

Hasini Wasundara Rathnayake



Academic Position

Senior Lecturer- Grade II

Dept. of Medical Laboratory Science
Faculty of Allied Health Sciences
University of Peradeniya

Date of Birth

15th August, 1988

Contact me

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Sri Lanka

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Teaching and Research Interest

Biomarkers for risk prediction and prevention of metabolic and reproductive disorders

Pathophysiology and mechanisms underlying metabolic and reproductive disorders

Interventions for the prevention and treatment of metabolic and reproductive disorders

Objective

A post graduate student and lecturer with 6 years of strong research and teaching experience. Possess a Master's degree in Molecular Biology and Biochemistry. Looking to leverage knowledge and experience through PhD study with an expert at a remarkable institution

Skills

Problem solving

Adaptability

Collaboration

Strong work ethic

Time management

Critical thinking

EDUCATION

2019 **Master of Philosophy in molecular biology and biochemistry** at Postgraduate Institute of Science, University of Peradeniya, Sri Lanka (**GPA- 3.98/ 4.0**)

Title: The effect of proximate composition, and Chromium, Zinc, Calcium and Phosphorus ion concentration on in vivo glycemic response in different rice varieties

Supervisors: Prof. JGS Ranasinghe
Dr. Susil P. Silva

Reading **Master of Business Administration** at Faculty of Business Studies and Finance, Wayamba Univesity of Sri Lanka

2014 **Bachelor of Science in Medical Laboratory Science, Second Class - Upper division** at Faculty of Allied Health Sciences, University of Peradeniya, Sri Lanka (**GPA- 3.3/ 4.0**)

Main course modules: Physiology, Basic biochemistry, Genetic and Molecular biology, Clinical biochemistry, Haematology, Histotechnology, Immunotechnology, Microbiology

Laboratory exposure: Laboratory in Teaching Hospital, Kurunegala, Sri Lanka.

Medical Research Institute, Sri Lanka.

Department of Microbiology, Faculty of Medicine, University of Peradeniya, Sri Lanka.

Department of Pathology, Faculty of Medicine, University of Peradeniya, Sri Lanka.

2011 **Diploma of Human Resource Management** at Management and Vocational Training Center, Kurunegala, Sri Lanka

RESEARCH EXPERIENCE

2016 **Master of Philosophy in molecular biology and biochemistry**

to

2019 Title: The effect of proximate composition, and Chromium, Zinc, Calcium and Phosphorus ion concentration on in vivo glycemic response in different rice varieties

Supervisors: Prof. JGS Ranasinghe
Dr. Susil P. Silva

- Analysis of proximate composition of rice varieties
- Analysis of micronutrients of rice varieties
- Determine the glycemic response to rice
- Calculate GI of rice varieties

2013 Bachelor of Science in Medical Laboratory Science

Title: The prevalence of coliforms, *Pseudomonas* and *Candida* species in the oral flora of beta-thalassemia major patients (2013)

Supervisor: Prof. JAMS Jayatilake

- Data and sample collection in hospitalized thalassemia patients at Teaching Hospital , Peradeniya
- Isolate and identification of coliforms, *Pseudomonas* and *Candida* species

2013 Worked as Clinical Laboratory Analyst at South Asian Clinical and Toxicology Research Collaboration (SACTRC), Faculty of Medicine, University of Peradeniya

SCHOLARSHIPS AND ACADEMIC DISTINCTIONS

2017-2018 Erasmus+ International Credit Mobility (ICM) Scholarship at Fall Semester Middle East Technical University, Turkey

2004 Distinction class in Australian National Chemistry Quiz organized by Royal Australian Chemical Institute

PROFESSIONAL AND TEACHING EXPERIENCE

January 2015-Present:

Lecturer (Probationary) at Department of Medical Laboratory Science, Faculty of Allied Health Sciences, University of Peradeniya

Teaching: - Conducting lectures, practical sessions and tutorials on General Microbiology, Systematic Bacteriology, Laboratory Management, Clinical Biochemistry, Laboratory Safety and Quality Assurance & Accreditation.

October 2014–January 2015:

Temporary lecturer at Department of Medical Laboratory Science, Faculty of Allied Health Sciences, University of Peradeniya

January 2014- September 2014:

Temporary demonstrator at Department of Medical Laboratory Science, Faculty of Allied Health Sciences, University of Peradeniya

May 2013- January 2014:

Clinical laboratory analyst at South Asian Clinical and Toxicology Research Collaboration (SACTRC), Faculty of Medicine, University of Peradeniya

PUBLICATIONS

International

Rathnayake, R. M. H. W. and Çoruh, N. (2018). The Perception of Free Radicals in Pathogenesis of Bronchial Asthma, *International Journal of Scientific Research and Innovative Technology*, **5**(8).

Preparation or submitted-

Rathnayake, R. M. H. W., Ranasinghe, J.G.S., and Silva S.S.P. (2021). The In Vivo Glycaemic Response in Different Rice Varieties in Sri Lanka. Manuscript submitted for publication.

Rathnayake, R. M. H. W., Ranasinghe, J.G.S., and Silva S.S.P. The Effect of Proximate and Mineral Composition on In Vivo Glycemic Response in Major Rice Varieties in Sri Lanka. Manuscript in preparation.

Conference Abstracts

Rathnayake, R.M.H.W., Mudiyanse, R.M., and Jayathilake, J.A.M.S. (2013). Prevalence of coliforms, *Pseudomonas* and *Candida* species in the oral micro flora of patients with β thalassemia major. *Abstracts of the Annual Conference and Scientific Sessions of SSM*. 14.

Mendis, B.C.G., Jayathilake, R.M.C., **Rathnayake, R.M.H.W.**, Gunarathne, Y.R.I.A., Baddewithana, A.K., Dangolla, A., and Rajapakse, R.P.V.J. (2016). Coprological survey of Toque monkey troops (*Macaca sinica*) in three selected sites in Kandy, Sri Lanka. *Abstracts of PGIS Research Congress*. 94.

Mendis, B.C.G., Dangolla, A., Handagama, H.R.N.P.K., Jayathilake, R.M.C., **Rathnayake, R.M.H.W.**, Gunarathne, Y.R.I.A., Baddewithana, A.K., Gunarathne, T.G.N.S., and Rathnayake, B.M.C. (2016). Diabetes mellitus and cardio vascular

diseases among undergraduates of University of Peradeniya. Proceedings of Peradeniya University International Research Sessions, Sri Lanka. 20: 245

Accepted-

Kaluarachchi, K.A.C.M., **Rathnayake, R.M.H.W.**, Rathnayake, P., (2021). Prevalence of Anaplastic lymphoma kinase (ALK) gene rearrangement in lung adenocarcinoma diagnosed at a Tertiary Care Center. *Abstracts of the Annual Conference and Scientific Sessions of British Division of the International Academy of Pathology*, United Kingdom.

WORKSHOPS AND OTHER ACTIVITIES

- Successfully achieved the course of **SAKURA SCIENCE Exchange Program** administered by Japan science and Technology Agency - December 10- 15 in 2019
- Completed the workshop on **Scientific Writing** Conducted by Postgraduate Institute of Science, University of Peradeniya- 2019
- Completed workshops on “**Fundamentals of research Ethics**” conducted by Forum for Ethics Review Committees in Sri Lanka (FERCSL)- 2019
- Completed training program on “**ISO 15189:2012 Internal Auditing of Laboratory Management Systems**” conducted by Sri Lanka Accreditation Board for Conformity Assessment – 2016
- Completed workshop on “**Use of Molecular Methods for Diagnosis of Infectious Diseases**” by the Sri Lankan Society for Microbiology. 23 & 24- 06-2012
- Completed workshops on “**Significant updates on Endocrinology**” by Association of Medical Laboratory Technologists. 26- 02-2012
- Completed the seminar and workshop in **Women Leadership** by US Sri Lanka IVLP and the US Embassy in Sri Lanka. 30-07-2011
- Completed workshops on “**Immunology and molecular biology**” and Significant updates on Endocrinology by Association of Medical Laboratory Technologists. 24-04-2011
- Completed **Certificate course in Information Technology** at ESoft, Kurunegala (Microsoft office, Excel, PowerPoint, Access)- 2008

MEMBERSHIPS

- Registered Medical Laboratory Scientist at Sri Lanka Medical Council
- Certificate in First Aid (St. John Ambulance Association, Sri Lanka)
- Member in Sri Lankan Society for Microbiology from 2013 onwards

NON-RELATED REFEREES

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Biochemistry
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Cancer (CROC)
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I do certify that the information furnished by me in this resume is true, complete and correct to the best of my knowledge and belief.

R.M.H.W. Rathnayake

29-05-2021