

# KALPANI SARATHCHANDRA



## CONTACT

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## SOFT SKILLS

- Analytical and critical thinking
- Leadership and Problem-solving
- Teamwork and collaboration
- Communication (written and verbal)
  - English, Sinhala
- Time management
- Adaptability
- Attention to detail

## TECHNICAL SKILLS

- Realtime Landscaping Architect
- Laboratory Analysis
- SAS and Minitab
- MS Office and WordPress
- Python and HTML
- Canva and Adobe Photoshop



## PROFILE

Highly motivated Agriculture graduate specializing in Advanced Crop Production Technology with hands-on experience in greenhouse cultivation, crop management, laboratory analysis, and modern farming technologies. Skilled in data-driven plant growth analysis with strong analytical, teamwork, and communication abilities, aiming to contribute through efficient operations and continuous improvement.



## EDUCATIONAL QUALIFICATIONS

- **B.Sc. (Special) in Agricultural Technology and Management** 2021 – 2025

Faculty of Agriculture, University of Peradeniya, Sri Lanka

- Specialization: Advanced Crop Production Technology
- Final Grade Point Average (FGPA): 3.42
- Class: Second Class Honours Upper Division

Medium: English

Key Coursework: Crop Production and Management, Agri Business Management, Soil Science, Agricultural Biotechnology, Agricultural Engineering, Environment Sustainability, Agricultural Economics, Plant Physiology, Animal science and Food science

- **Diploma in Human Resource Management** 2024 – 2025

LPEC Campus

Medium: English

- Coverage: Human Resource Management, Industrial Law, Business Communication and Business Management

- **G.C.E. Advanced Level Examination** 2020

Government Science College, Matale

- Biological Science Stream
  - Biology – A
  - Chemistry – A
  - Physics – B
  - GIT – A

- **G.C.E. Ordinary Level Examination** 2015

Government Science College, Matale

- 7 A's and 2 B's (English and Art)

## PROJECTS

### EcoLanka Mushrooms (2024)

- Designed and implemented an automated oyster mushroom cultivation system for optimized yield.
- Integrated sensor-based controls for humidity, temperature, and light to maintain optimal growth conditions.
- Improved production efficiency, consistency, and sustainability through agricultural automation and controlled environment management.

## REFERENCES

Prof. H.M.G.S.B.  
Hitinayake  
Professor,  
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Science,  
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## RESEARCH EXPERIENCE

- **Effect of Moringa (*Moringa oleifera*) Leaf Extract as a natural Bio-Stimulant on Tomato (*Solanum lycopersicum* L.) under Organic and Inorganic Fertilizer applications.**  
Undergraduate Research Project (Thesis-based)
  - Planned and conducted a factorial CRD greenhouse experiment with proper treatments and replications.
  - Managed greenhouse operations including irrigation, nutrient application, and growth monitoring.
  - Collected and analyzed growth and physiological data and performed laboratory analyses (chlorophyll, leaf nutrients).
  - Conducted statistical analysis using ANOVA and Tukey's HSD in SAS, and prepared technical reports and presentations.



## COURSES AND CERTIFICATIONS

- **Lean Six Sigma White Belt** – Skill Gate (Pvt) Ltd.
- **Leadership and Management / Project Management** – Great Learning
- **Advanced Landscaping Course** – University of Peradeniya
- **Planet Pulse: Understanding Climate Action** – Student Society for Climate Awareness
- **JICA Chair Programme for Japan's Modernization** – SLJSC
- **Aspire Leadership Programme** – Aspire Institute
- **Diploma in Python Programming** – Alison
- **Essentials of Research Methodology** – Alison
- **Advanced Certificate in English** – SLELGA
- **Dhamma Schools Final Certificate Examination (2015)**– Results: 3D and 1C



## VOLUNTEERING & EXTRA-CURRICULAR ACTIVITIES

- **Yuthukama Project** – Zero Plastic Society, University of Peradeniya | 2024
  - Member of the organizing and design team for Kandy Esala Perahera, supporting public awareness on plastic waste reduction and sustainable tourism through eco-friendly materials.
- **Green Canopy** – Phase 2 (Zero Plastic Society) | 2024
  - Participated in bamboo planting initiative at Kingswood College, Kandy, promoting environmental restoration and sustainability and supported community engagement for plastic-free living.
- **Life Knuckles Program** | 2024
  - Contributed article writing and awareness programs on biodiversity conservation in the Knuckles Mountain Range.