



DR. PALLABI BORAH



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PROFESSIONAL SUMMARY

Seeking a career as a teacher with a strong focus in scientific research on issues connecting sciences with society.

EXPERIENCE

Assistant Professor (03/2021-Current)

Assam Royal Global University

- Department of Environmental Science (Royal School of Environmental and Earth Sciences)

Resource Person (10/2019-12/2019)

Arunachal University of Studies Namsai, Arunachal Pradesh

- Worked as a Resource person on 400hours Certificate course under Green Skill Development Programme (GSPD) for value addition & marketing of NTFPs- Bamboo Crafts supported by MoEF & CC Govt. Of India held from 14th Oct. 2019 to 18th Dec 2019 at Arunachal University of Studies Namsai, Arunachal Pradesh.

Junior Project Officer (04/2018-08/2018)

- Worked as a Junior Project Officer in an Environmental Consultancy, Kolkata
- Worked as a Teaching Assistant in the Two Week ISTE Short term training programme (STTP) on Environmental Studies (from 02.06.2015 to 12.06.2015) under the National Mission on Education through ICT (MHRD, Govt. Of India).

EDUCATION

Tezpur Central University, Assam, India, 2018

PhD: Environmental Science

- Thesis Title: Study on heavy metals contamination and their Phyto-remediation in soils around a Paper Mill and Municipal Landfill in Assam.

Tezpur Central University, Assam, India, 2013

M.Sc. Environmental Science

CGPA- 8.59; 85.90 %

Cotton College, Gauhati University, India, 2011

B.Sc. Botany (Major)

69.20 % (First Class with Distinction)

Salt Brook Academy, Dibrugarh, Assam, India, 2008

Higher Secondary- Science stream

75.60 %

Govt. Higher Secondary School, Changlang(Arunachal Pradesh), India, 2006

HSLC

81.00 %

ACCOMPLISHMENTS **Achievements:**

2018: Awarded NTA UGC NET-LS (National Eligibility Test for Lectureship) in Environmental Science

2011: 11th Prof. A.C. DUTTA MEMORIAL AWARD for securing highest marks in Botany Major of Cotton College, Guwahati, Assam, India.

Other Academic Work:

- Conducted a **week-long workshop on GIS and mapping** as Co-convenor organized by Royal School of Environmental and Earth Sciences, Assam Royal Global University in collaboration with GIS VISION INDIA, Guwahati, Assam from 13-18 June, 2022.
- Conducted a **weeklong FDP-STDP on “Geo-Environmental Research and its social implications”** organized by the Department of Environmental Science & Geology, Assam Royal Global University from 12th-17th Sep, 2022.
- Participated and Completed **“UGC-sponsored-Faculty Induction Program-13”** in online mode held from **19/06/2023 to 21/07/2023** with **A+ Grade** organized by UGC-HRDC, JNTUH, Hyderabad

**PUBLICATIONS
(RESEARCH
ARTICLES)**

Borah, P., Kshiar, N., Reang, D., Nath, A. J., & Baruah, K. K. (2024). Incidence of microplastic contamination in fishes of the Ramsar Wetland, Loktak–The world's only floating lake from the Indian Himalayan region. *Journal of Environmental Management*, *358*, 120928.

Borah, P., Mitra, S., & Reang, D. (2024). Geochemical fractionation of iron in paper industry and municipal landfill soils: Ecological and health risks insights. *Environmental Research*, *250*, 118508.

Borah, P., Rene, E. R., Rangan, L., & Mitra, S. (2023). Phytoremediation of nickel and zinc using *Jatropha curcas* and *Pongamia pinnata* from the soils contaminated by municipal solid wastes and paper mill wastes. *Environmental Research*, *219*, 115055.

Mitra, S., Ghose, A., Gujre, N., Senthilkumar, S., **Borah, P.**, Paul, A., & Rangan, L. (2021). A review on environmental and socioeconomic perspectives of three promising biofuel plants *Jatropha curcas*, *Pongamia pinnata* and *Mesua ferrea*. *Biomass and Bioenergy*, *151*, 106173.

Borah, P., Gujre, N., Rene, E. R., Rangan, L., Paul, R. K., Karak, T., & Mitra, S. (2020). Assessment of mobility and environmental risks associated with copper, manganese and zinc in soils of a dumping site around a Ramsar site. *Chemosphere*, *254*, 126852.

Borah, P., Singh, P., Rangan, L., Karak, T., & Mitra, S. (2018). Mobility, bioavailability and ecological risk assessment of cadmium and chromium in soils contaminated by paper mill wastes. *Groundwater for Sustainable Development*, *6*, 189-199.

Borah, P., Paul, A., Bora, P., Bhattacharyya, P., Karak, T., & Mitra, S. (2017). Assessment of heavy metal pollution in soils around a paper mill using metal fractionation and multivariate analysis. *International Journal of Environmental Science and Technology*, *14*, 2695-2708.

Singh, P., Mitra, S., Majumdar, D., Bhattacharyya, P., Prakash, A., **Borah, P.**, Paul, A., & Rangan, L. (2017). Nutrient and enzyme mobilization in earthworm casts: A comparative study with addition of selective amendments in undisturbed and agricultural soils of a mountain ecosystem. *International Biodeterioration & Biodegradation*, *119*, 437-447.

Mitra, S., Singh, P., Manzoor, S., Bhattacharyya, P., Bera, T., Kumar Patra, A., Rangan, L., & **Borah, P.** (2016). Can rice and wheat biochar amendment

protect the carbon loss from tropical soils—An experimental study. *Environmental Progress & Sustainable Energy*, 35(1), 183-188.

BOOK CHAPTERS

R. Kar, **P. Borah**, C. Bhuyan (2022). **A review of palaeogenesis of ore deposits in and around Udaipur, Rajasthan with an insight into the geo-environmental concerns.** *Multidisciplinary Approach in Research (Vol-1 & 2) & Environment and Education*. Redshine Publication.

**CONFERENCE
PROCEEDINGS**

P. Borah, S. Mitra (2020). Phytoremediation of heavy metal contaminated soils with biofuel plants: an alternative approach. *Natural Resources Management and Sustainable Agriculture with Reference to North-East India*. 28, 48.

**CONFERENCE AND
WORKSHOPS**

- Attended and presented in the International Seminar on Climate change: Impact & Resilience on 27th-28th February, 2023 organized by Department of Zoology, Assam Don Bosco University in collaboration with Zoological Society of Assam and catalysed by ASTEC, OIL India Limited and ICSSR-NER
- Attended and presented a paper as a co-author entitled “Carbon sequestration and carbon dynamics in agriculture and forest ecosystem: with reference to climate change” from 2nd-3rd June, 2022 in the international conference on India’s Act East Policy and Indo-Pacific Developments: Problems and prospects for North East India organized by the Royal Centre for Act East Policy Studies, Assam Royal Global University.
- Attended as a resource person in the “Training on Climate Change Adaptation” from 27- 28th Feb, 2020, organized by the State Climate Change Cell, Department of Environment and Forests, Govt. Of Arunachal Pradesh under the “National Mission for sustaining the Himalayan Ecosystem (NMSHE)”.
- Attended and presented a paper entitled “Phytoremediation of heavy metal contaminated soils with biofuel plants: an alternative approach” in the National Conference on “Natural Resources Management & Sustainable Agriculture with reference to North-East India” during 28-29 Jan, 2020.
- Attended the workshop on – Ecosystem Approaches to Water and Food Security for Rural Wellbeing|| by Ashoka Trust For Research in Ecology and the Environment (ATREE) in collaboration with CRT-IIT Guwahati, 10th -14th Sep. 2018.

- Attended the two day –Sensitization workshop on Technological Empowerment of Women||, 3rd to 4th Nov. 2017.
- Attended One day symposium on –Recent Advancements in Environmental Research (RAER 2017), IIT Guwahati, 5th June, 2017.
- Attended and presented poster at the National seminar on –Climate Change and Society, Tezpur University, 24th to 25th February, 2017.
- Attended the International Conference on –Strategies for Environmental Protection and Management, JNU, New Delhi, 11th to 13th December 2016.
- Attended the Regional Training Programme cum Workshop on ShodhGanga and AntiPlagiarism Software, Tezpur University, 2014.
- Attended the one day Workshop on –Laboratory Safety, Tezpur University, 2014.
- Attended the National Seminar on –Plant Resource Management and Conservation Strategies in N.E. Region, Department of Botany, Cotton College, 2011.
- Attended one day workshop on –North East and the Response to Climate Change Policies for Watershed Management, Energy Security, and Biodiversity, 2010 at North Eastern Development Finance Corporation Ltd. (NEDFi).

REFERENCES

Prof. Kushal Kumar Baruah

Professor and Academic Dean of Auniati University, Jorhat, Assam
 Former Professor & Dean (Royal School of Environmental & Earth Sciences), Assam Royal Global University, Guwahati, Assam (former Head Dept. of Environmental Science, Tezpur Central University)

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Dr. Sudip Mitra

MNASc, Nehru Fulbright Fellow
 Associate Professor & Head
 School of Agro & Rural Technology (CRT) and Center for Disaster Management and Research

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**PERSONAL
INFORMATION**

Date of Birth: 20th March, 1990

Permanent Address: No.2 Naharani, Kakila Chariali, Gohpur, District:
Biswanath, Assam, Pin-784168