



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



**Dr. Dimanthi R. Uduwela**

*B.Sc. (Perad.), Ph.D. (ANU, Australia)*

**Senior Lecturer**

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**Higher Education Qualifications**

🎓 **PhD**

Australian National University  
Australia  
(2017)

🎓 **BSc**

University of Peradeniya  
Sri Lanka  
(2010)

## Awards, Scholarships, Memberships & Fellowships



Charles Hocart Award for Academic Research Excellence by ThermoFisher Scientific (2015) – ACT Mass spectrometry symposium





Hayley's Award for the Best Performance in First Year Chemistry (2007) – University of Peradeniya









University Award for Academic Excellence in B.Sc. Special Degree Program in Chemistry (2011) – University of Peradeniya

## Positions Held

-  Senior Student Counsellor- (January 2020 - To date)
-  Secretary - PGIS Curriculum Development Committee- (July 2020 - To date)
-  Co-coordinator - Advanced Course in Organic Chemistry (Postgraduate Institute of Science)- (January 2020 - To date)
-  Secretary - University of Peradeniya Science Alumni Association (UPSAA)- (January 2019 - January 2020)



## My Teachings

-  AS434: Industrial Organic Chemistry
-  CH221: Organic Chemistry I
-  CH321: Chemistry of Biomolecules
-  CH351: Biological Chemistry I
-  CH426: Natural Product Chemistry
-  CH455: Biological Chemistry II

## Research Interests (Research Fields/ Projects)

Enzyme engineering, bioactive natural products

## Ongoing Research and Projects

-  **Determination of biological activities and chemical constituents of *Dendrophthoe falcata***
-  **Natural products incorporated biopolymers as wound dressings**

## Key Publications



Nothing to show under this subheading !!!

## Conferences



### 40th Lorne Conference on Protein Structure and Function

**HELD AT :** Lorne - Australia - (February 2015)

**TOPIC :** *Improving the Arylsulfatase from Pseudomonas aeruginosa for Anti-Doping Applications*



### 10th ACT Mass Spectrometry Symposium

**HELD AT :** Canberra - Australia - (November 2015)

**TOPIC :** *PaS performance is not an indicator of future performance: using LC-MS to engineer the Pseudomonas aeruginosa arylsulfatase for anti-doping applications*



### The Royal Australian Chemical Institute Organic One-Day Symposium

**HELD AT :** Canberra - Australia - (December 2014)

**TOPIC :** *A Steroid Sulfatase for Anti-Doping*



### Asian Symposium on Medicinal Plants, Spices and other Natural Products XVI

**HELD AT :** Colombo - Sri Lanka - (December 2018)

**TOPIC :** *A comparison of bioactivity of the hemi-parasite Dendrophthoe falcata on the host plants Limonia acidissima and Mangifera indica*

## My Publications

Please goto the website.

<https://sci.pdn.ac.lk/chemistry/staff/Dimanthi-Uduwela>