

Curriculum Vitae

Dr. Malka P.S. Mudalige PhD., BSc. (Hons)



Name : Dr. (Mrs) Malka Priyanthi Sinhara Mudalige
Date and place of birth : 03 August 1963, Attanagalla in Sri Lanka
Nationality/Citizenship : Sri Lankan
Sex : Female
Civil Status : Married
Official Address : Senior Lecturer / Head
Department of Medical Laboratory Science
Faculty of Allied Health Sciences
University of Peradeniya
Augusta Hill, Peradeniya
Sri Lanka

Telephone: +94 813 999 615
Mobile: +94 726 702 628
Fax: +94 812 387 394
Email: malkapsm@yahoo.co.uk

EDUCATION

Doctor of Philosophy (2002), University of Ruhuna, Matara, Sri Lanka (with the collaborative training at the Institute of Tropical Medicine, Nagasaki, Japan and. the WHO collaborative Institute, Vector Control Research Centre, Pondicherry, India).

PhD thesis:

Uptake and development of *Wuchereria bancrofti* (Cobbold) in *Culex quinquefasciatus* (Say) when fed on carriers with different levels of microfilaraemia and the significance of low density microfilaraemia in the transmission of bancroftian filariasis in Matara, Sri Lanka (2002).

Bachelor of Science (Special), Second Class - Upper Division (1991), University of Sri Jayewardenepura, Gangodawila, Nugegoda, Sri Lanka.
Major: Zoology, Minor: Chemistry.

BSc. dissertation:

A preliminary study of the fish fauna and some related factors of certain anopheline breeding habitats at Gomadiyagala, Sri Lanka (1990).

PROFESSIONAL POSITIONS

March 2008 – At Present

Department of Medical Laboratory Science, Faculty of Allied Health Sciences, University of Peradeniya, Peradeniya, Sri Lanka as a **Senior Lecturer in Medical Laboratory Science**, Since February 2010 I serve as the **Administrative Head** of the above department.

Teaching:

- Organization of the teaching and training programme of the undergraduates of BSc Medical Laboratory Science.
- Conducting lectures, practical sessions and tutorials on Parasitology & Entomology, Histotechnology, Clinical Biochemistry and Diagnostic Parasitology.
- Being the course coordinator of Human Physiology I & II, Tissue of the body, Applied Biochemistry, Cytotechnology, Histotechnology, Parasitology & Entomology, Virology & Mycology, Diagnostic Parasitology and Clinical Biochemistry I, II & III.
- Conducted lectures on Medical entomology for Diploma Trainees of Public Health Inspectors (PHI) at Kadugannawa Training Centre, Department of Health, Central Province, Sri Lanka.

Research:

- Chief investigator of the proposed project on “Field trial to control the vectors of dengue using acquatin (a silicon product) on the breeding places of *Aedes* mosquitoes in Kandy”.
- Supervisor for the undergraduate research studies on “Preliminary study on determination of the prevalence of Intestinal parasitic infections among the children in Rajawaththa Grama Sevaka division (GSD)”, “A preliminary study on the prevalence of ecto-parasites among the members of children homes in Kandy district”, “A preliminary survey to find out whether the transmission of bancroftian filariasis occur among the residential students of Peradeniya University” and “The study on the knowledge, attitude and practices of dengue disease and the preventive and control methods of vector mosquitoes”.

Assignments / Appointment:

- **Examiner for the M.Phil study** on “Molecular and entomological studies on the transmission and detection of Lymphatic Filariasis in Sri Lanka” submitted by Ms. NDAD Wijegunawardana, Molecular Biology Unit, Faculty of Medicine, University of Kelaniya for the Degree of Master of Philosophy in Molecular Biology in 2011.
- **Post of visiting lecturer/ resource person** of the Intensive Training programme for Entomological surveillance teams of TEDHA conducted at the Molecular Medicine Unit, Faculty of Medicine, University of Kelaniya from the 20th of October 2009 till the 6th of October 2009. Tropical and Environmental Diseases and Health associates (Pvt) Ltd. (TEDHA) has appointed as the

Principal Recipient II for the National Elimination Programme in Sri Lanka funded by the Global Fund project to fight AIDS, Tuberculosis and Malaria (GFATM).

- **Short term consultant** to Tropical and Environmental Diseases and Health associates (Pvt) Ltd. (TEDHA) for the external evaluation of TEDHA's component of the overall National Malaria Elimination Programme initiated in September 2009.

August 2002 – March 2008

Department of Parasitology, Faculty of Medicine, University of Ruhuna, Galle, Sri Lanka, as a **Senior Lecturer in Parasitology**. Since 1st May 2006 I served as the **administrative head** of the above department.

Teaching:

- Organized the teaching programme of the department for the Third Year MBBS students.
- Took over some lectures, tutorials and practical sessions for the Third Year MBBS students.
- Conducted lectures and practical classes for Diploma Trainees of Public Health Inspectors (PHI), Department of Health, Southern Province, Sri Lanka.
- Conducted lectures, practicals and field classes on filariasis training for PG Diploma students of Microbiology of Post Graduate Institute of Medicine, Sri Lanka.

Research:

- Collaborated with the Research Programmes at the Filariasis Research Unit, Department of Parasitology, Faculty of Medicine, Galle.

Following were the activities of the Department of Parasitology where I am

The Chief Investigator:

- ◆ “A study on the distribution of the mosquito fauna and estimating the medically important mosquitoes in tsunami affected & unaffected areas in Galle, Sri Lanka” commenced in January 2005.

Co-investigator:

- ◆ “Determination of the duration of the Mass Drug Administration Programme necessary to achieve interruption of transmission” commenced in 2004 for 4 years, funded by Lymphatic Filariasis Support Centre, Liverpool School of Tropical Medicine, United Kingdom.
- ◆ “An operational research study to improve the activities of PELF in the Galle Municipality” commenced in 2004 for 4 years, funded by Lymphatic Filariasis Support Centre, Liverpool School of Tropical Medicine, United Kingdom.

- ◆ “Independent Evaluation of the July 2003-2007 National Programme for the Elimination of Lymphatic Filariasis” commenced in 2004 for 4 years, funded by Lymphatic Filariasis Support Centre, Liverpool School of Tropical Medicine, United Kingdom.

- ◆ “Single dose mass treatment with two drug combination of diethylcarbamazine (DEC) / albendazole and DEC alone on bancroftian filariasis in four villages in Walgama, Matara”.

An annual mass treatment campaign with the two-drug combination DEC and albendazole in the National Programme for the Elimination of Lymphatic Filariasis is ongoing since July 2001. In parallel with this treatment programme of two-drug combination and DEC alone is ongoing annually and biannually in four villages in Walgama, Matara since July 2001 to measure the reduction of the mf density and geohealminthic infection. Before the treatment in July 2001, a random microfilaria survey and a random stool survey were carried out in four villages. Two villages were treated with DEC alone in 2001 and 2002 to compare the two treatments at village level. Since 2003, each couple of villages has been treated with annual and biannual drug combination only.

- ◆ “Knowledge in Lymphatic Filariasis and evaluation of response to mass treatment campaign in two communities in Galle District”.

A pre-tested questionnaire was applied to a randomly selected population sample from two villages in the Galle district, Unawatuna and Baddegama. The objective was to evaluate the awareness of the features of the disease, evaluate the extent of coverage of the social mobilization, evaluation of drug distribution coverage, drug consumption and adverse effects.

- ◆ “Antigenaemia of bancroftian filariasis in the inland highland areas of Matara district reporting positive data by key informants”.

Rapid Assessment Procedure to identify filariasis endemic areas in Matara District using key informants yielded positive information in several inland highland divisions. Immunological surveys on going in selected divisions have yielded high endemicity in some tea growing mid-country in Matara District. The follow-up immunological evaluation of the Mass Drug Administration programme of filariasis is carried out in such areas.

- ◆ “Entomological evaluation of Mass Drug Administration (MDA) programme in Walgama, Matara”.

Monthly indoor resting *Culex quinquefasciatus* mosquitoes are collected from 10 -15 houses from each of four "Grama Niladari" divisions in Walgama, Matara and dissect them for filarial infection to evaluate the success of MDA programme conducted by the filariasis research unit, Faculty of Medicine, Galle.

Service function:

- Assisted in the processing of samples from patients in the Teaching Hospital, Karapitiya for parasitic infections
- Estimated the time since death of the dead bodies found in Southern Province of Sri Lanka using forensic entomology.

April 1994 – July 2002

Department of Parasitology, Faculty of Medicine, University of Ruhuna, Galle, Sri Lanka, as a **Lecturer in Parasitology.**

Teaching:

- Collaborated with the Head of the Department in the teaching programme by taking over some lectures, tutorials and practical sessions for the Third Year MBBS students.

Research:

- Collaborated with and assisted in the Research Programme:
 - ◆ "Comparative efficacy of house curtains impregnated with permethrin, lambda-cyhalothrin or bendiocarb against the vector of bancroftian filariasis. *Cx. quinquefasciatus* Say, in Matara, Sri Lanka" funded by University of Ruhuna, Matara, Sri Lanka. Research Grant, 1994.
 - ◆ "Impact of insecticide impregnated curtains on *Culex quinquefasciatus* and transmission of bancroftian filariasis in Matara, Sri Lanka" funded by the World Health Organization / Tropical Diseases Research (TDR) Division, Geneva, Switzerland. Collaborative Research Grant No. 931131, for a period of four years conducted from July 1994 to December 1999.
 - ◆ "Comparative long term efficacy of single dose diethylcarbamazine (DEC) and combinations of albendazole with DEC and ivermectin" funded by World Health Organization, Control of Tropical Diseases Division (WHO/CTD), Geneva, for a period of three years commenced from January 1998.
 - ◆ "Establishing a cost effective method to identify filariasis endemic areas in order to facilitate a mass treatment campaign and to ascertain the elimination of filariasis in Sri Lanka" funded by the Ministry of Education, Science, Sports & Culture of Japan commenced in 1999.
 - ◆ "Mass chemotherapy on bancroftian filariasis in four villages in Walgama, Matara with single dose diethylcarbamazine (DEC) alone, and in combination with albendazole" commenced in July 2001.

I have been granted two research grants to complete my Post Graduate Studies (as Chief Investigator) on "Uptake, development and parasite yield of *Wuchereria bancrofti* in *Culex quinquefasciatus* Say when fed on carriers with

different densities of microfilariae and the significance of low density microfilaraemia in the transmission of bancroftian filariasis in Matara, Sri Lanka" by

- University of Ruhuna, Matara, Sri Lanka. Research Grant for a period of one year commencing 1996. Value: Sri Lankan Rs. 25,000/-
- World Health Organization, Tropical Diseases Research Division, Geneva, Switzerland. Research Training Grant No. 960434 for a period of three years commencing from May 1996. Value: US Dollar 10,000/-.

Service function:

- Assisted in the processing of samples from patients in the Teaching Hospital, Karapitiya for parasitic infections.

January 1993 – April 1994

Joined the Sri Lanka Scientific Service (first place in the recruitment examination in 1992) **as the Entomologist at the Anti-Malaria Campaign**, Department of Health, P.O. Box 1478, Colombo 5, Sri Lanka.

January 1992 – December 1992

Temporary Demonstrator in Zoology, Faculty of Applied Science, University of Sri Jayewardenepura, Gangodawila, Nugegoda, Sri Lanka.

AWARDS RECEIVED

- I. Presidential Research Bonus (2003)** - Award to authors pursuing research in Sri Lankan institutions for their publications, which have effectively appeared in internationally refereed periodicals, figuring in the Science Citation Index of 2003.
- II. Award for the Outstanding Post Graduate Research in Medicine (2000)** - for the research studies carried out during the period 1975 to 1999, awarded by the Hiran Thilakaratne Research Fund, University Grant Commission, Sri Lanka.
- III. Presidential Research Bonus (1999)** - Cash award to authors pursuing research in Sri Lankan institutions for their publications, which have effectively appeared in internationally refereed periodicals, figuring in the Science Citation Index of 1999. (*Tropical Medicine and International Health*, 4: 207 - 210, 1999).
- IV. Best Poster Award for the presentation (2006)** – for "An independent evaluation of the August 2004 mass drug administration for elimination of lymphatic filariasis in Colombo Municipality area" at the 119th Annual Sessions of the Sri Lanka Medical Association, Mar 2006.

- V. **Award for the Best Paper at the 59th Annual Sessions of Galle Medical Association (2000)** - for "Efficacy of Imdacyhalothrin (ICON) impregnated house curtains against the vector of bancroftian filariasis, *Culex quinquefasciatus* say in Matara, Sri Lanka"
- VI. **Sir Frank Gunasekera Award (1996)** - for the presentation at the 109th Annual Sessions of the Sri Lanka Medical Association, Colombo.
- VII. **E.M. Wijerama Award 1 (1995)** - for the presentation at the 108th Annual Sessions of the Sri Lanka Medical Association, Colombo.
- VIII. **Award for the Best Paper at the 58th Annual Sessions of Galle Medical Association (1999)** - for "Comparative long term microfilarial efficacy of single dose Diethylcarbamazine (DCE), albendazole and combinations of albendazole with DEC or Ivermectine, in Matara, Sri Lanka".
- IX. **Award for the Best Paper at the 60th Annual Sessions of Galle Medical Education (2001)** - for "The use of saliva to detect filaria-specific IgG₄ antibody in bancroftian filariasis".
- X. **Selected for Final Round of Post Graduate Publication Award (2001)** - "Quantitative aspects of the transmission dynamics of bancroftian filariasis under different densities of microfilaraemia of *Wuchereria bancrofti* in Matara, Sri Lanka" was selected by Sri Lanka Association for the Advancement of Science for an oral presentation at the final round of selection for the above award.

FELLOWSHIPS, TRAINING PROGRAMMES AND COURSES PARTICIPATED

- ◆ Two weeks training on **mosquito taxonomy** under Professor P.F. Amarasinghe, Department of Zoology, Faculty of Science, University of Peradeniya started from 5th March 1996.
- ◆ Special Research Training on **vector borne diseases** at the WHO collaborative Institute, Vector Control Research Centre, Pondicherry, India, funded by the WHO/TDR. Research Training Grant (ID-960434) for a period of three months started from 29th Nov. 1997.
- ◆ Short Course on **Design and Analysis of Experiments** from July 13 to 17 1998 organized by the Board of Study in Biometry, Post Graduate Institute of Agriculture, University of Peradeniya.
- ◆ Special training on **Data Analysis and Mathematical Modeling of Filariasis** at the WHO collaborative institute, Vector Control Research Centre, Pondicherry, India, funded by the WHO/TDR Research Training Grant (ID-960434) for a period of one month starting from 26th April 1999.

- ◆ Short training on **Statistics and Data Analysis** for PhD Studies from 18th to 30th August 1999 at the Institute of Tropical Medicine, Nagasaki, Japan funded by the Ministry of Education, Science, Sports & Culture of Japan.
- ◆ Study Training on **Immunology of Filariasis** from 2nd to 16th October 1999 at the Aichi Medical University, Aichi, Japan funded by the Ministry of Education, Science, Sports & Culture of Japan.
- ◆ Followed the Certificate Course in Teaching in Higher Education conducted by the Staff Development Unit, University of Colombo in year 2000.
- ◆ WHO Fellowship on **Medical Education** at the Medical Education Department, Institute of Medicine, Tribuan University, Katmandu, Nepal from 13th to 18th August 2001.
- ◆ WHO Fellowship on **Medical Education** at the K L Wig Centre for Medical Education & Technology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi, India from 20th to 30th August 2001.
- ◆ Course on “**Designing and Development of Computer Assisted Learning Material for Medical Students**” conducted by the University of Colombo School of Computing at the Faculty of Medicine, Galle from 12th to 14th March 2005.
- ◆ Course work of M.Sc. in Bio-Statistics (2003/2004) has been completed at the Post Graduate Institute of Agriculture, University of Peradeniya.
- ◆ 5th Regional Training Course on **Bioinformatics Applied to Tropical Diseases In Southeast Asia**, Sponsored by UNICEF/UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases (TDR) at the Center for Bioinformatics and Applied Genomics (CBAG), Faculty of Science, Mahidol University, Bangkok, Thailand from 18 - 29 Sept, 2006.
- ◆ Training programme for University student counselors at University of Peradeniya on 29th & 30th July 2009
- ◆ Resource person of the training programme for entomological surveillance, funded by Global Fund project to fight AIDS, Tuberculosis and Malaria (GFATM) in Sri Lanka organized by the Tropical and Environmental Diseases and Health Associates (TEDHA) Pvt Ltd, at the Molecular Medicine Unit, Faculty of Medicine, University of Kelaniya from 20th October -6th Novemebr 2009.
- ◆ Training for proposal writers for the **University Development Grant / Higher Education for Twenty first Century (HETC)** conducted by the University Grant Commission at Hotel Topaz, Kandy in 2010.
- ◆ WHO/TDR Training on “**Good Laboratory Practice**” conducted at the Indian Toxicology Research Centre, Lucknow, India from 10th -14th January 2011.

- ◆ Training for proposal writers for the **Quality Innovatin Grant / Higher Education for Twenty first Century (HETC)** conducted by the University Grant Commission at Hotel Hilltop, Kandy in 2011.

WORKSHOPS AND CONFERENCES ATTENDED

- ◆ Workshop on "**Research Methods for Young Scientists**" from 29th September to 03rd October 1997 conducted by Medical Education Unit, Faculty of Medicine, Peradeniya.
- ◆ Workshop on "**The Ruhuna Faculty of Medicine Development Plan 1996/2005**", organized by the Faculty of Medicine, University of Ruhuna, Galle, Sponsored by World Health Organization on 28th August 1996 at Bay Beach Hotel, Weligama.
- ◆ Workshop on "**Life Long Learning**" conducted by Professor Brooke Murphy, WHO Consultant on Medical Education, organized by the Medical Education and Staff Development Unit, Faculty of Medicine, Galle, on 13th February 2001.
- ◆ Workshop on "**Developing Learning Materials**" conducted by Professor Brooke Murphy, WHO Consultant on Medical Education, organized by the Medical Education and Staff Development Unit, Faculty of Medicine, Galle, on 15th February 2001.
- ◆ Workshop on "**Problem Based Learning**" conducted by Professor Brooke Murphy, WHO Consultant on Medical Education, organized by the Medical Education and Staff Development Unit, Faculty of Medicine, Galle, on 21st February 2001.
- ◆ Workshop on "**Making Better MCQs**" conducted by Professor Colvin Goonaratna, conducted by the Medical Education and Staff Development Unit, Faculty of Medicine, Galle, on 20th July 2001.
- ◆ Workshop on "**Molecular biology techniques in the diagnosis and control of Vector Borne Diseases**" conducted by the Centre for Tropical Medicine & International Health of the Faculty of Medicine, University of Kelaniya at the Molecular Biology Laboratory, Department of Parasitology from 1st to 13th of November 2001.
- ◆ Workshop on "**Advanced Epi Info**" conducted by the Medical Education and Staff Development Unit, Faculty of Medicine, Galle, on 27th March 2002.
- ◆ International conference on "**Curriculum Change in Medical Schools**" organized by the Faculty of Medicine, University of Colombo, Sri Lanka from 30th June to 03rd July 2002.

- ◆ Workshops on “**Research Methodology**” conducted by Medical Education & Staff Development Unit, Faculty of Medicine, University of Ruhuna, Galle, from April to November 2002.
 - Getting started on research.
 - How to write a research project.
 - How to assess a scientific research paper.
 - How to prepare a questionnaire.
 - How to analyse data.
- ◆ Workshop on “**How to prepare a teaching portfolio**” by Prof. S.U.K. Ekaratna, Director, Staff Development Centre, University of Colombo conducted by Medical Education & Staff Development Unit, Faculty of Medicine, University of Ruhuna, Galle, on 23rd January 2003.
- ◆ Workshop on “**HeLLIS Network, Activities**” conducted by the Health Literature Library & Information Services Network, Sri Lanka organized by the Medical Education and Staff Development Unit, at the Faculty of Medicine, University of Ruhuna, Galle on 25th November 2004.
- ◆ Workshop on “**Human Capital And Organizational Success**” conducted by Mrs Sunethra Perera, Dean Faculty of Management & Finance, University of Ruhuna and Mr. Hilary Silva, Dean, Faculty of Management, University of Sri Jayewardenepura which was organized by Medical Education and Staff Development Unit, Faculty of Medicine, University of Ruhuna, Galle on 17th May 2005.
- ◆ Workshop on “**Medical Negligence, Professional Misconduct and Conflict of Interest**” conducted by Dr. Beth Wilson, Health Services Commissioner, Government of Victoria, Australia, which was organized by the centre for Development of Ethics in Medicine, Faculty of Medicine, Galle on 25th July 2005.
- ◆ Symposium and Workshop to Commemorate the Work of Dr. Felix Prashantha Amerasinghe (1948-2005) – “**Accomplishments and Future Directions for Research in the Fields of Biodiversity and Mosquito-Borne Diseases of Sri Lanka 2006**” conducted by the International Water Management Institute (IWMI) at the Yellow River Auditorium of IMWI, 127, Sunil Mawatha, Palawatte, Battaramulla from 28th to 29th August 2006.
- ◆ Three 2-day workshops on “**Development of Study Guides and Study Skills Support**” conducted by Professor Deepthi Bandara and organized by IRQUE – QEF Project, Faculty of Medicine, University of Ruhuna in August, September and October 2006.
- ◆ Theme Seminar of the 62nd Annual Sessions of the Sri Lanka Association for the Advancement of Science (SLAAS): “**Science and Regional Development in Sri Lanka**” conducted by SLAAS at the Bandaranayake Memorial International Conference Hall, Colombo 7 on 11th December 2006.

- ◆ Workshop on “**Reporting Science: Writing and Presentation skills**” conducted by the National Science and Technology Commission/ Ministry of Science and Technology at the auditorium of the National Science Foundation, No 47/5, Maitland Place, Colombo 7 on 20th December 2006.
- ◆ Workshop on “**Quality Assurance**” conducted by Prof. Colin Peiris, Chairman of the Quality Assurance & accreditation Council at the Faculty of Allied Health Sciences in 2009.
- ◆ Workshop on “**Outcomes based curriculum revision in Higher Education**” organized by the Quality Assurance & accreditation Council at the Hotel Topaz, Kandy 1n 2009.
- ◆ Planning workshop on “**e-learning – University of Peradeniya**” organized by the University of Peradeniya at Hotel Tree of Life, Kandy, 3rd July 2009.
- ◆ Workshop on “**Problem based Learning**” conducted by the Faculty of Allied Health sciences in 2009.
- ◆ Three day workshop on “**Development of Distant Learning curriculum for Nursing and Allied Health Sciences**” organized by the Faculty of Allied Health Sciences and Center for Distant & continuing Education, Faculty of allied Health Sciences at the Hotel Topaz, Kandy.

CAREER PUBLICATIONS

A. COMPLETE PAPERS:

- A1.** Weerasooriya MV, Munasinghe CS, **Sinhara Mudalige MP**, Curtis CF & Samarawickrema WA (1996). Comparative efficacy of house curtains impregnated with permethrin, lambda-cyhalothrin or bendiocarb against the vector of bancroftian filariasis, *Culex quinquefasciatus* Say in Matara, Sri Lanka. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **90**: 103-104.
- A2.** Weerasooriya Mirani V, **Mudalige Malka PS**, Gunawardena NK, Kimura E & Samarawickrema WA (1998). Microfilaria periodicity of *Wuchereria bancrofti* in comparison with man landing periodicity of *Culex quinquefasciatus* in Matara, Sri Lanka. *Ceylon Medical Journal*, **43**: 78-83.
- A3.** Itoh M, Weerasooriya Mirani V, Gunawardena NK, **Mudalige MPS**, Samarawickrema WA & Kimura E (1999). A study on *Wuchereria bancrofti* antigenemia in Sri Lanka. *Tropical Medicine and International Health*, Vol. **43**: 207-210.
- A4.** Weerasooriya MV, **Mudalige MPS**, Itoh M, Qiu X-G, Kimura E, Fujimaki Y (2003). IgG₄ ELISA using urine samples and ICT whole blood card test to

detect filarial infection due to *Wuchereria bancrofti* in Matara, Sri Lanka. *Annals of Tropical Medicine and Parasitology*, **97(2)**: 179 -185.

- A5.** Yahathugoda TC, Wickramasinghe D, Liyanage TS, Weerasooriya MV, **Mudalige MPS**, Waidyaratne EI, Samarawickrema WA (2003). Knowledge on lymphatic filariasis and the response to July 2002 mass treatment campaign in two communities in the Galle District. *Ceylon Medical Journal* **48(3)**: 74-77.
- A6.** Weerasooriya MV, Isogai Y, Itoh M, Yahathugoda TC, Vidanapathirana KK, **Mudalige MPS**, Kimura E (2008). Distribution of filarial elephantiasis and hydrocele in Matara district, Sri Lanka, as reported by local leaders, and an immunological survey in areas with relatively high clinical rates. *Parasitology International*, **57**: 390–395.

B. PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONVENTIONS AND PUBLISHED AS ABSTRACTS:

- B1.** **Sinhara Mudalige MP**, Wickremasinghe MB and de Silva BGDNK (1995). Some observations on fish fauna and anopheline breeding in a riverine habitat at Gomadiyagala (A village in the North-Western Province, Sri Lanka). *Proceedings of the 51st Annual Sessions of the Sri Lanka Association for the Advancement of Science*.
- B2.** Weerasooriya MV, Munasinghe CS, **Sinharamudali MP** & Samarawickrema WA (1995). Evaluation of the efficacy of permethrin, lambda-cyhalothrin (Icon) and bendiocarb impregnated house curtains against *Culex quinquefasciatus* in Matara. *Proceedings of the Sri Lanka Medical Association*, **108**: 30.
- B3.** Weerasooriya MV, **Mudalige MPS**, Gunawardena NK, Weerasooriya TR & Samarawickrema WA (1996). Microfilarial periodicity of *Wuchereria bancrofti* and biting periodicity of *Culex quinquefasciatus* in Matara, Sri Lanka. *Proceedings of the Sri Lanka Medical Association*, **109**: 20.
- B4.** Weerasooriya MV, Kimura E, Itoh M, **Mudalige MPS** & Samarawickrema WA (1996). Immunoepidemiological study of bancroftian filariasis in Matara, Sri Lanka using the Trop-Ag *Wuchereria bancrofti*, lymphatic filariasis detection assay. Some preliminary results. *Proceedings of Galle Medical Association*, **55**: 7.
- B5.** **Mudalige Malka PS**, Weerasooriya Mirani V & Samarawickrema WA (1996). Entomological parameters in a study area in Matara prior to intervention with insecticide impregnated house curtains. *Proceedings of Galle Medical Association*, **55**: 6.
- B6.** Weerasooriya MV, Kimura E, **Mudalige MPS**, Gunawardena NK & Samarawickrema WA (1997). Comparison of methods for detection of microfilariae of *Wuchereria bancrofti* in Matara, Sri Lanka. A preliminary

study. International Medical Congress, Kandy, Sri Lanka. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **91**: 247.

- B7.** **Mudalige Malka PS**, Weerasooriya Mirani V & Samarawickrema WA (1997). Uptake and development of *Wuchereria bancrofti* in *Culex quinquefasciatus* when fed on carriers with different levels of microfilaraemia. A first report. *Proceedings of Galle Medical Association*, **56**: 13.
- B8.** Gunawardena NK, Weerasooriya MV, Itoh M, **Mudalige MPS** & Kimura E (1998). Antifungal IgG₄ antibodies and circulating fungal antigens in bancroftian filariasis. *Galle Medical Journal*, **57**: 26.
- B9.** **Mudalige Malka PS**, Weerasooriya MV & Samarawickrema WA (1998). Mortality of parasite and vector of *Wuchereria bancrofti* infected with different levels of microfilaraemia. *Galle Medical Journal*, **57**: 29.
- B10.** Kimura E, Weerasooriya MV, Itoh M, Gunawardena NK, **Mudalige MPS** & Samarawickrema WA (1998). Finding of new endemic foci of *Wuchereria bancrofti* in Sri Lanka using immunological tests. International Congress of Parasitology. *Parasitology International*, **47** (Suppl.):103.
- B11.** **Mudalige MPS**, Weerasooriya MV, Samarawickrema WA (1998). Uptake, development and parasite yield of *Wuchereria bancrofti* in *Culex quinquefasciatus* when fed on blood of carriers with different densities of microfilariae in Matara, Sri Lanka. *Fourth International Medical Congress, Kandy, Sri Lanka*. 83.
- B12.** Weerasooriya Mirani V, **Mudalige Malka PS**, Gunawardena NK, Ismail MM & Samarawickrema WA (1999). Comparative long term efficacy of single dose diethylcarbamazine (DEC) and combinations of Albendazole with DEC and Ivermectin. *Galle Medical Journal*, **58**:22.
- B13.** Weerasooriya Mirani V, Isogai Y, **Mudalige Malka PS**, Vidanapathirana Kanchana K & Kimura E (2000). Distribution of filariasis in Matara District using Rapid Assessment Procedures (RAPs). *Galle Medical Journal*, **59**: 79
- B14.** Weerasooriya Mirani V, **Mudalige Malka PS** & Samarawickrema WA (2000). Efficacy of lamdacyhalothrin (ICON) impregnated house curtains against the vector of bancroftian filariasis, *Culex quinquefasciatus* say in Matara, Sri Lanka. *Galle Medical Journal*, **59**: 80.
- B15.** **Mudalige Malka PS**, Weerasooriya Mirani V & Samarawickrema WA (2000). Variation in microfilaria uptake and infective larvae output of *W.bancrofti* in *C.quinquefasciatus* in relation to microfilaria density of the carrier in bancroftian filariasis in Sri Lanka. *Proceedings of 56th Annual Sessions of the Sri Lanka Association for the Advancement of Science*, part I – A 229: 27.
- B16.** **Mudalige Malka PS**, Weerasooriya Mirani V & Samarawickrema WA (2000). Quantitative relationships of the transmission dynamics of

bancroftian filariasis in Sri Lanka. *Proceedings of 56th Annual Sessions of the Sri Lanka Association for the Advancement of Science*, part I – A 233: 31.

- B17.** Weerasooriya MV, Itoh M, **Mudalige MPS** & Kimura E (2001). The use of saliva to detect filaria-specific IgG₄ antibody in bancroftian filariasis. *Galle Medical Journal*, **60**: 1.
- B18.** **Mudalige MPS**, Weerasooriya Mirani V & Samarawickrema WA (2001). Density dependent regulation of parasitaemia in natural transmission of bancroftian filariasis in Matara, Sri Lanka. *Proceedings of the 21st Annual Session of the Institute of Biology Sri Lanka - 2001*.
- B19.** Weerasooriya MV, Samarawickrema WA, Itoh M, **Mudalige MPS** & Kimura E (2001). Community based field trial on the comparative long-term microfilaricidal effect of single dose albendazole, diethylcarbamazine (DEC), albendazole with DEC or ivermectin in bancroftian filariasis in Matara, Sri Lanka. *Proceedings of Second International Congress of Parasitology and Tropical Medicine & Malaysian Society of Parasitology and Tropical Medicine*, FP5.2 85.
- B20.** Weerasooriya MV, Itoh M, **Mudalige MPS**, Samarawickrema WA & Kimura E (2002). IgG₄ ELISA using urine samples and ICT whole blood card test to detect filarial infection due to *Wuchereria bancrofti* in Matara, Sri Lanka. *Galle Medical Journal*, **3**:1.
- B21.** Kimura E, Itoh M, Isogai Y, Fujimaki Y, Qiu X, Islam MZ, Weerasooriya MV & **Mudalige MPS (2002)**. Prevalence of *Wuchereria bancrofti* antigenaemia and filaria-specific urinary IgG₄ in Deniyaya area, Matara District, Sri Lanka. Abstract of the thirty-seventh joint conference on parasitic diseases of The Japan-United states Cooperative Medical Science Program at Nagasaki, Japan on August 2002.
- B22.** Yahathugoda TC, Weerasooriya MV, Samarawickrema WA, **Mudalige MPS**, Wickramasinghe D & Waidyaratne EI (2003). Knowledge and attitude on Lymphatic filariasis and the response to the July 2002 mass treatment campaign in two communities in the Galle District, Sri Lanka. *Sri Lanka Medical Association 116th Anniversary Academic Sessions* PP- 3: 59.
- B23.** Weerasooriya MV, Yahathugoda TC, Wickramasinghe D, **Mudalige MPS**, Vidanapathirana KK & Samarawickrema WA (2005). Comparison of biannual and annual single dose mass drug administration with diethylcarbamazine (DEC) plus albendazole and DEC alone in four village units in Matara in the programme for the elimination of lymphatic filariasis (PELF). *Ceylon Medical Journal*, **50(1)**:15.
- B24** Weerasooriya MV, Gunawardena NK, Yahathugoda C, Wickramasinghe D, **Mudalige MPS**, Vidanapathirana KK & Samarawickrema WA (2006) An independent evaluation of the August 2004 Mass Drug Administration for Elimination of Lymphatic Filariasis in Colombo Municipality area. *Ceylon Medical Journal*, **51**:17: 44.

- B25** Rajapakse RASH, **Mudalige MPS** (2010), Preliminary study on the determination of the prevalence of intestinal parasitic infections among the children in Rajawatta village, Peradeniya, Proceeding of the Peradeniya University Research Sessions, Sri Lanka, **15**(1) : 95.

C. BOOKS AND CHAPTERS IN BOOKS:

- B1** Wickremasinghe D and **Mudalige MPS** (2009) "Paraposhithayo – Barawa Rogaya" (in Sinhalese) : Parasites – Filariasis. Published by Godage and brothers. ISBN 978-955-30-0560-1

GRANTS

- 1). **Agency:** World Health Organization, Tropical Diseases Research (TDR) Division, Geneva, Switzerland. Research Training Grant No. 960434. **Status:** Principal investigator. **Title:** "Uptake, development and parasite yield of *Wuchereria bancrofti* in *Culex quinquefasciatus* Say when fed on carriers with different densities of microfilariae and the significance of low density microfilaraemia in the transmission of bancroftian filariasis in Matara, Sri Lanka." **Period:** Three years commencing from May 1996. **Value:** US Dollars 10,000/-.
- 2). **Agency:** World Health Organization - Tropical Diseases Research (TDR) Division, Geneva, Switzerland. Collaborative Research Grant No. 931131. **Status:** Co-investigator. **Title:** "Impact of insecticide impregnated curtains on *Culex quinquefasciatus* and transmission of bancroftian filariasis in Matara, Sri Lanka". **Period:** Three years commencing from July 1994. **Value:** US Dollars 75,000/-.
- 3). **Agency:** World Health Organization, Control of Tropical Diseases Research Division (WHO/CTD), Geneva. **Status:** Co-investigator. **Title:** Comparative long term efficacy of single dose diethylcarbamazine (DEC) and combinations of albendazole with DEC and ivermectin. **Period:** Three years commencing from January 1998. **Value:** US Dollars 21,000/-.
- 4.) **Agency:** Ministry of Science and Education, Japan. **Status:** Co-investigator **Title:** Rapid Assessment of Prevalence (RAP) and Geographic Information Systems (GIS) studies on filariasis in Matara. **Period:** two years commencing January 2000. **Value:** Yen 1,000,000.
- 5). **Agency:** Lymphatic Filariasis Support Centre, Liverpool School of Tropical Medicine, United Kingdom. **Status:** Co-investigator **Title:** Mass chemotherapy on bancroftian filariasis in four villages in Walgama, Matara with single dose diethylcarbamazine (DEC) alone and in combination with albendazole. **Period:** two years commencing January 2001. **Value:** US Dollars 5000/-.

MEMBERSHIPS OF PROFESSIONAL BODIES

- ◆ Life member of the Sri Lanka Association for the Advancement of Science, since year 1992.
- ◆ Life member of the Galle Medical Association, Sri Lanka, since year 1995.
- ◆ Associate member of the Society of Biology, Sri Lanka since 2001.
- ◆ Member of the Young Scientists Forum, National Science and Technology Commission, Ministry of Science and Technology, Sri Lanka since 2000.

PROFESSIONAL AND UNIVERSITY SERVICE ACTIVITY

- ◆ I have been appointed as the **Head of the Department** of Medical Laboratory Science, Faculty of Allied Health Sciences, University of Peradeniya since 26th February 2010.
- ◆ I have been appointed as the **Acting Dean**, Faculty of Allied Health Sciences in 2010/2011 and as the Acting Head of the Department Medical Laboratory Science in 2009 on several occasions.
- ◆ I have been appointed as a **member** of the following **senate committees** of University of Peradeniya:
 - Scholarship Committee since 2009
 - University Admission Committee since 2009
 - Academic Development and Planning Committee since July 2010
 - Research Committee since 2011
- ◆ I am a member of the following committees of Faculty of Allied Health Sciences
 - English Committee as the Chairperson.
 - Time table Committee as the Chairperson.
 - Curriculum Development & Evaluation Committee as a member
 - Research and Ethics Committee as a member.
 - Canteen Committee as a member.
 - Convocation organizing committee - 2010.
 - Peradeniya University Research Sessions Organizing Committee – 2009 & 2010.
- ◆ Proposal writer for the University Development Grant under the World Bank funded Project of Higher Education for Twenty First Century – 2010.
- ◆ President of the Peradeniya University Allied Health Sciences Teachers Association (PUAHSTA) in 2010 – 2011.
- ◆ President of the Welfare Association of the Faculty of Allied Health Sciences in 2011.

- ◆ I have participated as an external examiner in the 3rd M.B.B.S. Part I examination held in University of Kelaniya, University of Peradeniya, University of Sri Jayewardenepura from 2005-2007.
 - ◆ I was appointed as the **Head of the Department** of Parasitology, Faculty of Medicine, University of Ruhuna, Galle since 01st of May 2006 – November 2007 (resigned as I was on maternity leave).
 - ◆ I was appointed as the **acting head of the Department** of Parasitology, Faculty of Medicine, University of Ruhuna, Galle for the following periods:
 - 19th January 2005 - 28th February 2005
 - 25th January 2000 - 08th February 2000
 - 01st April 2000 - 01st May 2000.
 - ◆ **A Student Counselor:**
Faculty of Allied Health sciences, University of Peradeniya for a one year period in 2008.
Faculty of Medicine, University of Ruhuna, Galle, Sri Lanka with effect from 01st July 2002 -2006.
 - ◆ A member of the following committees of the Faculty of Medicine, Galle:
 - Election Monitoring Committee in 2004 January.
 - Curriculum Revision Committee from 2002 -2007.
 - Curriculum Development & Evaluation Committee, from 2001 -2007.
 - Scholarships and Fellowships Committee, from 1999 -2007.
 - Auditorium Committee, from 1995 -2006.
 - ◆ Was the Academic Sub-Warden, Women's Hostel, Faculty of Medicine, University of Ruhuna, Galle from 1995 to 2000.
 - ◆ Was the Secretary and Convener of the Auditorium Committee of the Faculty of Medicine, Galle from 1997 to June 1999.
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