

CURRICULUM – VITAE

MAYURI CHABUKDHARA, PhD [Env Eng. (IIT Delhi)]

Assistant Professor
Department of Environmental Biology and Wildlife Sciences,
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EDUCATIONAL QUALIFICATION

PhD (2009-2013)	Indian Institute of Technology Delhi, India	Environmental Engineering
M.Sc (2005-2007)	Tezpur University, India	Environmental Science

RESEARCH INTEREST: Environmental Chemistry and Geochemistry, Environmental Risk assessments (Ecological and Human health), Soil and Water Pollution, Industrial Pollution, Wastewater treatment, Environmental statistics and pollution indices

Research/Teaching Experience

Research Experience	Organization	Area(s)	Designation
December 2013-November 2015	North Eastern Space Applications Centre (NESAC), Department of Space, India, Meghalaya, India	Forest fire assessment and assessment of impact of coal mining on water quality of Jaintia Hills, Meghalaya, India using remote sensing and GIS techniques (Department of Space, India)	Research Scientist
September 2007-September 2008	North Eastern Regional Institute of Science and Technology, Itanagar, India	Monitoring of water samples (raw and ultra membrane filters) in Arunachal Pradesh and Nagaland, India (Sponsored by: Department of Science and Technology, India)	Junior Research Fellow
Teaching Experience			
2009-2012	Indian Institute of Technology Delhi, New Delhi, India	As a part of teaching assistantship, I taught Environmental Engineering to undergraduate students (B.Tech students). Further, laboratory classes were taught and conducted for undergraduate and postgraduate classes. Guided undergraduate and postgraduate students for their minor and major projects	PhD Student
November 2015-Till date	Assistant Professor, Cotton College State University, Assam, India	Fundamentals of Ecology, Ecosystem and Ecosystem Services to Msc. (Ecology Special Paper) and Ecology and Animal Behaviour to M.Sc (Zoology) student	Assistant Professor

RESEARCH PUBLICATIONS (Total Google Scholar Citations: 374, H-index: 5, i10 index: 5)

<https://scholar.google.com/citations?user=2y2WcucAAAJ&hl=en>

International Journal (n=12) [corresponding author]*

1. **Mayuri Chabukdhara***, Amit Munjal, Arvind K. Nema, Sanjay K. Gupta & Rajendra Kumar Kaushal (2016) "Heavy metal contamination in vegetables grown around peri-urban and urban-industrial clusters in Ghaziabad, India". *Human and Ecological Risk Assessment*, 22: 736 – 752

2. **Mayuri Chabukdhara***, O.P Singh (2016) "Coal mining in northeast India: an overview of environmental issues and treatment approaches." *International Journal of Coal Science and Technology*, DOI 10.1007/s40789-016-0126-1
3. Sanjay Kumar Gupta, **Mayuri Chabukdhara**, Jaswant Singh, Faizal Bux (2015) "Evaluation and Potential Health Hazard of Selected Metals in Water, Sediments, and Fish from the Gomti River." *Human and Ecological Risk Assessment*, 21:227–240
4. Sanjay Kumar Gupta, **Mayuri Chabukdhara**, Praveen Kumar, Jaswant Singh, Faizal Bux (2014) "Evaluation of ecological risk of metal contamination in river Gomti, India: A biomonitoring approach." *Ecotoxicology and Environmental Safety*, 110: 49–55
5. **Mayuri Chabukdhara*** and Arvind K. Nema (2013) "Heavy metals assessment in urban soil around industrial clusters in Ghaziabad, India: probabilistic health risk approach". *Ecotoxicology and Environmental Safety* 87: 57-64
6. Rakesh Kumar, **Mayuri Chabukdhara** (2013) "Assessment of drinking water supply in hilly rural habitations of Northeastern region of India." *International journal of Earth Science and Engineering*, 6: 338–346
7. **Mayuri Chabukdhara*** and Arvind K. Nema (2012) "Assessment of heavy metal contamination in river sediments: a chemometric and geochemical approach". *Chemosphere* 87: 945-953
8. **Mayuri Chabukdhara*** and Arvind K. Nema (2012) "Heavy Metals in Water, Sediments and Aquatic Macrophytes: A Case Study in River Hindon, India". *Journal of Hazardous, Toxic and Radioactive Waste* 16: 273-281
9. **Mayuri Chabukdhara***, Arvind K. Nema, Sanjay K. Gupta (2012) "Metal Contamination in Market Based Vegetables in an Industrial Region, India". *Bulletin of environmental contamination and Toxicology* 89: 129-132
10. Rajendra Kumar Kaushal, George K. Varghese, **Mayuri Chabukdhara** (2012) "Municipal Solid Waste Management in India-Current State and Future Challenges: A Review." *International Journal of Engineering Science and Technology*, 4: 1473–1489
11. Surindra Suthar, Jitender Sharma, **Mayuri Chabukdhara**, Arvind K. Nema (2010) " Water Quality Assessment of River Hindon at Ghaziabad, India: Impact of Industrial and Urban Wastewater". *Journal of Environmental Monitoring and Assessment*, 165: 103-112
12. Surindra Suthar, Arvind K. Nema, **Mayuri Chabukdhara**, Sanjay K. Gupta (2009) "Assessment of metals in water and sediments of Hindon River, India: Impact of industrial and urban discharges". *Journal of Hazardous Materials*, 171: 1088-1095

Paper under review

1. Partho P. Mondal, Kasturi Chakraborty, **Mayuri Chabukdhara*** "Forest Fire Risk and Burned Area Assessment in Mizoram, Northeast India: an Integrated Approach". *Journal of Spatial Science* (**under review**)

Book Chapter (n=1)

1. Mayuri Chabukdhara, Sanjay Kumar Gupta, Manashjit Gogoi "Phycoremediation of Heavy Metals and Biofuel Production from Algal Biomass" In Book: Algal Biofuels: Recent Advances and Future Prospects, Springer Publication (**Accepted**)

Conference/Symposia/Proceedings

1. **Mayuri Chabukdhara**, Partho Protim Mondal, Kasturi Chakraborty, S. Sudhakar (2014). "Assessment of Forest Fire Scenario: a case study of Northeast India", Regional Conference on Geoinformatics for Early Warning of Disasters with Special Emphasis on NE Region, Sept 18-19, 2014 NEHU, Shillong
2. K. Chakraborty, P.P Mondal, **M. Chabukdhara**, S. Sudhakar (2014). Forest fire scenario and challenges of mitigation during fire season in North East India ISPRS TC VIII Mid-Term Symposium on "Operational Remote Sensing Applications: Opportunities, Progress and Challenges", 9-12 December, 2014, Hyderabad, INDIA
3. **Mayuri Chabukdhara** and Arvind K. Nema (2012) "Assessment of water quality using multivariate approach: a case study of river Hindon in Ghaziabad, India" (Poster presentation) at the 3rd GEM-IIT (Indo-

French) research seminar entitled “Recent advances and innovations for sustainable water management” held at IIT Delhi (December 3rd – 6th 2012).

AWARDS/FELLOWSHIPS/OTHERS

- 2005-2007 **NEC** (North East Council) Merit Scholarship for Post graduate studies.
- Qualified National Eligibility Test (**NET**) for Lectureship in *Environmental Sciences* (2007) conducted by University Grant Commission (UGC), India

EDITORIAL/REVIEW WORKS

Reviewer of:

- ✓ *Journal of Talanta* (Elsevier)
- ✓ *Chemosphere* (Elsevier)
- ✓ *Science of the Total Environment* (Elsevier)
- ✓ *Measurement* (Elsevier)
- ✓ *Journal of Hazardous Materials* (Elsevier)
- ✓ *Journal of Ecotoxicology and Environmental Safty* (Elsevier)
- ✓ *Journal of Environmental Science and Pollution Research* (Springer)
- ✓ *Journal of Environmental Monitoring and Assessment* (Springer)
- ✓ *Journal of Environment, Development and Sustainability* (Springer)
- ✓ *Journal of Environmental Earth Sciences* (Springer)
- ✓ *Soil and Sediment Contamination* (Taylor and Francis)
- ✓ *Desalination and Water Treatment* (Taylor & Francis)
- ✓ *Human and Ecological Risk Assessment* (Taylor & Francis)
- ✓ *Journal of Health and Pollution* (Blacksmith Publ)
- ✓ *Journal of African Earth Sciences*
- ✓ *Polish journal of Environmental Studies*
- ✓ *International Research Journal of Agricultural Science and Soil Science*
- ✓ *African Journal of Agricultural Research*

TRAINING/WORKSHOPS/COURSES ATTENDED

- TEQIP programme on “Air Quality & Climate Change: Control & Modelling” organized by Centre for the Environment, IIT Guwahati, 4-8th April 2016
- Training programme for ISO certification organised by Synergy at North Eastern Space Applications Centre, Meghalaya, India, 2015
- Training Programme on The Application of Remote Sensing and GIS in Various Fields of Applications’ organized by Aranyak, India in the year 2006
- CPCB sponsored Training Programme on “Environmental Monitoring and Latest Trends and Guidelines for Environmental Impact Assessment Studies” during 15.01.2010 and 17.01.2010 in the Department of Civil Engineering, Indian Institute of Technology Delhi, India

PROFESSIONAL MEMBERSHIPS

- Life member of Indian Science Congress Association, India
- International Association of Hydrological Sciences (IAHS), Oxfordshire, UK
- International Society for Environmental Information Sciences, Saskatchewan, Canada
- Life member of Indian Society of Geomatics (ISG), India
- Life member of Indian Society of Remote Sensing, India
- Zoological Society of Cotton College, India

Instrumentation Skills: Atomic Absorption Spectrophotometer (AAS), Gas chromatograph (FID/PID), UV-Visible spectrophotometer, Water quality testing equipments, Air quality Samplers

Software Skills: SPSS, Arc-View, Oracle Crystal Ball, XI-Stat, Systat

PERSONAL DETAILS

Date of Birth: 14/08/1984

Marital Status: Married