

THAMBUWALA ATHUKORALALAGE SEWMINI SITHARA

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Profile:

A dedicated and capable graduate in Agricultural Technology & Management with a specialization in Agricultural & Biosystem Engineering. Equipped with strong leadership, communication, and project management skills, with hands-on experience in research related to biochar production and sustainable resource valorization. Passionate about climate action, agricultural innovation, and community-based sustainability projects. Known for being adoptable, responsible, and driven to create meaningful impact in the agricultural and environmental conservation sectors.

Education:

- BSc. Agricultural Technology and Management-University of Peradeniya (2021- Present)
Fresh graduate specialized in Agricultural and Biosystem Engineering
Cumulative GPA: 3.77
- G.C.E. A/L Examination (Biology Stream)-Bandaranayake Central College, Veyangoda, Sri Lanka (2016-2019)
Biology (A), Chemistry (B), Physics (C)
- G.C.E. O/L Examination – Newstead Girls’ College, Negombo, Sri Lanka (2010-2016)
8 A passes and 1 B pass

Research Experience:

- Final Year Research project: Optimization of the production of Coconut Petiole-Derived Biochar under Different Pyrolysis Conditions and Its Characterization (28th of July,2025 – 04th of November,2025)
- Key Skills: Biochar Production and System Optimization, Resource Valorization, Energy Balance

Research Interests:

- Waste Management and Circular Economy, Biomass Utilization and Resource Valorization, Sustainable Agriculture and Climate Action Strategies, Renewable Energy and Energy Conservation Systems, Integrated Water Resource Management, Smart irrigation Technologies, Post-Harvest Technology and Food Loss Reduction, Sustainable Land and Soil Management, Climate Resilient Farming Systems, Precision Agriculture and Digital Tools for Agriculture

Conferences and Summits Organized:

- The Head: International Association of Students in Agricultural and Related Sciences National Summit 2025
- The student Volunteer of the Organizing Committee: “Nutricon 2024” 6th International Conference by TIKM

Technical Skills:

- Microsoft Office
- Arc GIS tool
- Data Analysis tools (Excel, Minitab & SAS)

Certifications:

- Diploma in Leadership and Management with Distinction Grade (March,2024-September, 2024)
Consultation Agency: Metropolitan Institute of Business Management
- CLSSWB Certified Lean Six Sigma White Belt Certificate Course (2023)
Consultation Agency: Skill Gate (Pvt) Ltd.
- Certificate in Human Resource Management (2023)
Consultation Agency: Global Academy of professional Studies
- Certificate in Basic English and advance English (2021)
Consultation Agency: Sri Lanka English Graduates’ Association
- Certificate of one day workshop based on GIS Methodology (2023)
Consultation Agency: Soil Science Society, Faculty of Agriculture
- Certificate in Five Day Workshop Based on Research Methodology & SPSS
Consultation Agency: Premiere Edu care Institute (2024)
- Certificate of Plant Pulse-Understanding Climate Action (online-2024)
Consultation Agency: Student Society of Climate Change awareness
- Certificate in Five Day Farm Machinery Workshop (2025)

Consultation Agency: Farm Machinery Training Centre, Anuradhapura

Leadership and Extra Curricular Activities:

- Vice President of External Projects & Outreach: IAAS, University of Peradeniya (2023/2024 Term)
-Led multiple outreach projects and community projects promoting sustainable agriculture and student engagement. Aligned with sustainable development goals.
-Projects: Plant Distribution Project, “Plates of Promise “World Food Day Celebration, CTP Leadership Training Project, “Harvesting Success “Practical Training Workshop for the Women in Agriculture
- Monitoring & Evaluation Officer: Quality Board, IAAS Sri Lanka National Board (2023/2024 Term)
-Managed project progress tracking and performance evaluation of local bodies in Sri Lanka
- Assistant Secretary: ZeroPlastic, University of Peradeniya (2024/2025 Term)
-Coordinated over 50 University and National wide community cleanup campaigns and sustainable projects
- Secretary: Agricultural Engineering Students’ Society, Faculty of Agriculture (2024/2025 Term)
-Documentation and reporting of the society
- Main Event Coordinator: Plantation Society, Faculty of Agriculture (2023/2024 Term)
-Event Planning and Management
- Batch Representative (2200 Series): 19th Batch, Faculty of Agriculture, University of Peradeniya (2023)
-Represented the academic and administrative concern of entire batch
- Panel Member of Paper Discussion Panel: “Relibimen Sama Bimata “Seminar Series (2023-2024)
- Partnership Team Leader: Food and Agriculture Organization, Sri Lanka Chapter (for the 2026/2027 Term)
- Project and Science Coordinator: International Association of Students in Agriculture and Related Sciences, National Board, Sri Lanka (2026/2027 Term)

Sports:

- Kabadi Team Player, Faculty of Agriculture, Inter-Faculty Freshers' Sports Tournament 2023 (Second Runner Up)
- Elle Team Player, Faculty of Agriculture, Inter-Faculty Freshers' Sports Tournament 2023 (Championship)

Other Extra Curricular Activities:

- Mathematics & Science Tutor for G.C.E. O/L Examination (2017-2024)
- All Island Certificate Holder: Won the Second Runner-Up in All Island School Drama Competition (2015)
- Provincial Level Certificate Holder: Singing

Volunteering:

- Green Tern Volunteer at the Centre for Environmental Sustainability, University of Peradeniya (2023-2024)
- Volunteer at the ZeroPlastic Movement (2023-Present)
- Volunteer at "Volunteer Sri Lanka Foundation" (2023-Present)
- Volunteer at Sasnaka Sansada (2024-Present)

Awards and Recognition:

- Awarded as Best Public Relation Coordinator of the Year 2024 among volunteers in 21 Universities in Sri Lanka by ZeroPlastic National Movement (2024)
- Awarded as a legendary volunteer 2025 by ZerPlastic National Movement (2025)

Languages:

- Sinhala- Native language
- English- Fluent in speaking and writing
- Tamil- Basic level

References are available upon request

Date: 14.01.2026