

NIROSHA HERATH

Agricultural Technology and Management Graduate

Department of Agricultural Biology, Faculty of Agriculture, University of Peradeniya, Sri Lanka

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EDUCATION

BSc.(Honors) Agricultural Technology and Management

June 2021– Nov 2025

Department of Agricultural Biology, Faculty of Agriculture, University of Peradeniya, Sri Lanka

First Class Honors, First in Majoring Module - Plant Pathology and Microbiology

Overall GPA: 3.76 out of 4.00

Area of Specialization - Plant Pathology and Microbiology

Core Subject Areas - Crop Science, Animal Science, Agricultural Economics & Business Management, Agricultural Extension, Food Science & Technology, Soil Science, Agricultural Engineering, Agricultural Biology

Subjects Followed Under the Area of Specialization - Plant Pathology, Microbiology, Clinical Plant Pathology, Applied Genetics and Plant Breeding, Pesticide Management, Scientific Research and Communication in Biology, Post-harvest Pathology, Virology, Microbial Biotechnology, Agricultural and Environmental Microbiology, Practicum in Molecular Microbiology, Nematology.

G.C.E. Advanced Level Examination

Aug 2019

Swarnamali Girls' College, Kandy, Sri Lanka

Major: Biology- A | Agriculture - A | Chemistry- B

G.C.E. Ordinary Level Examination

Dec 2015

Swarnamali Girls' College, Kandy, Sri Lanka

A (8) B (1)

RESEARCH

Evaluation of Montmorillonite-Green Nano Copper Oxide-Fragmented

July 2025 - Nov 2025

Pathogenic DNA Nanocomposites for the Management of Damping Off in Tomato

Undergraduate Research Project

Department of Agricultural Biology, Faculty of Agriculture, University of Peradeniya

Supervisors: Prof. Devika M. De Costa, Mr. K.D.R.C. Rienzie, Prof. N. M. Adassooriya

PUBLICATIONS

Abstract Publicatin - **H.M.N.P.K. Herath** , K.D.R.C. Rienzie, D.M. De Costa , N.M. Adassooriya (2025), "Evaluation of Montmorillonite-Green Nano Copper Oxide-Fragmented Pathogenic DNA Nanocomposites for the Management of Damping Off in Tomato", Faculty of Agriculture Undergraduate Research Symposium (FAuRS 2025)

WORK EXPERIENCE

• Intern – Peoples' Bank, Ankumbura, Sri Lanka

April 2021- June 2021

• Intern – The Kiosk, Faculty of Agriculture, University of Peradeniya, Sri Lanka

June 2023- June 2024

TECHNICAL SKILLS

- Microbial Culturing
- Aseptic Techniques
- Bacterial and fungal DNA Extraction
- PCR & Gel Electrophoresis
- Isolation & Identification of pathogens
- Green synthesis of Metal Nanoparticles
- Antimicrobial Assays

PROJECTS

Transforming Communities Through Sociological and Psychological Insights **2024**

Vermicompost Project for Meegahamadiththa Village Women, Sri Lanka

- Demonstrated a women community to develop vermicompost as a sustainable income source
- Monitored and empowered the village community

ENGLISH PROFICIENCY

- The medium of Instruction for the completed BSc degree was English
- Part- Time Certificate Course in Professional English - Distinction Pass **July 2019- December 2019**
Vocational Training Centre - Polgolla, National Youth Services Council, Sri Lanka

AWARDS

School Prize Winner

Swarnamali Girls' College, Kandy, Sri Lanka

2016

- Awarded for general proficiency as the grade first
- Awarded for Agricultural science

REFERENCES

Prof. Devika M. De Costa

Senior Professor and Chair of Plant Protection

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Dr. P.A.I.U. Hemachandra

Lecturer (Probationary)

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Mr. K.D.R.C. Rienzie

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