

ADITYA TRIPATHI CURRICULUM VITAE

CAREER VISION

To eagerly and enthusiastically explore environmental aspects and matrices. Besides this commitment to create a nurturing learning career with passion for research work. Pursuing **PhD from IIT ISM DHANBAD** (Research domain Wastewater treatment)

□ Experience

S. NO.	INSITUTE	DATE	WORK DESCRIPTION	TITLE / POST
1	<u>Maa Bhagwati group of Institutions Lucknow</u>	May 2019 to August 2019	Environment Faculty	Lecturer
2	<u>CSIR NBRI Lucknow</u>	28/08/2019 to 31/07/2020	Ground and remote sensing based measurements of Leaf Area Index and estimation of Net Primary productivity in forests of India	Junior Research fellow
3	<u>CSIR NBRI LUCKNOW</u>	22/03/2021 to 31/08/2021	Iron and Zinc biofortification in rice through integrated soil and microbial management in crop field	Project Associate
4	<u>CSIR NBRI LUCKNOW</u>	27/08/2021 to 31/09/2021	Study of spatio-temporal distribution in the Flouride (F) and Arsenic (As) levels in environmental matrices of F-contaminated districts of UP (Unnao, Kanpur and Raebareilly) and its	Junior Research fellow

			relationship with the soil chemistry	
5	<u>FAIRIFIELD INSTITUTE OF MANAGEMENT AND TECHNOLOGY , DELHI</u>	22/03/2022 to 30/06/2022	Environmental Sciences faculty	Assistant professor
6	<u>ENVIRO INFRA SOLUTIONS GHAZIABAD</u>	04/07/2022 to 31/08/2022	Environmental Impact Assessment and Environmental Management Planning	Environment Scientist
7	<u>OPEN SCHOOL OF LEARNING UNIVERSITY OF DELHI</u>	12/2022 to Present	Evaluation and Assessment of Answer Scripts	Academic counsellor / Resource Person

□ Educational qualification □

QUALIFICATION	INSTITUTION	SUBJECTS	PASSING YEAR	PERCENTAGE
<u>High school (10th)</u>	Kendriya Vidyalaya, Aliganj	Hindi, English, Science, Social science, Maths	2010	83.60
<u>Intermediate (12th)</u>	Kendriya Vidyalaya, Aliganj	Hindi, English, Physics, Chemistry, Maths	2012	66.66
<u>Bachelor in Science</u>	Lucknow University	Physics, Chemistry, Maths	2016	50.99
<u>Masters in Science</u>	Lucknow University	Environmental Sciences	2019	67.83
<u>PhD</u>	Indian Institute of Technology (Indian School of Mines) Dhanbad	Environmental Sciences and Engineering	Pursuing	-

□ **Dissertation** □

Baseline data collection, anticipated impacts, its mitigation measures and EMP with reference to Biomedical waste from **PRAKRITI CONSULTANCIES** (Lucknow) (January 2019 to March 2019).

□ **Work Skills** □

- (1) Experience at field visits in forests (Simlipal Tiger Reserve (Orissa) , Pilibhit Tiger Reserve (Uttar Pradesh), Baggi Hydro electric project (Mandi, H.P), NTPC Korba Iron Mines (Chattisgarh) and Sampling at districts of U.P
- (2) Remote Sensing and GIS basic, Wastewater treatment technologies and Environmental education
- (3) Environmental Clearance for Proposed La Roche Hotels and Resorts (Dehradun)
- (4) Forest and wildlife clearance for new bridge adjacent to old loha bridge on NH 307 Saharanpur, Uttar Pradesh
- (5) Soil and water analysis measures (UP, Himachal Pradesh)
- (6) Member of Disciplinary Committee, Research Committee, Sports committee and Environment Cell at FIMT, New Delhi
- (7) Teaching Chemistry upto 12th standard all boards and IIT-JEE/NEET students
- (8) Teaching Physics upto 12th standard to all boards and IIT-JEE/NEET students
- (9) Experience in Human Resource and Administrative responsibilities at FIMT, New Delhi

□ **Instruments worked with** □

- (1) Atomic Absorption Spectroscopy (AAS)
- (2) ICP-OES (Inductively coupled plasma - optical emission spectrometry)
- (3) Ph Meter + Turbidity Meter
- (4) UV-VIS Spectrophotometer
- (5) Conductivity Metre
- (6) Particulate Matter Analyzer
- (7) LAI Canopy Analyzer (LICOR-2200)

- (8) Tube furnace
- (9) The Kjeldahl apparatus - automatic digestion, distillation and titration
- (10) Potentiostat/Galvanostat

□ **Research topics** □

- (1) Plant eco-physiological and biochemical processes in response to air pollution and climate change
- (2) Forest ecosystem, structural and functional analysis
- (3) Microbial augmented bio-fortification of rice plants with Fe and Zn
- (4) Analysis of F-level in different environmental matrices.
- (5) Capacitive Deionization (CDI)
- (6) Waste water treatment
- (7) Heavy metal analysis (soil, water, overburden and fly ash)

□ **Certifications** □

- 1) Augmenting Writing skills for Popular science writing (AWSAR-2019)
- 2) Webinar training on “Google Earth Engine ” (forestry basics) 2024
- 3) First Nationwide Biotechnology Olympiad (RANK-2259)
- 4) 38th Jawaharlal Nehru KVS Regional Science Exhibition
- 5) Certified Environment Expert from IIEE (Delhi)
- 6) Advance Diploma in computing applications (ADCA)
- 7) Snake Identification and Rescue
- 8) Indian International Science festival

□ **Publications** □

- (1) CAN MICROBE ASSISTED FE AND ZN BIO-FORTIFICATION OF CEREALS BE A REALITY: MECHANISM AND IPR STATUS - A REVIEW Published In JETIR (www.jetir.org) ISSN UGC Approved (Journal No: 63975) & 7.95 Impact Factor Published in Volume 11 Issue 3 , March-2024 | Date of Publication: 2024-03-20
- (2) Oral presentation in 2nd NATIONAL CONFERENCE ON CLIMATE CHANGE :AGRICULTURE,BIODIVERSITY AND HUMAN HEALTH (lucknow,2020)
- (3) Paper presentation on ONE-DAY ONLINE NATIONAL CONFERENCE ON BIODIVERSITY CONSERVATION AND SUSTAINABLE FUTURE (BCSF-2020)

(4) Abstract submission on DRDO sponsored 2nd National Conference on Advanced technologies and Environmental Safety 2022

□ Computer Skills □–

- (1) Advance Diploma in computing application (ADCA)
- (2) Certificate on computer concepts (CCC)
- (3) MATLAB
- (4) Python

□ Awards □

- 1)- UGC-NET 2019 (June)
- 2)- UGC-NET 2019 (December)

□ Contact □

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References

NAME	DESIGNATION	CONTACT NO.	EMAIL ADDRESS
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