

## Curriculum Vitae

### Personal Information

Name Kamani Ayoma Perera Wijewardena Jayatilaka  
Official address Department of Biochemistry, Faculty of Medicine, P. O. Box 70,  
Galle  
Tel No Official 091 2234803 Ext 205  
email [ayomaj@med.ruh.ac.lk](mailto:ayomaj@med.ruh.ac.lk), [ayomawijewardena@yahoo.com](mailto:ayomawijewardena@yahoo.com)

### Academic Qualifications

1981 : B.Sc. (University of Sri Jayewardenepura, Sri Lanka)  
1984 : M.Sc. (University of Sri Jayewardenepura, Sri Lanka)  
1991 : Ph.D. in Biochemistry (University of Ruhuna, Sri Lanka)

### Professional Career

1986-1990 Temporary Assistant lecturer in the Department of Biochemistry, Faculty of Medicine, University of Ruhuna, Sri Lanka  
1990-1991 Assistant Lecturer in the Department of Biochemistry, Faculty of Medicine, University of Ruhuna  
1991-1995 Lecturer in the Department of Biochemistry, Faculty of Medicine, University of Ruhuna  
1995 -2001 Senior Lecturer Grade II in the Department of Biochemistry, Faculty of Medicine, University of Ruhuna  
2001- 2009 Senior Lecturer Grade 1 in the Department of Biochemistry, Faculty of Medicine, University of Ruhuna  
Nov 2009 to March 2015 Associate Professor in the Department of Biochemistry, Faculty of Medicine, University of Ruhuna  
March 2015 to date Professor of Biochemistry in the Department of Biochemistry, Faculty of Medicine, University of Ruhuna  
1992-1994 Visiting Lecturer in Biochemistry and examiner for the Special Degree students at the Department of Chemistry, Faculty of Science, University of Ruhuna  
2009-2011 Coordinator of the Cell Biology and Biochemistry unit, Medical Laboratory Science (MLS) degree programme commenced in the Faculty of Medicine  
2009-2011 Visiting lecturer and examiner for the MLS degree programme  
1991 Examiner of the second MBBS examination  
to date  
2009-2012 Contributed in establishing the Medical Faculty of the General Sir John Kotelawala Defence University, Ratmalana, Sri Lanka, as the Head, Department of Biochemistry  
From 2003 External examiner of MPhil and PhD degree thesis  
2003-2005 External examiner at the 2<sup>nd</sup> MBBS *viva voce* examination at the University of Kelaniya and the University of Sri Jayewardenepura, Sri Lanka  
2012 External examiner of the M.D. (Obstetrics and Gynaecology) examination (Biochemistry)

## Fellowships and Awards:

- 1987 Award for the 'Best Paper' Galle Medical Association
- 1993 British Council fellowship to visit the Department of Pharmacognosy at the King's College, London
- 1999 WHO fellowship tenable at the Graduate School of Pharmaceutical Sciences, Tohoku University, Sendai, Japan
- 2001-2002 Research Fellowship awarded by the Matsumae International Foundation, Japan (1<sup>st</sup> April)
- 2001 President's Research Award
- 2003 President's Research Award
- 2004 President's Research Award
- 2004, 2005, 2012 Award for the "Best Scientific Paper" Galle Medical Association (GMA),
- 2014 Award for the "Best Oral Presentation" Galle Medical Association (GMA)
- 2015 Award for the "Best Oral Presentation" the Faculty of Medical Sciences, University of Sri Jayawardhanapura, Scientific Sessions
- 2013 **Patent** - Obtained a patent in. Patent no. No 14196 received for the Invention 'Aqueous plant extracts used in hepatoprotective and antioxidant activities' International Patent Classification-(IPC) A61K36/00
- 2018 S. Ramachandran award for the best scientific communication in nephrology
- 2016 NRC Merit Award for Scientific Publications - (awarded in 2018)
- 2020 SLMA Award for the best presentation in Pharmacology
- 2020 Wilson Peiris Award given by SLMA

## Editorial work

Editorial Board – Hindawi : Evidence- Based Complementary and Alternative Medicine -2021

## Supervision of research and Research Grants

- MPhil 2002-2005 (NSF research grant) 'Antioxidative and antihepatotoxic activities of some Sri Lankan medicinal plants in mice with chemically induced hepatotoxicity'
- 2007 (NSF research grant) 'Screening of twenty five medicinal plant extracts for their total polyphenol content and in-vitro antioxidant activity'
- PhD 2009-2013 'Phytopharmacological investigation of antidiabetic effects of some

(UGC research grant) PhD 2010-2015	medicinal plant extracts on chemically induced diabetes mellitus in rats’ ‘Effect of iodine and iron status during pregnancy on maternal and
(UGC research grant) PhD 2010-2015	neonatal thyroid functions: A prospective cohort study in Bope – Poddala health division’
(UGC research grant) PhD- Commenced in 2015 (UGC research grant)	‘Factors associated with survival of females with breast cancer’ ‘Anthracycline induced cardiotoxicity: A clinical, ethnopharmacological and biochemical approach’
PhD – (NSF research grant)	‘Protective effects of selected medicinal plant extracts in rats with chemical induced nephropathy’
PhD 2017 (NRC Grant)	Development of an antidiabetic agent from <i>Coccinia grandis</i> (L.) Vigot (Cucurbitaceae) for diabetes mellitus

### Positions held and other academic activities

1991 -1993	Faculty nominee to the Senate
1994-1998	Member of the Research and Higher Degrees Committee
1995- 2001	Member of the Curriculum Development and Evaluation Committee
1996 –2001	Student Counsellor
1999-2001	Convenor Research and Higher Degrees Committee
1998- 1999	Head, Department of Biochemistry
1997-2000	Member of the Canteen Committee
April 1999	Rapporteur of the WHO sponsored workshop held on “Developing Integrated Teaching Modules” (Nutrition Module)
2000	Member of the ‘Work group on Nutrition’ in the Development of Integrated Teaching Modules
1995-1996	Involved in the post-graduate training program of D. Path students and M.D. Pathology students
2000- 2001	Member of the Special Task Force–Backlog Clearance
2004 - 2007	Shadow PIC of the committee to improve English Language among the medical students (IRQUE project, Activity 5.1))
From 2003 to date	Student Mentor
2005	Member of the committee to design a curriculum for the Medical Laboratory Science Degree Programme at the Faculty of Medicine
2008	Chairperson of the Basic Sciences Module (Basic Physics, Basic Chemistry, Cell Biology and Biochemistry) designed for the Medical Laboratory Science Degree program
2005-2007	Member of the Library Committee
2007 –2009	Chairperson Library Committee
2008 –2011	Coordinator Cell-biology and Biochemistry Unit of the MLS degree Programme
2009-2012	Staff Advisor from the department of Biochemistry to the General Sir John Kotelawala Defence University in designing the curriculum for the Medical Faculty established in 2009
2009 - 2012	Head, Department of Biochemistry (Four years)
2009-2012	Member of Curriculum Development and Evaluation Committee

2011-2012	Member of the Research and Higher Degrees Committee
2011 to date	Member of the Board of Study of the Faculty of Medicine
2014- to date	Chairperson of the Technical Evaluation Committee for chemicals, Faculty of Medicine
2017 –to date	Member CD &EC

### Publications in Journals (From 2015)

1. Attanayake, A.P., **Jayatilaka, K.A.P.W.**, Pathirana, C., Mudduwa, L.K.B. (2015) Antioxidant activity of *Gmelina arboria* Roxb. (Verbanaceae) bark extract: In vivo and *in vitro* study. Journal of Medical Nutrition and Nutraceuticals, 4(1) pp32-38.
2. Attanayake A.P., **Jayatilaka K.A.P.W.**, Pathirana C., Mudduwa L.K.B. (2015) Toxicological investigation of *Spondias pinnata* (L. F.) Kurz. (Family: Anacardiaceae) bark extract in Wistar rats. International Journal of Green Pharmacy, 9(1), pp26-31.
3. Attanayake A.P., **Jayatilaka K.A.P.W.**, Pathirana C., Mudduwa L.K.B. (2015) Phytochemical screening and *in vitro* antioxidant potentials of extracts of ten medicinal plants used for the treatment of diabetes mellitus in Sri Lanka. African Journal of Traditional Complementary and Alternative Medicines 12(4), pp.28-33.
4. Attanayake A.P., **Jayatilaka K.A.P.W.**, Pathirana C., Mudduwa L.K.B. (2015) Antihyperglycaemic activity of *Coccinia grandis* (L.) Voigt (Cucurbitaceae) in streptozotocin induced diabetic rats. Indian Journal of Traditional Knowledge 14(3), pp. 876-881.
5. Peris H, Mudduwa L, Thalagala N, **Jayatilaka K.** (2015) Association between age at presentation and pathological features of breast cancer and its effect on survival; a comparative study done in Sri Lanka. Annals of Medical and Biomedical Sciences 1(2):37-45.
6. Attanayake A.P., **Jayatilaka K A P W** (2016) Evaluation of antioxidant properties of 20 medicinal plant extracts traditionally used in Ayurvedic medicine in Sri Lanka. Indian Journal of Traditional Knowledge 15 (1) pp 50-56
7. Attanayake A.P., **Jayatilaka K.A.P.W.**, Pathirana C., Mudduwa L.K.B. (2016) *Gmelina arborea* Roxb. (Family: Verbenaceae) extract upregulates the  $\beta$ -cell regeneration in STZ induced diabetic rats. Journal of Diabetes Research, <http://dx.doi.org/10.1155/2016/4513871>
8. Harshini PEIRIS, Lakmini MUDDUWA , Neil THALAGALA and **Kamani JAYATIALAKE** The value of Nottingham grade in breast cancer re-visited in the Sri Lankan setting. Malaysian Journal of Pathology 2017; 39(2) : 141 – 148
9. HH Peiris1, LKB Mudduwa, NI Thalagala, **KAPW Jayatilaka** (2017) Do Breast Cancer Risk Factors Affect the Survival of Breast Cancer Patients in Southern Sri Lanka? Asian Pacific Journal of Cancer Prevention, 18 (1), 69-79
10. Harshini PEIRIS, Lakmini MUDDUWA , Neil THALAGALA, **Kamani JAYATIALAKE** (2018) Validity of St Gallen risk categories in prognostication of breast cancer patients in Southern Sri Lanka. BMC Women’s Health 18:30
11. Sandamali, J.A.N., Hewawasam, R.P., **Jayatilaka, K.A.P.W.**, Mudduwa, L.K.B., 2020. Cardioprotective potential of *Murraya koenigii* (L.) Spreng. leaf extract against doxorubicin-induced cardiotoxicity in rats. Evidence-Based Complementary and Alternative Medicine, 2020. doi: 10.1155/2020/6023737.
12. Sandamali, J.A.N., Hewawasam, R.P., Fernando, M.A.C.S.S., **Jayatilaka, K.A.P.W.**, Madurawe, R.D., Sathananthan, P.P., Ekanayake, U., Horadugoda, J. Anthracycline induced cardiotoxicity in breast cancer patients from Southern Sri Lanka: An echocardiographic analysis. BioMed Research International, 2020. doi: 10.1155/2020/1847159.

13. Wasana, K.G.P., Attanayake, A.P., **Jayatilaka, K.A.P.W.** and Weerathna, T.P., 2020. Natural drug leads as novel DPP-IV inhibitors targeting the management of type 2 diabetes mellitus. *Journal of Complementary Medicine Research* 11(1), pp.43-53.
14. Wasana, K.G.P., Attanayake, A.P., Weerathna, T.P. and **Jayatilaka, K.A.P.W.**, 2020. Demographic Associations of Diabetes Status by Both Fasting Plasma Glucose Concentration and Glycated Hemoglobin in a Community Survey in Galle District, Sri Lanka. *Journal of Nutrition and Metabolism*, 2020. <https://doi.org/10.1155/2020/6127432>.
15. Amarasiri, S.S., Attanayake, A.P., Arawwawala, L.A.D.M., **Jayatilaka, K.A.P.W.**, Mudduwa, L.K.B., 2020. Protective effects of three selected standardized medicinal plants used in Sri Lankan traditional medicine on adriamycin induced nephrotoxicity in Wistar rats. *Journal of Ethnopharmacology*. ID 112933. <https://doi.org/10.1016/j.jep.2020.112933>.
16. Wasana K.G.P., Attanayake A.P. , **Jayatilaka K.A.P.W.** , Weerathna T.P. (2021) Antidiabetic Activity of Widely Used Medicinal Plants in the Sri Lankan Traditional Healthcare System: New Insight to Medicinal Flora in Sri Lanka. *Evidence-Based Complementary and Alternative Medicine* |Article ID 6644004 | <https://doi.org/10.1155/2021/6644004>
17. Keddagoda Gamage Piyumi Wasana, Anoja Priyadarshani Attanayake, Thilak Priyantha Weerathna, **Kamani Ayoma Perera Wijewardana Jayatilaka** (2021) Value of simple clinical parameters to predict insulin resistance among newly diagnosed patients with type 2 diabetes in limited resource settings *PLOS One* 16 (3), e0248469
18. Wasana K.G.P., Attanayake A.P. **Jayatilaka K.A.P.W.** , Weerathna T.P. (2021) Prevalence of dysglycemia and its associations with age and body mass index among community dwelling adults in a developing country. *International Journal of Diabetes in Developing Countries*, 1-8
19. Wasana, K.G.P., Attanayake, A.P., Weerathna, T.P. and **Jayatilaka, K.A.P.W.**, (2021). Efficacy and safety of a herbal drug of *Cocciniagrands* (Linn.) Voigt in patients with type 2 diabetes mellitus: A double blind randomized placebo controlled clinical trial. *Phytomedicine*, 81, p.153431.
20. Sachintha S. Amarasiri, Anoja P. Attanayake , Liyanagae D. A. M. Arawwawala, **Kamani A. P. W. Jayatilaka** (2021) Nephroprotective activity of *Vetiveria zizanioides* (L.) Nash supplement in doxorubicin-induced nephrotoxicity model of Wistar rats. *Journal of Food Biochemistry* 45(10) DOI: [10.1111/jfbc.13901](https://doi.org/10.1111/jfbc.13901)