



1. Name: **Dr. GAUTAM CHANDRA MONDAL**

2. Date of Birth: 31-12-1967

3. Current Position and Address: Senior Scientist
(with E-mail & Phone no.) Environmental Assessment & Remediation
CSIR-CIMFR, Dhanbad.
Mobile: 09835383060
Mail: gc_mondal@yahoo.co.in

4. Educational qualifications: (Graduation and above)

Sl. No.	Degree/ Certificate	Year of Passing	University/ Institute	Subjects
I	B.Sc. (Hons.)	1990	Ranchi University	Chem, Bot, Zoo.
II	M.Sc. (Chemistry)	1993	Ranchi University	Chemistry
III	Ph. D (Chemistry)	2010	VBU, Hazaribag	Chemistry

Ph.D. Thesis: "Studies on Chemistry of Precipitation and Suspended Particulate Matter in and around Mining areas: Dhanbad – Bokaro Region, Jharkhand"

5. Work experience:

Designation	Institution/company	From	To	Nature of work
i) Senior Scientist	CSIR-CIMFR, Dhanbad	05-12-2009	Continue	R & D
ii) Scientist "C"	CSIR-CIMFR, Dhanbad	05-12-2005	05-12-2009	R & D
iii) Scientist "B"	CSIR-CIMFR, Dhanbad	05-12-2001	05-12-2005	R & D
iv) Junior Project Fellow	CSIR-CIMFR, Dhanbad	23-08-1995	05-12-2001	R & D

6. Area of specialization: Environmental Chemistry/Air Pollution/ Water Pollution

7. Honors/Awards received: N/A

8. Fellowships/Scholarships: N/A

9. No. of Research Publications:

- Papers in journals: 14
- In conference proceedings: 12
- Invited/key-note addresses: Nil

- List of best 05 publications:

- I. **G. C. Mondal**, A. K. Singh, T.B. Singh, B.K. Tewary and A. Sinha (2013) Hydrochemistry and Quality Assessment of Mine Water of West Bokaro Coalfields, Hazaribag, Jharkhand. ***Journal of Materials Science and Engineering A***, V. 3, No. 8, pp-540-549.
- II. Abhay Kumar Singh, Mukesh Kr. Mahato, Babita Neogi, **G. C. Mondal** and T. B. Singh (2011) Hydro-geochemistry, Elemental Flux and Quality Assessment of Mine Water in the Pootkee-Balihari Mining Area, Jharia Coalfield, India. ***Mine Water and the Environment***, V. 30, No. 3, pp.197-207.
- III. Abhay Kumar Singh and **G. C. Mondal** (2008) Chemical Characterization of Wet Precipitation Events and Deposition of Pollutants in Coal Mining Region, India. ***Atmospheric Chemistry***, V. 59, 1 – 23.
- IV. Abhay Kumar Singh, **G.C. Mondal**, Suresh Kumar, K.K. Singh, K.P. Kamal, A. Sinha (2007) Precipitation Chemistry and Occurrence of Acid Rain over Dhanbad, Coal City of India, ***Environmental Monitoring & Assessment*** V. 125, pp 99-110.
- V. Singh, Abhay Kumar, **Mondal, G.C.**, Singh, S., Singh P. K., Singh T. B., and Tewary B. K (2005) Hydrochemistry of Reservoirs of Damodar River Basin, India: Weathering Processes and Water Quality Assessment, ***Environmental Geology***, Vol. 48, No. 8, pp 1014-1028.

10. Number of Books authored/edited: 01

11. (a) No. of Patents granted/applied for: Nil

(b) Technologies developed, Licensed and/or commercialized: Nil

12. Foreign visits: Malaysia & Singapore

13. Details of Professional memberships:

❖ Life Member of Indian Institute of Mineral Engineers, INDIA

❖ Life Member of the Indian Science Congress Association, INDIA

14. Major contributions: (Max. 150 words)

Dr. Mondal has more than 15 years of research experience in the field of environment with special emphasis on atmospheric, air and water pollution and control measures in various Coal & Metal Mines, Cement Industries, Thermal Power Plants, etc. He involves sampling in the field, analysis in laboratory and interpretation of the analysed result and application of air quality models to assess and predict the pollution load of an area as well as pollution potential of source. Remedial measures are suggested for bringing the pollution level below the threshold limit value. He has also been associated with Inter Agency Project under XIth Five year plan on the development of cost effective mine water reclamation technology for providing drinking water and Ministry of Coal funded project on development of methodology for estimation of greenhouse gas emission in mine fire areas and their mitigation through terrestrial sequestration.

He has actively associated with 10 R&D/S&T projects and more than 30 company sponsored projects. He has published 14 papers in reputed International and national journals and presented 12 papers in national Seminar/Symposia. In addition, he has guided many students for their dissertation work for M.Sc. and B. Tech degree.

15. Technologies and Products/ Services

- (i) Developed: Nil
- (ii) Licensed: Nil
- (iii) Commercialized: Nil

16. Designs and Prototype Developed: Nil

17. Honours and awards won for technological contributions or sociological impact of R&D: Nil



Signature