

Curriculum Vitae



Dr. Debasree Saha

Designation: State Aided College Teacher, Category -I

Present Work Address: Department of Chemistry. Netaji Nagar Day College (Affiliated to University of Calcutta), 170/436 N. S. C Bose Road Regent Estate, Kolkata-700092

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Academic qualification

- National Post Doctoral Fellow under Science and Engineering Research Board (SERB-DST), Government of India. Host Institute: School of Environmental Studies, Jadavpur University
- Doctorate (Ph.D) in Science (Chemistry). Institute: Department of Chemistry, University of Kalyani
- Project Fellow in a collaborative project of University of Michigan (USA) and University of Kalyani
- Master of Science (M. Sc) in Chemistry. University of Kalyani
- Bachelor of Science (B. Sc) in Chemistry (Hons). University of Kalyani

Teaching Experience

- Worked as guest lecturer in Chemistry at Netaji Nagar Day College under University of Calcutta
- Worked as guest lecturer in Chemistry at East Calcutta Girls' College under West Bengal State University
- Worked as contractual whole time lecturer in Chemistry at Bhairab Ganguly College under West Bengal State University

- Worked as Part time lecturer at Murshidabad Institute of Technology under Govt. of West Bengal
- Worked as examiner of theory and practical paper of Chemistry of B.Sc Hons and Pass course under University of Calcutta

List of Publications

- **Saha, D.,** Chatterjee, D., Chakravarty, S., Roychowdhury, T., 2019. Investigation of environmental concern trace elements in coal and their combustion residues from thermal power plants in eastern India. **Natural resource research**, (ISSN: 1573-8981), 28 (4), 1505-1520
- **Saha, D.,** Roychowdhury, T., 2019. Environmental concern elements in coal and coal combustion residues. **Journal of Indian chemical society** (ISSN: 00194522), 96, 539-542.
- **Saha, D.,** Chatterjee, D., Chakravarty, S., Mazumder, M., **2018.** Trace element geochemistry and mineralogy of coal from Samaleswari open cast coal block (S-OCB), Eastern India. **Physics and Chemistry of the Earth** (ISSN: 1474-7065), 104, 47-57.
- Chatterjee, D., Kundu, A., **Saha, D.,** Barman, S., Mandal, U., **2017.** Ground water arsenic in the Bengal delta plain: Geochemical and geomorphological perspectives. **Procedia Earth and Planetary Science** (ISSN: 1878-5220), 17, 622-625.
- **Saha, D.,** Chakravarty, S., Shome, D., Basariya, M. R., Kumari, A., Kundu, A. K., Chatterjee, D., Adhikari, J., Chatterjee, D., **2016.** Distribution and affinity of trace elements in Samaleswari coal, Eastern India. **Fuel** (ISSN: 0016-2361), 181, 376-388.
- Bhowmick, S., Halder, D., Kundu, A., **Saha, D.,** Iglesias, M., Nriagu, J., Guha Mazumder, D., Roman-Ross, G., Chatterjee, D., **2013.** Is saliva a potential biomarker of arsenic exposure? A case-control study in West Bengal, India. **Environmental Science & Technology** (ISSN: 1520-5851), 47, 3326-3332.
- Chatterjee, D., Nath, B., Chakraborty, S., Majumder, S., Biswas, A., Bhowmick, S., Halder, D., Mondal, P., Kundu, A., **Saha, D.,** Barman, S., Biswas, U., Saha, I., Das, A., Sarkar, S., Chatterjee, D., **2013.** Ground water arsenic in the fluvial Bengal Plains: Geochemistry and mitigation. **Procedia Earth and Planetary Science** (ISSN: 1878-5220), 7, 143-146.
- Chatterjee, D., Majumder, S., Biswas, A., Halder, D., Bhowmick, S., Chatterjee, D., Mukherjee-Goswami, A., **Saha, D.,** Kundu, A. K., Sarkar, S., **2012.** Arsenic in ground water of young Bengal delta plain of India: It's distribution and geochemistry. **Indian Society of Applied Geochemists** (ISSN: 2319-4316), 170-185.
- Biswas, A., Majumder, S., Neidhardt, H., Halder, D., Bhowmick, S., Mukherjee-Goswami, A., Kundu, A., **Saha, D.,** Berner, Z., Chatterjee, D., **2011.** Ground water chemistry and redox processes: Depth depended arsenic release mechanism. **Applied Geochemistry** (ISSN: 0883-2927) 26, 516-525.

- Chatterjee, D., Halder, D., Majumder, S., Biswas, A., Bhattacharya, P., Bhowmick, S., Mukherjee-Goswami, A., **Saha, D.**, Maity, P.B., Chatterjee, D., Nath, B., Mukherjee, A., Bundschuh, J., **2010**. Assessment of arsenic exposure from ground water and rice in Bengal delta region, West Bengal, India. **Water Research** (ISSN: 0043-1354), 44, 5803-5812.

Conference/ Symposium

- **Saha, D.**, Roychoudhury, T., Chatterjee, D., **May 2019**. Energy generation from coal combustion: A source of hazardous elements in the environment. **Energy and society in transition: 2nd International conference on energy research and social science. Arizona State University, USA. Elsevier**
- **Saha, D.**, Roychoudhury, T., **December 2018**. Environmental concern elements in coal and coal combustion residues. **International conference on advanced technologies for industrial pollution control (ATIPC).**
- **Saha, D.**, Chatterjee, D., **January 2015**. Trace elements in aqueous environment from coal combustion. **47th Annual convention of Indian water works association.**, Science city, Kolkata, West Bengal.
- **Saha, D.**, Chatterjee, D., **December 2014**. Trace elements in coal of Ib-river valley and its environmental impacts during utilization. International seminar on ground water: issues & challenges of 21st century. **Public health engineering department, Govt. of West Bengal and department of Science and technology.**
- **Saha, D.** Participate in Eight BRNS-AEACI School of Analytical Chemistry, **2014, Under Department of Atomic Energy.**
- Chatterjee, D., Biswas, A., Majumder, S., Bhowmick, S., Halder, D., Mondal, P., Kundu, A., **Saha, D.**, Sarkar, S., Das, A., Saha, I., Chatterjee, D., **April 2013**. Arsenic geochemistry and mitigation update from West Bengal, India-A sustainable approach. International seminar on current status of arsenic, fluoride and pathogens in drinking water: Treatment methods and experiences. **International centre for ecological Engineering, University of Kalyani.**
- Chatterjee, D., Biswas, A., Bhowmick, S., Halder, D., Hazra, R., Majumder, S., Mukherjee-Goswami, A., **Saha, D.**, Nath, B., **May 2010**. Geochemistry of arsenic in Bengal delta plain (West Bengal, India). **The 3rd International Congress on Arsenic in the Environmental, Taiwan.**
- Halder, D., Biswas, A., Bhowmick, S., Majumder, S., **Saha, D.**, Bhattacharya, P., Chatterjee, D., **2010**. Exposure of arsenic from ground water and rice: A case study from West Bengal, India. **Geological society of America**, Abstract with Program, 42(5): p. 436.

- Biswas, A., Halder, D., Neidhardt, H., Bhowmick, S., Majumder, S., **Saha, D.**, Bhattacharya, P., Berner, Z., Chatterjee, D., **2010**. Depth dependent geochemical processes and occurrence of high dissolve arsenic in ground water, West Bengal, India. **Geological society of America**, Abstract with Program, 42(5): p. 550.
 - Biswas, A., Mazumder, S., Halder, D., Bhowmick, S., **Saha, D.**, Chatterjee, S., **February 2010**. Variability of arsenic in multilevel water wells of Chakdaha, West Bengal, India: A field scale study. National seminar on current trends in chemistry-IV (NSCTC-IV), **University of Kalyani, Kalyani, West Bengal**.
 - Chatterjee, D., Biswas, A., Halder, D., Bhowmick, S., Majumder, S., Hazra, R., Nath, B., **Saha, D.**, Mukherjee-Goswami, A., **October 2009**. Ground water chemistry and arsenic mobilization in shallow and deep aquifer- A field scale study in west Bengal, India. **Geological society of America annual Meeting, Portland**, Abstract with Program, 41(7).
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