

DEVASHREE BORGOHAIN

Email: devashreeborgohain@gmail.com

Mobile No: 8638274196/9706359637

Google Scholar: <https://shorturl.at/60nGz>

CURRICULUM-VITAE



CAREER OBJECTIVE

To leverage my educational background, skills, and passion for Physics in a dynamic professional environment, contributing to the growth of the organization while continuously enhancing my abilities and achieving personal and professional excellence.

ACADEMIC PROFILE

Name of Exam.	Board/University	Year of Passing
PhD	University of Science and Technology Meghalaya	2022-
M.Tech in Energy Technology	Tezpur University	2013
M.Sc in Physics	Tezpur University	2011
B.Sc	Dibrugarh University	2009
HSSLC	AHSEC	2006
HSLC	SEBA	2004

Google Scholar report

Publication	5
Citations	389
h-index	2
i10-index	2

WORKING EXPERIENCE

Name of the Institute	Position Held	Year of Joining
University of Science and Technology Meghalaya	Assistant Professor	2017- present
Centre of Plasma Physics- Institute for Plasma Research	Project Scientist	2014-17
Gauhati University	Guest Faculty	2013-14

JOURNAL PUBLICATION

- D Borgohain, HP Jaishi, S Singh, RP Tiwari, RC Tiwari, "Modeling Techniques for Estimating Soil Radon Concentrations", Journal of Physics: Conference Series, Volume 2919, Issue 1, Pages 012036

- D Borgohain, S Lanong, HP Jaishi, “Heavy metal contamination and health risks in ground water at Byrnihat industrial area: urgent need for remediation and public health safeguards”, Proceedings of the Indian National Science Academy, Volume 90, Issue 4, Pages 931-942
- N. Buzarbaruah, N.J. Dutta, D. Borgohain, S.R. Mohanty, H. Bailung, “Study on discharge plasma in a cylindrical inertial electrostatic confinement fusion device” Physics Letters A Volume 381, Issue 30, Pages 2391–2396
- Rumi Rajbongshi, Devashree Borgohain, Sadhan Mahapatra, „Optimization of PVbiomass-diesel and grid base hybrid energy systems for rural electrification by using HOMER“ Energy 126 (2017) 461-474

BOOK CHAPTER PUBLICATION

- D Borgohain, HP Jaishi, “Comprehensive Investigation of Natural Radioactivity in Meghalaya, India: Implications for Health” Emerging Trends in Physical Science, Volume 1, Pages 35-46
- D Borgohain, HP Jaishi, “Assessment of Natural Radioactivity and Radionuclide Distribution in Assam, India” EUNOIA Volume 1, Pages 77-85
- D Borgohain, M. Deves, “Assessment of Radiation Concentration in Soil and Rocks: Environmental Health and Safety Analysis”, Proceedings of the International Conference on Innovations in Management, Science, Technology, and Automation in Sports, Volume 2.

PAPER PRESENTED

- An oral paper entitled as “Assessment of Radiation Concentration in Soil and Rocks: Environmental Health and Safety Analysis” was presented at 2nd International Conference on Innovation in Management, Science, Technology and Automation in Sports (ICIMSTAS 2023)
- A poster entitled as “Recent studies on Inertial Electrostatic Confinement Fusion Neutron Source” was presented at 32nd National symposium on plasma science and technology (Plasma-2017)
- An oral paper entitled as “Shielding analyses for a portable neutron source” was presented at 10th Biennial national conference of Physics Academy of North-East (PANE 2016)
- A poster entitled as “A present status of IECF Based liner neutron source in CPP-IPR” was presented at 30th National symposium on plasma science and technology (Plasma2015)

PRACTICAL EXPOSURE / PROJECT EXPERIENCE

- Completed project work on “Effect of ODS potential on Dusty Plasma Formation”.
- Completed project work on project “Access to electricity through distributed energy generation: An application of HOMER”
- Completed project work on “Development of a Neutron Source Based on Inertial Electrostatic Confinement Fusion”
- Worked as Convenor of “National Exhibition and Seminar on Plasma Physics 2022”.
- One **Patent** published on “Supercontinuum source by living biosilica diatoms.

SEMINARS/ WORKSHOP ATTENDED

- Completed a One-Week Online National Faculty Development Programme on "CANCER AWARENESS FOR COMMUNITY ENGAGEMENT @NEP 2020" held from 11th to 18th February 2025, organized by UGC-Malaviya Mission Teacher Training Centre (UGC-

MMTTC/GAD-MMTTC), SGTB Khalsa College, University of Delhi in collaboration with Indian Cancer Society, Delhi.

➤ Completed a One-Week Online Faculty Development Programme on "Artificial Intelligence in Advanced Teaching Learning" held from 19th to 26th March 2024, jointly organized by Department of Computer Science, USTM and AIU-USTM-AADC.

➤ Participated in "NEP Orientation & Sensitization Programme" under Malavya Mission Teaching Training Program (MM-TTP) of University Grant Commission (UGC) organized by UGC-MMTTC (also GAD-MMTTC), SGTB Khalsa College, University of Delhi held from 19th January to 31st January 2024.

➤ Completed online weeklong Faculty Development Programme on Academic Writing and Publication organized by Teaching Learning Centre, Tezpur University in association with Doomdooma College, Tinsukia and Raha College, Nagaon during 10-16 May 2023.

➤ Participated in the online Workshop on NEP 2020 Implementation from 28 - 29 December 2022 organized by the UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh.

➤ Completed online weeklong Faculty Development Programme on E-Content development organized by Teaching Learning Centre, Tezpur University in association with USTM during 04-08 April 2022.

➤ Participated in the One-Week Online Faculty Development Programme on "Research Methodology" organized by E&ICT Academy IIT Guwahati held from 25 to 30 April, 2022

➤ 32nd National symposium on plasma science and technology (Plasma-2017)

➤ Workshop on LaTeX document

➤ 10th Biennial National conference on Physics Academy of North East 2016.

➤ 30th National symposium on plasma science and technology (Plasma-2015)

➤ Workshop on Recent Trends on Astronomy & Astrophysics

➤ National Symposium on Photonics & Quantum Structures

➤ Advanced workshop on X-Ray Astronomy

➤ International Congress on Renewable Energy

➤ Workshop on Intellectual Property Rights

➤ Workshop on Linear Tokamak Divertor Simulators for PSI Studies

IT KNOWLEDGE

Operating System: Window 7, XP, Vista, LINUX

Applications: MS Office, HOMER, MCNP, SIMION

PERSONAL SKILL

- Communication Skill
- Fast Learner
- Adaptability
- Ability to Work in a team
- Ability to Work Under Pressure
- Effective Time Management
- Ability to Multitask

EXTRA-CURRICULAR ACTIVITIES

- Attending District and State Level Quiz Competition
- Writing Articles in Assamese Daily Newspapers and Magazines
- Published a book titled “চিঠি...এটোপোলা অনুভব”

INTEREST/HOBBIES

- Visiting new places of interest
- Reading novels
- listening to soft music

PERSONAL DETAILS

Date of Birth: 11/09/1988

Gender: Female

Category: OBC

Father's Name: Nareswar Borgohain

Mother's Name: Niru Borgohain

Nationality: Indian

Languages: Assamese, English, Hindi

PRESENT ADDRESS

House No. 10

Nijom Path, Near Bharti Airtel

Sixmile, Guwahati

Assam-781022

DECLARATION

I hereby declare that the information furnished above by me is true and correct to the best of my knowledge and belief.

Place: Guwahati

Date: 08-04-2025

Devashree Borgohain

Devashree Borgohain

Name & Signature