6. Altaf Ahmad, Ranveer Kumar and Anil Kumar, “Effect of sodium molybdate and sodium tungstate in concrete rebar corrosion " Anti- Corrosion Methods and Materials, 63(3), (2019) 253-263
7. Prateek Kumar Sharma, J.P. Singh, and Anil Kumar, “Effect of particle size on its physical and mechanical properties of fly ash based geopolymers”, Transactions of the Indian Institute of metals,72(5) (2019) 1323-1337
8. Singh JP, Deependra Kumar Sinha, Sujeet Kumar, Manish Kumar Jain & Anil Kumar, “ETP sludge as filler & the role of AOD slag & GBFS in Fly ash -slag-Sludge blended Geopolymer”, MOJ Civil Engineering ,4(5) (2018) 379-384.
9. Prateek Kumar Sharma, Thomas C. Alex, Anil Kumar and Menka Bhasin, “Physical Characteristics of Fly ash based Geopolymers”, Advance Science, Engineering and medicine.
10. Rachit Ghosh, Sunil Kumar Gupta, Anil Kumar and Sanjay Kumar, “Leaching and Efflorescence effects in geopolymer concrete”, Journal of Metallurgy and Materials Science,60(2) (2018) 79-88.
11. Rachit Ghosh, Sunil Kumar Gupta, Anil Kumar and Sanjay Kumar, “Replacement of conventional fine aggregate with bottom ash in geopolymer concrete”, Journal of Metallurgy and Materials Science, 60(3) (2018)173-187.
12. Rachit Ghosh, Anil Kumar, S. K. Gupta, Sarmishtha palit Sagar and Sanjay Kumar, “Estimation of geopolymer concrete Strength from ultrasonic pulse velocity (UPV) using high power pulser”, Journal of Building Engineering, 16(2018)39-44
13. S. Kumar, J. N. Djobo, A. Kumar and S. Kumar, “Size fractionation of brown fly ash: Utilization of grey fraction as a pozzolanic material in blended cement ", European Journal of Environmental and Civil Engineering, (2018)
14. Rajesh Chintala; R. K. Rath and Anil Kumar, “Effective utilization of Fly ash, Iron ore slime and LD -Slag in Geopolymer Mortar”, Recent trends in civil Engineering & Technology, 7(1), (2017) 9-16,
15. Rajesh Chintala, R. K. Rath and Anil Kumar, “Recovery of Iron Values from Iron ore Slimes using Reagents”, Journal of Materials and Metallurgical Engineering, 6(3), (2016) 32-43.
16. Altaf Ahmad & Anil Kumar, “Optimization of cement replacement by fly ash in compressive strength of Portland cement concrete”, Recent trends in civil Engineering & Technology, 2017

17. Sujeet Kumar, Jean Noel Yankwa Djobo, Anil Kumar & Sanjay Kumar, "Geopolymerisation behaviour of fine Iron-rich fraction of brown fly ash", *Journal of building Engineering*, 8, (2016) 172-178
18. Altaf Ahamad & Anil Kumar, "Comparative Behaviour of Nitrite and Nitrate for the Protection of Rebar Corrosion", *Journal of The Institution of Engineers (India): Series D*, 98 (2) (2017) 177-187.
19. Jyolsna Jerin, R. K. Rath and Anil Kumar, "Recovery of Iron Values from Waste Iron Ore Slime", *Journal of Materials and Metallurgical Engineering*, 6(3) (2016) 1-7
20. Jyolsna Jerin, R. K. Rath and Anil Kumar, "Partial replacement of sand & cement by Iron ore slime for concrete building material", *Recent trends in Civil Engineering & Technology (RTCET)*, 6 (2) (2016) 37-42.
21. Anil Kumar, "Effect of climate change on water resources" *Journal of Alternate Energy Sources and Technologies*, 7(1) (2016) 44-48.
22. Divya Prakash Mohabey, Neeraj Kumar Sharma & Anil Kumar, "Change detection in LULC of Sahibganj district, Jharkhand, India using Remote Sensing & GIS, *International Journal of Advancement in Remote Sensing, GIS and Geography*, 3(2) (2015)59-70.
23. Anil Kumar, "An overview idea on carbon Sequestration", *International Journal of interdisciplinary Research & Innovations*, 3(4) (2015)100-105.
24. Divya Prakash Mohabey, Jyoti B Lamay, Nishi J. Kullu, Neeraj Kumar Sharma & Anil Kumar, "Land use/land cover analysis of Santhal Pargana using satellite Remote sensing data", *Journal of Remote sensing & Earth Science*, 1(2015), 1-14.
25. Divya Prakash Mohabey & Anil Kumar, "Land use/land cover exploration & Change revealing in Devghar district part of Jharkhand using multi-temporal satellite data", *Journal of Remote sensing & GIS*, 6(2015), 1-12.
26. Deependra Kumar Sinha, A. Kumar and Sanjay Kumar, "Development of Geopolymer concrete from fly ash and bottom ash mixture", *Transactions of the Indian ceramic society*, 73 (2014),143-148.
27. Anil Kumar, "Reduction of hydrogen embrittlement of HSLA by ion implantation surface modification Technique", *Journal of Thin Films, Coating Science Technology and Application*,1(2015), 20-33.
28. Rachit Ghosh, Anil Kumar & Sanjay Kumar, "Fly ash geopolymer concrete as Future concrete", *International Journal of Advanced Scientific and Technical Research*, 6(2013)260-271.
29. Altaf Ahmad, Anil Kumar, "Chloride ion migration/ diffusion through concrete and test methods", *International Journal of Advanced Scientific and Technical Research*, 6(2013)151-180.
30. Jahangir, A. K. Singh & Anil Kumar, "Environmental impact assessment for construction and operation of the pipeline", *International Journal of Advanced Scientific and Technical research*, (2013) 426-442.
31. Deependra Kumar Sinha, A. Kumar and Sanjay Kumar, "Reduction of pollution by using Fly ash, bottom ash and granulated blast furnace slag in geo-polymer building materials", *Scholars Journal of Engineering and Technology*, 1(3), (2013) 177-182.
32. Deependra Kumar Sinha, Virendra Kumar and Anil Kumar, "Physical –chemical qualities of Damoder River water & turbidity control studies in monsoon season", *Scholars Journal of Engineering and Technology*, 1(2), (2013) 49-54.
33. Altaf Ahamad & Anil Kumar, "Review of nitrite inhibitor for protection of Rebar corrosion", *Journal of Materials and Metallurgical Engineering*, 3(1) (2013) 42-56.

34. Manoranjan Kumar Singh & Anil Kumar, "A global problem of arsenic in drinking water & Its mitigation- a review", *International Journal of Advanced Engineering Technology*, 3(1) (2012) 196-203.
35. Manoranjan Kumar Singh & Anil Kumar, "Environmental Corrosion Studies of cold rolled austenitic stainless steel", *International Journal of Advanced Scientific and Technical Research*, 2(1) (2011) 470-482.
36. Kumar Anil, Singh M.K., Das G, "Effect of cold working on the deformation induced martensite and degree of sensitization of austenitic stainless steel", *Journal of Metallurgy and Materials Science*, 51(1) (2009) 47-52.
37. Anil Kumar, "Reduction of greenhouse gases in developing countries", *Environmental -expert.com*. (online) 2008.
38. Anil Kumar, "Significant effect of deformation induced martensite on corrosion behaviour of Austenitic Stainless Steel", *Journal of Metallurgy and Materials Science*, 49(4) (2007) 237-246.
39. Anil Kumar, B. Ravi Kumar, S. Mukherjee, A. Basumallick and I. Chatto raj, "Alteration in Hydrogen absorption by and Hydrogen Permeation through an HSLA steel due to Plasma Source Ion Implantation of Nitrogen", *Metallurgical and Materials Transactions B*, 35B (6) (2004)1123-1128. (SCI)
40. S. Mukherjee, P. M. Raole, A. Kumar, I. Chatto raj, K.R.M. Rao, I. Manna, "Studies on low-energy nitrogen plasma immersion ion implantation on austenitic stainless steel and Cu- strengthen HSLA-100 steel", *Surface & Coating Technology*, (186) (2004) 282-286.
41. I. Chatto raj, A. Kumar, Swapan Dass and S. Tarafder, "Different Stages in the hydrogen embrittlement of a high strength steel", *Metals Materials and Processes*, 16(2-3) (2004) 307-312.
42. Anil Kumar, "Hot- Dip zinc coating- A comparative study: part-II", *Journal of Metallurgy and Materials Science*, 46(02) (2004)115-121.
43. A. Kumar, S. Tarafder, S. Mukherjee, S. K. Das, B. Ravi Kumar, and I. Chatteraj, "Effect of Plasma ion implantation on the hydrogen embrittlement of Cu-Strengthened HSLA-100 steel", *Journal of Materials Science*, (38) (2003) 2667-2671.
44. Indranil Chatto raj, Anil Kumar, Swapan K. Das, Mita Tarafder & Soumitra Tarafder, "Factors influencing the extent of hydrogen enhanced brittle cracking in a Cu – Strengthened HSLA steel during monotonic loading", *Z. Metal Kunde*, (94) (2003)1228-1233.
45. Raghuvir Singh, B. Ravi Kumar, A. Kumar, P.K. Dey, and I. Chatto raj, "The effects of cold working on Sensitization and Intergranular corrosion behaviour of AISI 304SS" *Metallurgical and Materials Transactions A*, 34A (2003)2441-2447.
46. Anil Kumar & G. Jha, "Hot- Dip zinc coating A comparative study", *Journal of Metallurgy and Materials Science*, 43 (1) (2001) 9-16.
47. Anil Kumar, A.S Khanna and M.K. Banerjee, "Epoxy Coating for Re-bar –A Study", *Journal of Metallurgy and Materials Science*, 43(3) (2001)189-195.

10. Number of books authored/edited:

- Ion Implantation effect on hydrogen permeation and embrittlement of HSLA, ISBN13: 978-3659140341 Publisher: LAP Lambert Academic Publishing Germany, Published date: October 6, 2012
- Development of building components by Geopolymer method by Deependra Kumar Sinha and Anil Kumar, ISBN-13: **978-620-2-51480-4**, Publisher: LAP Lambert Academic Publishing Germany, Published date: **(2020-04-14)**
- A Passport of Chemistry for B.Sc.

Chapter in Book:

- “MOF Encapsulated beads for Fluoride Removal From Water” Ranjana Kumari Anil Kumar, Subhankar Basu, book in Environmental Science & Engineering, published by Springer, 12th may 2022, ISBN No. 1863-5520,
- “Durability properties of admixture of fly ash, bottom ash and GBFS” Kumar Anil , P. Jitendra Singh, K. Manish Jain, and K. Deependra Sinha **in** “Proceedings of International Conference on Innovative Technologies for Clean and Sustainable Development (ICITCSD – 2021)” sponsored by Springer, Switzerland, 2021, ISBN: 978-3-030-93935-9; https://doi.org/10.1007/978-3-030-93936-6_55
- “Introduction of Inhibitors, mechanism and application for protection of steel reinforcement corrosion in concrete” Anil Kumar published in Corrosion book in Intech Open, October. 2020 ISBN No. 978-1-78985-256-1; DOI:10.5772/intechopen.92374
- “A global problem of arsenic in drinking water & Its mitigation” M.K. Singh & **Anil Kumar** Book on Water Pollution and its Recent challenges published by DAYA Publishing House, Delhi, Book code# D-90423 ISBN 13 9788170357889, ISBN10 8170357888, Year: 2012
- “Solar photo catalytic technique for the water purification” Subrata Saha and **Anil Kumar** Book on Water Pollution and its Recent challenges published by DAYA Publishing House, Delhi, Book code# D-90423 ISBN 13 9788170357889, ISBN10 8170357888, Year: 2012
- “An overview of Microbial degradation of petroleum hydrocarbon contaminants” Nitin Kumar and **Anil Kumar**, Book on Water Pollution and its Recent challenges published by DAYA Publishing House, Delhi, Book code# D-90423 ISBN 13 9788170357889, ISBN10 8170357888, Year: 2012
- “Controlling the environmental pollution eco-friendly through Microbes and Biotechnology” Jahangir and **Anil Kumar** Book on Water Pollution and its Recent challenges published by DAYA Publishing House, Delhi, Book code# D-90423 ISBN 13 9788170357889, ISBN10 8170357888, Year: 2012
- “Separation of Iron Bearing Minerals from Slime by Flotation” Shivesh Kumar, R.K.Rath, R. Singh and Anil Kumar; XI International Seminar on Mineral Processing Technology published by Allied Publishers Pvt. Ltd, 2010, ISBN no. 978-81-87053-69-7
- “Characterisation and surface chemical studies on ultrafine Iron Ore” A.k Kar. R.K.Rath, M.K.Mohanta, R. Singh and Anil Kumar; XI International Seminar on Mineral Processing Technology published by Allied Publishers Pvt. Ltd, 2010, ISBN no. 978-81-87053-69-7

11. (a) Number of patents/ copy rights/trade mark/IPR granted/ applied for & highlights of translational research contributions: **NA**

(b) Technologies developed, Licensed and/or commercialized with details. **NA**

12. Dissertations supervised:

(a) Ph. D:

Ph. D Thesis supervised (completed/ongoing)

Sl. No.	Title of the Thesis & Name of Student	Research area	Registration date	Guide/	Awarded date
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				Co-Guide	
1.	The corrosion behaviour studies of cold rolled austenitic stainless steel. Manoranjan Kumar Singh	Corrosion Sci. & Eng.	12.09.2008	Guide	Awarded 2015
2	Development of eco-friendly geopolymer products based on steel industry slag, fly ash and bottom ash. Deependra Kumar Sinha	Environ. Eng.	15.052015	Guide	Awarded 2018
3	Studies of Corrosion behaviour of Rebar embedded in concrete and its prevention. Altaf Ahamad	Corrosion Sci & Eng.	22.03.2012	Guide	Awarded 2018
4	Performance Evaluation of Fly ash based Geopolymer Concrete using Bottom ash as fine Aggregate. Rachit Ghosh (2014DR1064) from IIT (ISM)- Dhanbad	Civil Engineering	2014	Co-Guide	Awarded 24 August 2020
5	Development of MOF based material for Fluoride removal from water By MS. Ranjana Kumari	Environ. Eng.	2026	Guide	submitted

(b) Post-Graduation: M. Tech. dissertations supervised (completed): 46

Additional Information:

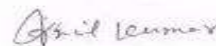
Programme Attendant/ participated:

- Participated Academic Leadership Programme under the aegis of Malaviya Mission Teacher Training Programme Ministry of Education, Government of India conducted by Indian institute of Management Bangalore, India December01-05,2025
- Participated Nurturing Future Leadership Programme under MMTTP for Senior Faculty members March 17th to 21st ,2025 conducted by Indian Institute of Management Nagpur, India.
- Invited Speech on “Studies of Eco-friendly Geopolymer Products using steel Industry Slag, Flyash and bottom Ash” in the National Seminar on clean Environment Envisioned Towards Viksit Bharat (CEEVB) organised by department of Environmental Sciences during 11th and 12th March 2025 at central university of Jharkhand, Ranchi, India
- A talk delivered on “waste to wealth – possibilities in steel industries” at Jayaswal Neco Industries Limited on 22nd March, 2025
- Successfully completed and secured an ‘A’ grade the “NGP-DST Summer School on Geospatial Science and Technology (Level 2: Theme- Mountain Disaster Management-Landslide) conducted from 02/06/2022 to 22/06/2022 by Department of civil Engineering Chitkara University, Himachal Pradesh and Supported by National Geospatial Program-DST, GOVT. of India, New Delhi.
- Successfully completed and Awarded certificate the NNRMS Course on “ RS & GIS technology & Applications (online-mode)” conducted by the Indian Institute of Remote Sensing during June 07-24, 2021.

- Participated in Short Term Course on Importance of Environmental Engineering and Climate Change conducted by Department of Civil Engineering, NIT Meghalaya, under the Technical Education Quality Improvement Programme (TEQIP III) held on 12-16 March, 2021
- Successfully completed Training course on “ Application of Remote Sensing & GIS in Forest Resource Assessment” held at Forest Informatics Division, FRI, Dehradun during 25th to 29th September, 2017.
- Off-Campus Outreach Coordinator Certificate on “Basics of Remote Sensing, Geographical information System & Global Navigation Satellite System” conducted by Indian Institute of Remote Sensing from August 22 to November 18, 2016 [IIRS/DLP/18DLP/113]
- Awarded certificate on “Remote Sensing, Geographical information System & Global Navigation Satellite System” conducted by Indian Institute of Remote Sensing from August 10 to November 27, 2015 [Enrollment No. EDU152015113170]
- Participated in the Four Day international Training Workshop on Environmental Statistics for Professionals conducted jointly by IIT Bombay and Thadomal Shahani Engineering College during December 27-30, 2011
- Participated in the Five -day CEP course on Pollution Control Techniques for Distillery Waste conducted by IIT Bombay during June 5-9, 2007
- Participated in the workshop on Electron Microscope held from 2nd to 5th April 2007 in NIFFT Ranchi.
- Participated an AICTE approved course under staff Development Programme on “ Selection of Steels for Engineering Applications” held at NIFFT Hatia Ranchi during February 12-23, 2007
- Participated in the In-Company Training Programme on Developing Personal & Professional Effectiveness held during December 16-24, 2006 at XLRI Jamshedpur
- Award continuing Education course on “Metallurgy for Engineers” held at CSIR-NML Jamshedpur from September 19 to 21, 2001

I certify that, to the best of my knowledge, the information above is true.

Date: 01.04.2026
Place: Ranchi



Signature of the Applicant