

## IMAN SANDARU SUBASINGHE

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**Address:** 520, Mukalana, Pannala, North-Western Province, Sri Lanka

### PROFILE

Dedicated and academically driven B.Sc. (Honours) Agriculture graduate major in Animal Science & Technology, maintaining a strong academic record (FGPA: 3.77/4.00). Experienced in applied research and laboratory-based investigations in animal nutrition, dairy science, bioactive compound analysis, and sustainable feed systems, with hands-on exposure to nutritional biochemistry research at the National Institute of Fundamental Studies (NIFS). Skilled in scientific data interpretation, laboratory analysis, technical reporting, and project execution, complemented by leadership roles and active engagement in university societies. I am motivated to do higher studies in agriculture to contribute to evidence-based innovations in livestock sector and sustainable food systems.

### RESEARCH INTERESTS

**Ruminant Nutrition | Alternative Aimal Feeds | Methane Mitigation | Dairy Science | Sustainable Livestock Production Systems**

### EDUCATION

- **B.Sc. (Honours) Agricultural Technology and Management (First Class)**  
Faculty of Agriculture, University of Peradeniya, Sri Lanka. (2025)  
Major: Animal Science & Technology  
Final GPA: 3.77/4.00
- **G.C.E. Advanced Level Examination (2019)**
  - Central College Kuliypitiya
  - Biological Science Stream – Chemistry: A | Biology: B | Physics: B
- **G.C.E. Ordinary Level Examination (2016)**
  - Central College Kuliypitiya
  - 9 'A' Passes for all 9 subjects

## RESEARCH EXPERIENCE

### Research Intern – Nutritional Biochemistry Laboratory

- National Institute of Fundamental Studies (NIFS), Kandy (2025)
- Conducted laboratory analyses related to nutrient composition, bioactive compounds, microbiology, antioxidants, antidiabetic and toxicological assays. Assisted with data analysis, statistical interpretation, and technical report preparation.

### Undergraduate Research Project

“Nutrient, Bioactive and Toxicological Profiles of Raw and Cooked Forms of Two Underutilized Sri Lankan Seaweeds: *Sargassum polycystum* and *Padina antillarum*”

- Conducted proximate composition, mineral profiling, antioxidant assays, and heavy metal analysis. Analyzed the influence of thermal processing on nutritional and bioactive properties. Generated data applicable to human food and alternative feed resources in livestock nutrition.

## PROJECTS & FIELD WORKS

- **Farm Improvement Plan (2024):** Nutritional assessment and performance analysis for semi-intensive, medium-scale broiler farm in Pannala, Sri Lanka.
- **Public Awareness Campaign (2023):** Promoted Good Agricultural Practice (GAP) certified agriculture produces at Agri-Fresh Sales Center, Gannoruwa, Sri Lanka.
- **Soil and Water Assessment (2024):** Participated in field studies on soil degradation near an industrial coir dust facility, Sri Lanka.

## TECHNICAL SKILLS

- **Laboratory & Analytical:** Proximate analysis, sample preparation, biochemistry basis, ICP-OES sample handling, phytochemical assays, nutritional evaluation.
- **Data & Software:** Microsoft Office, SAS, CompuSyn, GraphPad, Python
- **Other:** Technical writing, scientific reporting, research presentation.

## SOFT SKILLS

**Teamwork | Leadership | Time Management | Communication | Problem Solving | Creativity | Analytical Thinking |**

## CERTIFICATIONS

- Professional Certificate in Human Resource Management (2025)
- Good Manufacturing Practice (GMP) Certification (2025) - Halcyon
- Professional Certificate in Food Safety Compliance and Auditing (2025) - Halcyon
- Antibiotic Resistance (2025) - FAO
- Agriculture, Economics and Nature (2024) – UWA, Australia
- Python for Beginners (2024)

## VOLUNTEERING

- **Research Volunteer**  
Nutritional Biochemistry Laboratory, NIFS (2025)
- **Seminar Instructor**  
GCE Ordinary Level Examination (2023–2025)

## WORKSHOPS & FIELD EXPERIENCES

- **Molecular Biology** – Faculty of Agriculture, UOP (2024)
- **Drones for Agriculture** – Soil Science Society, UOP (2024)
- **Explore Diversity of Upcountry Soils** – Nuwara Eliya (2022)
- **Combustion Engines** – Kurunegala (2022)
- **6 Months Residential Training Program** – Mahailuppallama Sub-Campus (2022)

## LEADERSHIP & MEMBERSHIPS

- **Vice President (2024–2025)**, Robobots Club, Faculty of Agriculture, UOP
- **Junior Treasurer (2024–2025)**, Agriculture Faculty Forestry Society (AFFS)

## REFEREES

### **Prof. Barana C. Jayawardana - Dean**

Faculty of Agriculture, University of Peradeniya, Sri Lanka.

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### **Prof. Ruvini Liyanage - Associate Research Professor**

National Institute of Fundamental Studies (NIFS), Kandy, Sri Lanka.

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