

Curriculum Vitae

**Hettihewa Lukshmy
Menik
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Curriculum Vitae

Name	Lukshmy Menik Hettihewa
Nationality	Sinhala
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e mail	hettihewamenik@gmail.com menik@med.ruh.ac.lk
Date of birth	July 12, 1965
Civil status	married
Current job	Technology transfer Director, University of Ruhuna Senior Chair professor–clinical Pharmacology and medically qualified Immunopharmacologist
Experience	24 years since 1995

Personnel statement

With my experience in this subject, I have noted that studying a pharmacology requires serious commitment, and requires a considerable amount of willpower and ability. I hope that this personal statement, which shows my determination, experience and passion, will be seen as a testimony to my strong desire to enter this field in clinical pharmacology.

While the opportunity to earn a decent wage in pharmacology and drug development it is not the only critical factor that has enticed me to this subject. I have essentially been drawn to it for three main reasons, a strong desire to help others, a genuine interest in the sciences, and also personal exposure to medicine.

I have excellent organization skills which I have used successfully in the past in my academic and working life in university of Ruhuna in Sri Lanka. I was very much enthusiastic in developing soft skills in staff and students.

I have strong inter-personal skills and have employed these throughout my personal life to liaise with the public, clients, colleagues, professionals, and more recently fellow students and tutors.

I feel that I am an emotionally strong person, who has shown determination, initiative and empathy in all areas of my life when dealing with difficult emotional circumstances and various challenging situations. As an individual I have always given my best attention to everyone I come into contact with, always in a calm and polite manner and with a good sense of humour.

Present Post

Immunopharmacologist,
Senior Professor of Pharmacology chair

Technology Transfer Director
Founder Coordinator of the Bachelor of Pharmacy degree programme Faculty of Medicine. University of Ruhuna Sri Lanka
Former Head of the Department of Pharmacology, Faculty of Medicine, University of Ruhuna Sri Lanka
Head, Molecular Science and Biomedical Unit, Faculty of Medicine University of Ruhuna.
Visiting Scientist to the Dalhousie University Agriculture Campus Canada.

Educational Qualification

1. PhD Degree in Molecular Science and Immunobiology, combined study with University of Nagasaki Japan and granted by the University of Ruhuna, Sri Lanka in 2003. Work was conducted in the Department of Molecular Sciences division of Immunology and Parasitology in Nagasaki Graduate School of Medicine Japan.

It was related to the new vaccine development against malaria using the Sporozoite Surface protein 2 engineered dendritic cells for the induction of specific cytotoxic T cells. Research topic; "Induction of malaria sporozoite specific surface proteins (SSP2) specific CD8⁺ T cell immunity by vaccination of genetically engineered dendritic cells (Paper is published).

2. MBBS (Peradeniya, Sri Lanka) in 1992 - Medical degree with second class honors in each examination.

Research works carried out in the Department of Pharmacology by my self

- In Japan, malarial vaccine development with DNA transfections using retrovirus.
Pharmacovigilance, study of drug use patten in different hospitals, DDD analysis
- b. Mechanism of improvement of insulin resistance with pioglitazone in diabetes.
 - d. Effects of pioglitazone on insulin resistance and bone inflammatory markers in PCOS syndrome.
 - e. Molecular mechanism of inducing glucose intolerance by thiazide.
 - f. The efficacy of garlic on lipid profiles and its synthesis in human.
 - g. The Molecular mechanisms of toxicity of therapeutic doses of garlic on rats.
 - h. Therapeutic efficacy of garlic on bronchial-hyper-responsiveness and inflammatory cells of exudates of asthmatic patient

Carrier Details

Medical officer in National Hospital, Colombo	1993-1994
Senior Medical Officer in Teaching Hospital, Galle	1994-1995
Lecturer in Pharmacology	1995 – 2003
Senior lecturer in Pharmacology	2003 onwards
Head / Pharmacology	2008 onwards
Head / Molecular Science and Biomedical Unit	2004 onwards

Awards and fellowships and orations.

1. Best poster presentation award by **Annual academic awards** at 6th academic sessions and 5th Vice Chancellors awards in University of Ruhuna 2009
2. Presidential awards 2003/5 to my paper on Immunization of retrovirus transfected dendritic cells induces specific cytotoxic T lymphocytes for two distinct malarial peptides by K^d molecule NT IMMUNOPHARMACOL 2003, Vol 3, Iss 10-11, pp 1401-1411
3. Best poster presentation award by **Annual academic awards** at annual academic sessions in University of Ruhuna 2006
4. Best oral presentation award by **Annual academic award** at annual academic sessions in University of Ruhuna 2006
5. SLMA **best international paper award** (CNAPT) 2005 by Sri Lanka medical council
6. Short term fellowship from the Indian Institute of Health management of Research Jaipur, India for training in irrational use of drugs. Travel grant was awarded by the WHO, Sri Lanka. Duration – 10th of December 2006 – 22nd of December 2006.

Oration

Orations and presidential addresses I won and conducted the postgraduate institute of Medicine University of Colombo Annual 4th oration in 2010

Web site

pgim.srilanka.healthrepository.org/bitstream/123456789/.../2010.pdf

Resource person / International invitations / international achievements

1. **invited resource person** – I was invited to be a resource person for the curriculum development of Molecular Biology for MD in Microbiology in 2004
2. **invited participant as invited speaker to deliver lecture to the “world dosing of antiinfectives-Dosing the magic bullet symposia”** Germany 2004
3. **invited to participate the Consultative meeting to finalize the National Drug policy** For Sri Lanka by the Ministry of Health in Colombo, June 2005
4. **invited as resource person** – curriculum development in Pharmacy degree programme in Faculty of Medicine University of Peradeniya 2005
5. **Invited as a resource person** – to revise the finalized curriculum in Faculty of Allied Health Science University of Peradeniya in 2006
6. **Invited as a resource person** – to develop the modules in MD in Clinical Pharmacology in postgraduate Institute of Medicine (PGIM) University of Colombo 2009/2010
7. **Invited as a resource person** – to develop the Immunobiology module in MSc in Molecular Medicine, PGIM, University of Colombo.2007

8. **Invited as a resource person** – to finalize the curriculum in Molecular Medicine in PGIM , University of Colombo 2008
9. **Invited as resource person** – to formulate the Pharmacology module in the Bpharm degree , Allied Health Science degree programme (AHSDP) in the Faculty of Medicine, University of Ruhuna May 2009
10. **Invited to participate** to the XXI world allergy congress in Argentina June 2009
11. **Invited as resource person** –to review and formulate the Biostatistics and IT module in the Bpharm degree , Allied Health Science degree programme (AHSDP) in the Faculty of Medicine, University of Ruhuna April 2009
12. **Invited as recourse person** – to formulate the Immunology and cell biology module in the Bpharm degree , AHSDP , Faculty of Medicine University of Ruhuna December 2009
13. **Invited as a resource person** – to formulate the Molecular genetics and Pharmaceutical Biotechnology Module in the Bpharm degree, AHSDP, Faculty of Medicine, University of Ruhuna Nov 2009
14. **Invited as a resource person** – to the grand workshop to finalize the curriculum, Bylaws and credit allocation and evaluation system in Bpharm degree, AHSDP, Faculty of Medicine, University of Ruhuna February 2010
15. **Resource person**- introductory clinical programme for medical students May 2010, I was invited to conduct the soft skill programme to Allied health science students in the faculty of Medicine for the first time for training of academic staff in that unit. I have conducted the workshop voluntarily while doing teaching of research skills, applicable skills to these students.
16. **Resource person** to the workshop on review of learning objectives and evaluation of pharmacotherapeutics for degree programme of Pharmacy November 2009

Posts held in the University

1. Head/ Department of Pharmacology
2. The Head of the Molecular Science and Biomedical Unit in the Faculty of Medicine.
3. Course Coordinator - BSc in Pharmacy / FOM / UOR
4. Module Coordinator – MSc in Biotechnology Faculty of Sciences University of Ruhuna (still continued)
5. Secretary, Interim committee to design the Diploma course in Molecular Medicine in Postgraduate Institute of Medicine University of Colombo.
6. Module coordinator of the Diploma course in Molecular Medicine.
7. Member of the ethical review committee.
8. Member of the curriculum Development and evaluation committee.
9. Shadow person of the Foundation Module in the ERQUE- QEF project.
10. Warden, female hostels Faculty of Medicine.
11. Senior student counselor (Rajarata University)

Teaching Experience and curriculum development

I have been conducting lectures, tutorials and conduction of main examinations in

Pharmacology, Pharmacology in nursing and Biotechnology and Molecular Medicine. I have introduced three modules to the newly developing courses in this field. Molecular Pharmacology in MSc Biotechnology (1.6.A1), Immunobiology in Molecular Medicine (1.6.A2), PGIM. I have submitted a proposal to the Dean /Faculty of Medicine for establishment of BSc in Pharmacy (special degree and 3+1 degree) in university of Ruhuna well before the University thought of doing it in 2006. Document which was submitted in 2004 is attached herewith with Dean's endorsement

Other specialties

1. Computer Science – coral draw, excel, ppt, photoshop and micro cal.

2. Immunobiology and molecular and cell biology

Experienced in following techniques

PCRs and primer designing, RT-PCR, Vector biology (including transfection), and restriction enzyme usage, Gel electrophoresis and recombinant protein expression, E coli transformation techniques, Western blotting and immunoprecipitation techniques,

Baculovirus expression and retrovirus cell transfections, Mammalian cell genetic engineering. Vector shuttling and detection of green fluorescence in transfected cells.

FACS analysis, ELISA and ELISPOT, Radio isotope assay and Cr ⁵¹ cytotoxic assay, Sequencing of gene after polymerization of the interested gene, Recombinant Protein purification using columns and exchange chromatography, FITC labeling of antibodies and immunoblotting techniques, Genetic modifications using deletions in the genes interested.

3. Blood cell culture methods, cell cytology,

Methodology for isolation of PBMC (monocytes) and neutrophil from blood, Culturing of monocytes, Human Interleukin assay and ELISA techniques, Studies regarding quantitative analysis of phagocytosis of cultured neutrophil, Conversion of monocytes to macrophages by cell culture methods. In the Department of Internal Medicine in Institute of tropical Medicine in Nagasaki University, Nagasaki Japan.

Clinical Skills Clinical skills of a medical officer

Special Trainings

1. Special training on use of Radioisotopes in research works in Molecular Medicine was followed in Radio Isotope centre in the Nagasaki University in Japan.

2. Two years training on Malaria vaccine construction using mouse dendritic cells in the Nagasaki Graduate School of Medicine Japan.

3. Training in Medical Education Technology in the Faculty of Medicine in the University of Peradeniya, Sri Lanka.

4. Training in application and maintenance of instruments in Clinical Biochemistry Laboratory in Postgraduate Institute of Science, University of Peradeniya.

5. Computer training.

6. Training in the cell biology laboratory in the Department of Internal Medicine in the Tropical Medicine Institute in Nagasaki University.

7. Training course in Micro arrays use in world – GENETECH Colombo Sri Lanka.

9. Short term trainings on medical ethics, medical writing, undergraduate pharmacy and medical education, behavioral sciences

Participated in conferences and training courses

1. Participated to ISPOR 4th Asia pacific Conference on 5-7 September 2010 Thailand
2. South East Asian region Pharmacovigilance training course Colombo Sri Lanka sep – oct 2009
3. 4th Asian congress on autoimmunity Singapore September 2009
4. Third Asia pacific consultation congress on undergraduate medical and pharmacy education in Negambo Sri Lanka 24-26 august 2009
5. International training course on medication management in hospitals : role of drug and therapeutic committees New Delhi India December 8-11 2008
6. Intensive course in bioethics (advanced)by forum of research and development Colombo Sri Lanka January 2007
7. Indo US workshop on mitochondrial research and medicine by centre for cellular and molecular biology, Hyderabad India 22-24 January 2007
8. Promoting rational drug use in the community by Institute of Health management research Jaipur India, 10 21 December 2006
9. South Asian congress of postgraduate medical education by WHO and PGIM on august 2005 Colombo Sri Lanka

Memberships in Learned Societies

Galle Medical Association, Government Medical Officers Association

Sri Lanka Association for Advancement of Science

Member of an International Immunology Association

Immunology Society of Sri Lanka

Member of a NETRUM – group for rational use of medicine WHO

Publications and books

1. Liu Z¹, Hettihewa M², Shu Y¹, Zhou C¹, Wan Q¹, Liu L³. The mechanism of the adsorption of dsDNA on citrate-stabilized gold nanoparticles and a colorimetric and visual method for detecting the V600E point mutation of the BRAF gene. 2018 [Mikrochim Acta](#). 2018 Mar 27;185(4):240. doi: 10.1007/s00604-018-2775-9.
2. Hettihewa menik , Vajira Bulugahapitiya, Amila Miunasinghe, Nubuhiro Kihara. Cytotoxic Assay and Human Telomerase Reverse Transcriptase Assay of Flueggea leucopyrus Willd. on Human Ovarian Carcinoma Cells Conference Paper 13th th Academic Session, University of Ruhuna, Sri Lanka march 2016 Volume: 13
3. Hettihewa menik , Vajira Bulugahapitiya, Amila Miunasinghe, Nubuhiro Kihara. Evaluation of Anti-Oxidant Power of Flueggea leucopyrus. Willd, a Medicinal Herb Used as Complementary Medicine for Cancer and Characterization of New Anti-Cancer Compounds conference paper February 2016, 18th International Conference on Natural Products and Drug Discovery. Qualar Lumpur, Malaysia
4. L.M. Hettihewa, M.M.A.B. Munasinghe, Vajira P. Bulugahapitiya, Nobuhiro Kihara. Dose dependent anti proliferative and cytotoxic effects of flueggea leucopyrus willd against human ovarian carcinoma; mts and human telomerase enzyme inhibition European Journal of Biomedical AND Pharmaceutical sciences 2015; 2:7 14-18
5. Subasinghe HWAS, Hettihewa LM, GunawardenaS, Liyanage T. Evaluation Of Aqueous Extract Of Costus Speciosus (J.König)Sm. Leaf For Hepatic And Renal Toxicities: Biochemical And Histopathological Perspectives ejpmr, 2015,2(4), 01-12
6. Hettihewa LM, Sirisena B. Causality assessment and the severity of the adverse drug reactions (ADR) actively detected in hospital in patients in tertiary care hospital Sri Lanka: prospective observational survey. Asian Journal of Research in Biological and Pharmaceutical Sciences. 2(1), 2014, 1 - 10.

7. Vajira P. Bulugahapitiya, Amila Bandara Munasinghe and Menik Hettihewa. Investigation of chemical composition of flueggea leucopyrus (willd.) World journal of pharmacy and pharmaceutical sciences, 2014; 3:8;79-94. ISSN 2278 – 4357
8. Sandhya VG. Nair, **Menik Hettihewa** and H. P. Vasantha Rupasinghe. Apoptotic and Inhibitory Effects on Cell Proliferation of Hepatocellular Carcinoma HepG2 Cells by Methanol Leaf Extract of Costus speciosus. Biomed Research International, Volume 2014, Article ID 637098, 10 pages.
<http://dx.doi.org/10.1155/2014/637098>
9. Subasinghe HWAS, **Hettihewa LM** Gunawardana S, Liyanage T. Methanol and water extracts of costus speciosus (J KONIG) leaves reverses the high fat diet induced peripheral insulin resistance in experimental wistar rats. Int. res. J. Pharm 2014;5(2)
10. Knowledge of Sri Lankan government medical practitioners and medical students on standard treatment guidelines; regional cross sectional survey 2013 IJNPD 3;2 108-113.
<http://www.ijnpnd.com/article.asp?issn=2231-0738;year=2013;volume=3;issue=2;spage=108;epage=113;auiast=Hettihewa;type=0>
11. **Hettihewa LM**. Tharanga Dadallage and Inoka Wimalasena. Core knowledge in key policies in drug formulary and interventions for prescribing practice among medical officers and students; Sri Lanka perspective. Int. res. J. Pharm 2013;4(12)
12. **Hettihewa LM** Prospective analysis of actively screened adverse drug reaction profile presented into the inward set up in government tertiary hospital in Sri Lanka. Clin Exp Pharmacol 2012, 2:3. <http://dx.doi.org/10.4172/2161-1459.S1.003>
13. Hettihewa LM, Wimalasena I Dadallage T. Cost - utility analysis of parenteral antibiotics prescribed in medical wards in a tertiary care health facility in southern province of Sri Lanka OJHAS 11 ;3 july sept 2012

- 14. Hettihewa LM** percepts and practices in drug use indicators at government health care facilities; hospital based prospective analysis. IJP 2011 43; 1 91-2. It is indexed in science citation index.
<http://medind.nic.in/ibi/t11/i1/ibit1i1p89.pdf>
- 15. Hettihewa LM** prolong expression of MHC class I peptide expression in bone marrow derived retrovirus transfected matured dendritic cells by continuous centrifugation in the presence of IL 4. IJMR . Indian J Med Res v.134(5); Nov 2011
International journal of medical research is an official publication of **Indian Journal of medical research** and indexed in Science citation index as well.
<http://icmr.nic.in/ijmr/2011/november/1113.pdf>
- 16. Hettihewa LM**, Effects of HCT on K dependent pancreatic response and the correlation with blood sugar insulin in patients with essential hypertension IJNPND 2011 1;1 73-77.
<http://www.ijnpnd.com/article.asp?issn=2231-0738;year=2011;volume=1;issue=1;spage=73;epage=77;aulast=Hettihewa>
- 17. Hettihewa LM** and Weerarathna TP. Comparison of McAuley/fasting insulin indices with ATP III clinical criteria for the diagnosis of insulin resistance in type 2 diabetes mellitus. 2011J Pharmacol Pharmacother. 2011 Jul-Sep; 2(3): 165–69.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3157124/>
- 18. Hettihewa LM**. Amrasinghe ATIM, Jayarathna KAKT. Prospective encounter study the degree of adherence to patient care indicators in Health Care facilities; Sri Lankan perspective. J pharm Bioall Sci v.3(2); Apr-Jun 2011
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3103928/>
- 19. Hettihewa LM**, Jayarathna KAKT Comparison of the Knowledge in Core Policies of Essential Drug List Among Medical Practitioners and Medical Students in Galle, Sri Lanka OJHAS Vol. 9, Issue 3: (Jul - Sep, 2010). This journal is **indexed** and peer review journal published more than **two issues per year**.
<http://www.ojhas.org/issue35/2010-3-7.html>

- 20. Hettihewa L Menik**, Amrasinghe I.Isuru, Subasinghe Sewwandi Survey ; Precepts and Practices in Drug Use Indicators at Government Health Care facilities; A Hospital Based Prospective Analysis. *J pharm Bioall Sci pharm Bioall Sci* 2010 v.3(1);
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3053516/>
- 21. Hettihewa Lukshmy Menik** A randomized double blind clinical trial of commercial garlic on improvement of lung functions in asthmatic patients 2009. Proceedings of 6th Annual sessions University of Ruhuna page 16-9
- 22. Lukshmy M. Hettihewa**, Sudheera S. Jayasinghe, Thilak P. Weerathna, Imendra Kotapola. (2008) Correlation between changes of blood pressure with insulin resistance in type 2 diabetes mellitus with 4 weeks of pioglitazone therapy. *Int. J. Diab .develp. Ctries*, vol 28; 1 26-30 pp This journal is included in **science citation index expanded**.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2772002/>
- 23. Lukshmy M. Hettihewa**, Lalith P Dharmasiri, Chamil D Ariyaratna, Sudheera S. Jayasinghe, Thilak P. Weerathna, Imendra Kotapola. (2007) significant correlation between BMI/BW with insulin resistance by McA, HOMA and QUICKI indices after 3 months of pioglitazone therapy. *Galle Med.jour* 12;1 18-24.
<http://ehealth.lk/gma/publication/2007/Articles.pdf>
- 24. M. Hettihewa**, Shalika Palangasinghe, Sudheera S. Jayasinghe Sudari W. Gunasekara, Thilak P. Weerathna, Imendra Kotapola. (2007) Lipid abnormalities in type 2 diabebtes mellitus patients in Sri Lanka *G.M.Journ.* 12; 1 pp 1-4
<http://www.sljol.info/index.php/GMJ/article/view/1076/984>
- 25. Jayasinghe SS, Hettihewa LM**, Gunasekara SW, Palangasinghe S, Weerathna TP, Remission of Diabetes Mellitus for 5 months after the treatment with Pioglitazone for type 2 Diabetes Mellitus; case report (2006) *G.M.Journ* vol 11;01 pp 54-6.
- 26. Lukshmy M. Hettihewa**, Shalika Palangasinghe, Sudheera S. Jayasinghe Sudari W. Gunasekara, Thilak P. Weerathna Comparison of insulin resistance by indirect methods - HOMA, QUICKI and McAuley - with fasting insulin in patients with type2 diabetes in Galle, Sri Lanka: A pilot study Authors *Online J Health Allied Scs.*2006; 1:2 URL <http://www.ojhas.org/issue17/2006-1-2.html>. This journal is **indexed** and peer review journal published more than **two issues per year**
- 27. Hettihewa Luskhmy Menik**, Jayasinghe Sudeera Sammanthi, Weerathna Thilak Priyantha, Gunasekara Sudari Wijewickrama, Palangasinghe Shalika, Imendra Kotapola. Genetic association between insulin resistance and total cholesterol in

type 2 Diabetes Mellitus -A preliminary observation URL:

<http://www.ojhas/issure13/2005-1-4.html>

28. **Hettihewa L.M.** Immunization of retrovirus transfected dendritic cells induces specific cytotoxic T lymphocytes for two distinct malarial peptides by K^d molecule. *Journal of Immunopharmacology*. 2003 Vol 3/10-11 pp 1401-1411. <http://www.sciencedirect.com/science/article/pii/S1567576903001371> (Included in science citation index). It won the **presidential award** in 2003
29. Lukshmy Menik Hettihewa. Use of genetic markers for identification of cells. *GMJ* 2004 9:1 20-1.
30. **Hettihewa L.M.** (2003) Molecular Diagnostics in clinical Practice *G.M.Journ* Vol 4 (12-15)
31. **Lukshmy Hettihewa L.M**, Fernando A, Pathirana C1998: Therapeutic evidence from human experiments of garlic and its important application in different disease entities. *G.M.Journ*. Vol 3(1) (5-7)

Books

1. **From Recognized publisher** -I have published a book for medical students on learning objective in Pharmacology which is a first book in Sri Lanka discussing on learning objective of the course. I prepared it by my lectures and referring relevant textbooks and students now use this as a text book for identifying the guidelines. Our Department did not have a detailed document on specific learning objectives.
2. Books of scholarly work related to the relevant field - I have written a supplementary reading book on "P drug concept" for both undergraduate and postgraduate students and practicing doctors. Main theme is of this book is the development of personal drug list and it neither is nor commonly included in text books. As there is no recognized publisher list recommended by UGC, I would claim this as a recognized publisher for academics.

Presentations

32. Oral presentation on 38 joint conferences on parasitic diseases by Japan- United States Cooperation Medical Science programme held in New Nagasaki Hotel, Japan in August 2002, . **Hettihewa L.M.** Induction of antigen specific CD 8⁺T cells by immunization with genetically engineered dendritic cells expressing Malaria-surface sporozoite protein 2 (SSP₂).
33. Oral presentation ;Effects of Thiazide Diuretic On correlations among Blood Sugar, Insulin and Serum K⁺ levels in patients with Essential Hypertension **Lukshmy M Hettihewa**, Roshan Paranawithana, Nayana Weerasinghe, Nelka Warusavithana in annual academic sessions / University of Ruhuna November 2006
34. Poster presentation Correlation between McAuley and lipoprotein ratios in the measurement of IR in non- obese type 2 Diabetes (T2DM) **Lukshmy M Hettihewa** Thilak P Weerathna, Sudheera S Jayasinghe, Kotapola G Imendra in annual

- academic sessions / University of Ruhuna. November 2006
35. Oral presentation -Correlation between BMI and insulin resistance in type 2 diabetes patients on pioglitazone treatment. **Hettihewa L.M.** 2007, GMJ
 36. Poster presentation Asian congress in autoimmunity 2009 presented the abstract as a poster on" High Maturation efficacy and MHC class I-peptide expression of bone marrow derived matured dendritic cells by antigen transfected retrovirus by IL-4" 4th **Hettihewa L.M.** Asian congress on Autoimmunity Singapore September 11-13 2009
 37. Poster presentation –An analysis of drug use indicators in Government Health Care facilities in Galle Sri Lanka. **Hettihewa L.M.** Amrasinghe A.T.I.M, Subasinghe H.W.A.S National Medicine 26-28 May 2010 Australia
 38. Poster presentation – Prospective encounter study on patient care indicators in health care facilities. **Hettihewa L.M.** Amarasinghe A.T.I.M, Subasinghe H.W.A.S ISPOR 4th Asia pacific Conference on 5-7 September 2010 Thailand
 39. Poster presentation -Descriptive study o lipid profiles inpatients with type2 diabetes Mellitus **Hettihewa LM,** Gunasekara S.W 2004 12-14 November Student Scientific sessions, Faculty of Medicine University of Colombo
 40. Oral presentation - Genetic association of diabetes with insulin resistance inpatients with type 2 diabetes **Hettihewa L.M.** Jayasinghe S.S. 2004 12-14 November Student Scientific Sessions Faculty of Medicine University of Colombo
 41. Oral presentation - Comparison of insulin resistance by Mc Auley index and fasting insulin level in type II diabetes **Hettihewa LM** Palangasinghe 2004 12-14 November Student Scientific Sessions Faculty of Medicine University of Colombo
 42. Weerathna TP, **Hettihewa LM** Jayasinghe SS and Imendra KG. Prevalence of Insulin resistance in individuals with type 2 Diabetes by different assessment methods. 118th SLMA annual sessions, March 2005
 43. Poster presentation – Prolong expression of MHC class I molecules withhigh maturation efficacy of bone marrow derived retrovirus transfected dendritic cells by prolong centrifugation **Hettihewa LM** 14th international congress of autoimmunity Kobe Japan 22-27 August 2010
 44. Poster presentation – prospective cross sectional surveillance on dispensing efficacy, drug availability and quality of labeling using patient care indicators in health care facilities in Galle district. **Hettihewa LM,** Jayarathna K 17th -23rd July 2010, Copenhagen, Denmark 2010
 45. Poster presentation – Comparison of the knowledge in core policies of essential drug list among medical practitioners and medical students. **Hettihewa L. M.** Jayarathna K. 17th -23rd July 2010, Copenhagen, Denmark 2010
 46. Subasinghe HWAS, Gunawardana S and Llyanage T. Induction of insulin resistance/ impaired glucose tolerance in experimental wista rats fed on modified high fat diet regime. Oral presentation GMA session oct 2012
 47. Poster presentation Subasinghe HWAS, Gunawardana S and Llyanage T. Cumulative quantal dose responses of costus speciosus leaves on the lipid subprofile in high fat diet induced insulin resistant wistar rats. 6th asian association

- of school of pharmacy conference, National University of Singapore. 14th – 17th November 2013
48. Costus speciosus leave water extract reduces the atherogenic risk I high fat diet induced insulin resistant rats. 6th Asian association of school of pharmacy conference, National University of Singapore. 14th – 17th November 2013
 49. Poster presentation. sandhya Nair¹, Menik Hettihewa² and H.P. Vasantha Rupasinghe. Leaf extract of Costus speciosus induces apoptosis in human hepato cellular carcinoma cells. Canadian cancer research conference Nov 3-6 in Toronto
 50. Subasinghe HWAS, Gunawardana S and Liyanage T. Quantal dose response relationship of leave extracts of costus speciosus on achieving peripheral insulin sensitivity in high fat diet fed experimental rat mode. 4th academic sessions. Post Graduate Institute of Medicine, Colombo, Sri Lanka. 17th – 19th July 2013
 51. Lukshmy M Hettihewa, D. Liyanage, B. Sirisena, T.M. Minipura Casualty assessment and the severity of the adverse drug reactions (adr) actively detected in in ward patients in tertiary care hospital sri lanka oral presentation at International conference of RISTON 2015 University of Ruhuna January 2015
 52. M.T. Madushika, D.D.S. Liyanage, L.M. Hettihewa. Validity of glycaemic tests over insulin resistance indices in detecting peripheral insulin resistance in polycystic ovary syndrome – Sri Lankan Study International conference of RISTON 2015 University of Ruhuna January 2015
 53. Evaluation of Anti-Oxidant Power of Flueggea leucopyrus Willd, a Medicinal Herb Used as Complementary Medicine for Cancer and Characterization of New Anti-Cancer Compounds". ICNPDD 2016: International Conference on Natural Products and Drug Discovery in Kuala Lumpur, Malaysia Feb 11-12, 2016

Special services

Reviewer

1. I am an invited reviewer to the journal "International journal of Biomedical Science , ISSN 1550-9702
2. I have served as a member of reviewers for the Ceylon Medical Journal published in Sri Lanka. I do review article related to my specialty
3. In addition to that I was invited to serve as a reviewer to the journal "Diabetes technology and therapeutics", ISSN 1520-91056 since 2007

National services

I was invited to do national services to the newly established Faculty of Medical and Allied Sciences in Anuradhapura. My duties were to develop curriculum in paraclinical program by the Minister of Higher Education.

Establishment of New units

1. I have initiated a new unit called, Molecular Science and Biomedical Unit in the

Faculty of Medicine. Services and the research will be conducted related to the following areas in Molecular Science and Biomedicine.

Draft proposal consist of Diagnostics - PCR based diagnostic functions, ELISA based diagnostic tools, screening of genetic disorders, prenatal and postnatal cytogenic tests, Karyotyping, DNA analysis and therapeutic drug monitoring.

Training facilities - Expertise and the facilities available in proposed unit can be made in training medical personnel, researches and paramedical staff.

Establishment of postgraduate and training courses- Master and doctoral students will be enrolled for the postgraduate degrees.

Internal Collaboration and links- The unit can be a centre for the research, higher degree exchange programmes as well for diploma and certificates courses.

2. I am coordinating the following course modules in postgraduate institutes and faculties. Designing of curriculum for Molecular Immunobiology, Immunopharmacology, Molecular Pharmacology