KATHRYNE DOLEY
M.Sc. Agriculture (Soil Science) | B.Sc. (Hons.) Agriculture
Karichuk Kangkan Nagar, Dhemaji, Assam - 787057
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CAREER OBJECTIVE

Agriculture postgraduate (M.Sc. Soil Science, thesis submitted) and B.Sc. (Hons.) Agriculture graduate from Assam Agricultural University, with strong subject-matter grounding in soil fertility management, integrated nutrient management, and soil organic carbon dynamics. My postgraduate research on carbon mineralisation under long-term integrated nutrient management, combined with hands-on field-extension experience, including a six-month rural placement where I trained a farmer in organic input production and sustainable practices, has built both technical depth and practical teaching ability. Seeking to bring this soil-science expertise and field-extension background to the role of Soil Science Teacher at Daffodil College of Horticulture and Agriculture, Khetri, to guide students through soil science theory and its practical, field-level application.

KEY SKILLS

- Soil Fertility & Nutrient Management
- Soil Organic Carbon & Long-Term Soil Health Assessment
- Sustainable & Organic Input Practices (Vermicompost, Biopesticides)
- Field Instruction, Extension & Practical Training
- Integrated Pest & Disease Management
- Team Leadership & People Management

SUBJECTS COMPETENT TO TEACH

Soil Fertility & Nutrient Management, Soil Chemistry, Soil Physics, Soil Microbiology & Biochemistry, Soil & Water Conservation, Remote Sensing and GIS Technologies and Agricultural/Environmental Soil Science.

EDUCATION

Degree / Grade	Institution / Board	Year	Result
M.Sc. Agriculture (Soil Science)	Assam Agricultural University, Jorhat	2026	8.85 CGPA
B.Sc. (Hons.) Agriculture	Assam Agricultural University, Jorhat	2024	8.09 CGPA
Senior Secondary (12th)	Ramanujan Junior College, Nagaon	2019	86%
Secondary (10th)	Saint Francis De Sales, Dhemaji	2017	89.83%

MASTERS RESEARCH

Effect of Soil Properties on Carbon Mineralisation in Long-Term Integrated Nutrient Management Practices under Rainfed Ahu Rice-Based Cropping Sequence

M.Sc. thesis research, Department of Soil Science, AAU.

Studied how different long-term Integrated Nutrient Management (INM) regimes affect soil carbon mineralisation, carbon sequestration, and nutrient dynamics, building a practical understanding of how soil management choices affect soil health, fertility, and long-term productivity.

Studied and researched how it affects the Global climate change and carbon sequestration and nutrient management.

Relevance to teaching: this hands-on research experience in soil carbon and nutrient dynamics gives me grounded, example-based material to draw on when teaching soil science theory and laboratory practicals to students.

PROFESSIONAL TRAINING & FIELD EXPOSURE

Rural Agricultural Work Experience Programme (RAWEP), Nagaon - AAU (6 months)
University-structured across Rural Economics, Plant Protection, Extension Programme, Crop Production, and Attachment with RARS, KVK & Agro-Based Industries.
Worked one-on-one with an assigned host farmer and measurably increased his income by introducing sustainable agriculture practices. Taught him to prepare neem-based biopesticides and his own vermicompost, and how slow-releasing urea works, reducing his dependence on chemical pesticides and fertiliser costs. Also trained him in mushroom cultivation as an additional income stream, alongside direct field exposure to a Regional Agricultural Research Station (RARS), a Krishi Vigyan Kendra (KVK), and agro-based industries.

Experiential Learning Programme (ELP), AAU (6 months)
University-structured across Mushroom Cultivation and Poultry Production Technology.
Ran a small enterprise in Animal Husbandry & Poultry and Mushroom Cultivation, gaining end-to-end exposure from production through marketing - including how to extend shelf life and manage the unit economics of an agri-based enterprise.

Additional Skill Development Programmes, NAHEP - AAU

- Advanced Diagnostics of Plant Pathogens - applied plant pathology and disease diagnostics.
- Skills Development Training on AI & Robotics in Agriculture.
- Seed Entrepreneurship for Career Prospects of Youth in Assam.
- Handling & Management of Agrochemicals - health & environment impact.
- Skill Development for Youths through Data and Technology.
- Entrepreneurship Development for Agro-Based Industries.
- Manuscript Writing Workshop - Directorate of Post Graduate Studies, AAU.
- Adventure Training Course (NSS) - NIMAS, Dirang, Arunachal Pradesh: leadership, discipline and outdoor fieldcraft.

POSITIONS OF RESPONSIBILITY

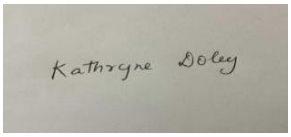
Role	Organisation	Duration
Student Placement Coordinator	Training & Placement Cell, AAU, Jorhat	Jul 2025 – July 2026
Volunteer, Animal Welfare Service	AAU JUPUHA, Jorhat	Oct 2023 - Feb 2025
Secretary, Students' Aid Fund	Assam Agricultural University, Jorhat	Apr 2023 - Apr 2024
Blue House Captain	Saint Francis De Sales, Dhemaji	Feb 2016 - Feb 2017

PERSONAL DETAILS

Date of Birth: 12-12-2001
Gender: Female
Nationality: Indian
Category: Scheduled Tribe, Plains (STP)
Languages Known: Assamese, English, Hindi, Mishing
Permanent Address: Karichuk Kangkan Nagar, Dhemaji, Assam - 787057
Marital Status: Single

DECLARATION

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



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