

# Y M UDESHIKA YAPA BANDARA

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## **ACADEMIC QUALIFICATIONS:**

2010 - **B.Sc.Hons. Human Biology Special Degree (Biochemistry specialization)**

Faculty of Medical Sciences, University of Sri Jayewardenepura, Sri Lanka.

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## **RESEARCH EXPERIENCE:**

**Undergraduate Research:** Department of Biochemistry, Faculty of Medical Sciences, University of Sri Jayewardenepura, Sri Lanka, 2009 (Research supervisor: Dr. Suresh T S)

- i. Identification of the type of chemical compounds present in aqueous leaf extract of *Nyctanthes arbor-tristis*.
  - ii. Fractionation of the extract by appropriate separation method (Gel Filtration Chromatography, Thin Layer Chromatography)
  - iii. Testing of the oral hypoglycaemic activity of each fraction in male Wistar rats
  - iv. Identification of at least one active compound in aqueous leaf extract of *Nyctanthes arbor-Tristis* (Chemical tests, IR spectroscopy)
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## **PROFESSIONAL EXPERIENCE:**

**Temporary Demonstrator:** Medical Laboratory Science Unit, Faculty of Medical Sciences, University of Sri Jayewardenepura, Sri Lanka (2010 – 2011).

**Lecturer:** South Asian Institute of Technology and Medicine, Faculty of Medicine, Dept. of Histology, Malabe, Sri Lanka (2012 February - upto date)

**Visiting Lecturer:** Management and Science University (MSU) – Malaysia, Colombo Learning Centre, Colombo 03, Sri Lanka (2014 November – 2015 April)

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**PUBLICATIONS AND PRESENTATIONS:**

*Oral Presentation and abstract published:*

On **“ORAL HYPOGLYCAEMIC EFFECT OF THE BIOACTIVITY GUIDED FRACTIONS OF AQUEOUS LEAF EXTRACT OF *Nyctanthes arbor-tristis*”**

– in Annual Scientific Sessions, Faculty of Medical Sciences, University of Sri Jayewardenepura, Sri Lanka (11<sup>th</sup> & 12<sup>th</sup> November 2010)

*On the process of being published in the **Indian Journal of Experimental Biology.***

*Poster presentation and abstract published:*

On **“PREVALENCE OF SELECTED KNOWN NON COMMUNICABLE DISEASES AMONG A GROUP OF GOVERNMENT SECTOR WORKERS AND A GROUP OF PRIVATE SECTOR WORKERS IN A SELECTED AREA OF THE WESTERN PROVINCE”**

– in Research Symposium, Faculty of Medicine, South Asian Institute of Technology and Medicine, Sri Lanka(4<sup>th</sup> April 2014)

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**POST GRADUATE COURSES ATTENDED:**

1. Successfully completed the training course in **“Cell Culture Techniques”** with hands on experience conducted by the **Institute of Biochemistry, Molecular Biology and Biotechnology (IBMBB), University of Colombo, Sri Lanka** from May 25-29, 2015.

**Hands on experience in-**

**Media preparation, cell counting, viability determination, growth of adherent and suspension cells and maintenance of cells, freezing and thawing of human cancer cell lines, apoptotic detection by AO/EB staining DNA fragmentation assay, cytotoxicity determination by MTT,**

**SRB assays and an exposure to anticancer drug screening, Isolation and maintenance of primary cells and DNA and RNA extraction from cultured cell.**

2. Successfully completed the international workshop on **“Translational cancer research”** organized by the **International Centre for Genetic Engineering and Biotechnology (ICGEB) - International Union of Biochemistry and Molecular Biology (IUBMB)**, Cape Town, South Africa from October 12<sup>th</sup> - 16<sup>th</sup> 2015.

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**MEMBERSHIPS:**

1. Awarded full membership of the **Young Scientists Forum (YSF)** – Registration No: Y/B/27
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**WORK SHOPS ATTENDED:**

1. Workshop on **“GOOD GOVERNANCE”** Conducted by Prof. Nimal Gunawardena, University of Peradeniya, organized by IQA committee of South Asian Institute of Technology and Medicine, hosted by Quality Assurance and Accreditation (QAA)council of University Grant Commission, Sri Lanka.
2. Workshop on **“RESEARCH METHODOLOGY”** Conducted by Prof. Janendra De Costa, University of Peradeniya, organized by IQA committee of South Asian Institute of Technology and Medicine, hosted by Quality Assurance and Accreditation (QAA)council of University Grant Commission, Sri Lanka.
3. Workshop on **“EFFECTIVE PROPOSAL WRITING”** conducted by National Science Foundation (NSF) on 09/12/2014.
4. Workshop on **“MEDICAL RESEARCH METHODOLOY”** organized by Post Graduate Institute of Medicine (PGIM), University of Colombo, Sri Lanka (September 2015- November 2015)