



**Department of Mathematics**  
**Faculty of Science / University of Peradeniya**



**Mrs. D. M. N. K. Dissanayaka**

*B.Sc. (Perad)*

**Lecturer (Probationary)**

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## About Me

Currently, I am working as a Lecturer at the Department of Mathematics, University of Peradeniya. I received my BSc (Hons) special degree in Mathematics from the University of Peradeniya, Sri Lanka. Now, I am reading for an MPhil in Mathematics at the Postgraduate Institute of Science, the University of Peradeniya. My research interests are mainly in Mathematical Modeling in Epidemiology and Differential Equations.

## Higher Education Qualifications

 **BSc**

University of Peradeniya

Sri Lanka

(2017)

## Awards, Scholarships, Memberships & Fellowships



University Award for Academic Excellence – University of Peradeniya (2017)

## Positions Held



Probationary Lecturer- Department of Mathematics, University of Peradeniya- (July 2021 - to date)







Temporary Lecturer- Department of Mathematics, University of Peradeniya- (January 2019 - February 2020)



Temporary Demonstrator- Department of Mathematics, University of Peradeniya- (January 2018 - December 2018)

## My Teachings

-  ENS3412: Environmental Modeling
-  MAT2033: Ordinary Differential Equations
-  MAT3032: Partial Differential Equations
-  MAT3143: Network Optimization Theory

## Research Interests (Research Fields/ Projects)

- Mathematical Modeling in Epidemiology
- Partial Differential Equations
- Ordinary Differential Equations

## Ongoing Research and Projects



**Mathematical Modeling of spread of Covid-19 with the Environmental Transmission of Coronavirus and the Optimal Control Measures.**

## Key Publications



Nothing to show under this subheading !!!

## Conferences



Nothing to show under this subheading !!!

## My Publications

Please goto the website.

<https://sci.pdn.ac.lk/maths/staff/Nirosha-Dissanayaka>