



CURRICULUM – VITAE
Dr. Mrs. B.M.K.S.Tilakaratne
Former Director of Institute of Post Harvest Technology, Senior Lecturer in
Wayamba University
32 years experience in the field of Food
Technology and Post Harvest Technology

1. **Name** : Bothale Mudiyansele Kamalarajie Swarnasikha Tilakaratne
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4. **Date of Birth** : 07th February 1956
5. **Age** : 68 years
6. **Sex** : Female
7. **Nationality** : Sri Lankan
8. **Marital Status** : Married

9. Educational Qualifications:

9.1 School Education

Primary Education: – Dharmapala Vidyalaya, Pannipitiya (1961 to 1966)
Secondary Education: Vishaka Vidyalaya, Colombo 04 (1967-1976)

9.2 University Education:

- a) **Name of University** : University of Peradeniya,
Peradeniya,
Sri Lanka.

Period : From 1978 to 1982

Name of the Degree : Bachelor of Science of Agriculture
(Specialized in Food Science and Technology)

Effective date of the Degree: 01st Oct 1982

Majoring Subject: Food Science & Technology

b) Name of University : University of Sri Jayawardanapura,
Gangodawila, Nugegoda,
Sri Lanka.

Period : From 1999 Dec to 2002 Aug.

Name of the Degree : Master of Science in Food Science and Technology

Effective date of the Degree: 26th August 2002

Title of the Research: Formulation of nutritionally superior biscuits for infants and for pre-school children using malted Green Gram as a major source of protein

c) Name of University : Dr.Y.S. Parmar University of Horticulture and Forestry,
Nauni, Solan, Himachal Pradesh,
India.

Period : From 2004 Feb. to 2007 Feb.

Name of the Degree : Doctor of philosophy in Postharvest Technology (Horticulture)

Effective date of the Degree: 09th April 2007

Subjects Covered:

- Major subjects: Post Harvest Technology of Fruits and Vegetables
Post harvest physiology,
Fruit and vegetable Preservation,
Food packaging
- Minor subjects: Food microbiology,
Biochemistry
- Other Subjects: Chemistry of Medicinal Plants,
Library and Information Services,
Computer Science and Applications

Title of the Research: Studies on utilization of kernel oil and press cake of Apricot for value addition

10. Employment Record :

Current responsibilities : Working as a Visiting Lecturer in Post Harvest Technology, Wayamba University of Sri Lanka and Sri Lanka Standard Institution

1. Most recent Post : Senior Lecturer

**Dept. of Food science & Technology,
Faculty of Livestock, Fisheries & Nutrition,
Wayamba University of Sri Lanka**

2. Private Interest; Working as a A/L Biology tutor more than 10 yrs

10.1 Recent Previous Posts : 1. Director - (Chief Executive Officer)
- Since 10th June 2010 to 07th July 2016

2. Acting Deputy Director
-since 22ⁿ April 2010 to 09th June 2010

Institution : Institute of Post Harvest Technology (Successor to the Rice Processing Research and Development Center and established on 19th June 2000)

10.2 Previous Senior Post : Senior Research Officer

Institution: Institute of Post Harvest Technology (Successor to the Rice Processing Research and Development Center and established on 19th June 2000)
Period : From 01st December 2000 to 21st April 2010

Other Previous Employments

a) Research Officer

Institution : Rice Processing Research and Development Center
Period : From 03rd December 1984 to 30th November 2000

b. Science Graduate Teacher

Institution : Department of Education
Period : August 1983 to November 1984

c) Investigator

Institution : **Agrarian Research & Training Institute**
Period : February 1983 to June 1983
Duties : Data collection and statistical analysis of survey on "Food Consumption in Sri Lanka"

11. Projects and Training experiences and other useful qualifications for working in projects

Work Experience in Projects

- 1. Worked as Country Co-coordinator of "Training of rural woman in post harvest loss prevention in South Asian Countries" a International project launched by CIRDAP, Bangladesh, from 1988 to 1991.
As a Project Co-ordinator organizing training classes, demonstrations, preparing training curriculum, Promoting Agribusiness, monitoring and evaluation and prepared reports were done.
- 2. Worked as a trainer in the Participatory Rural Development Project in North Central province from 1996-1997 and promote the Agri-business in North Central Province such as rice processing, flour processing etc.
- 3. Worked as Co-ordinator of the World Food Programme (WFP) project with the aim of promoting rice processing and flour processing in North and Eastern area

of Sri Lanka in 2012-2013. Implemented through Ministry of Agriculture. Five hundred beneficiaries were given parboiling units free of charge to initiate Agribusiness in the area.

4. Worked as a Co-ordinator of FAO funded project “Reduction of Post Harvest lossess in Banana and Beans” in 2015-2016 Implemented through Ministry of Agriculture.

5. Worked as a resource person for DzzLiSPP/IFAD funded project to implement of rural level agro based Industries in North Central Province during the period of 2011 to 2013.

TRAINING EXPERIENCE

Teaching experience in more than 2000 training courses; delivering lectures in theory & practices of small, medium and large scale parboiling, drying and milling methods, domestic level rice processing and loss prevention, dehydration of vegetables and fruits, Fruit and vegetable processing, by-product utilization of rice industry, grain conveying equipment and establishment of commercial rice mills. Organized 1-5 day training courses and coordinated approximately 160 training programmes for following trainee categories:

- Worked as a Resource person for Central Bank of Sri lanka to implement agribusiness through training on post harvest technologies throughout the country from 2012-2014.

Other Useful qualifications for working in projects

- a) I Forwarded a project proposal on Nutrition to Grant competition organized by World Bank and became one of the 60 finalists out of 1000 applicants in South Asian countries. Attended to participate for ‘ Development Marketplace 2009 grant competition of South Asia innovate for Nutrition’ from 03-06 Aug. 2009 in Bangladesh and presented poster presentation on supplementary feeding to reduce malnutrition in Sri Lanka.
- Completed Post Graduate Diploma in “Business & financial administration” at the Institute of Charted Accountants of Sri Lanka.

12. List of Research Publications

Full Papers

1. Intenational refreed peer reviewed Journals

09 No.S of Research Papers published in Different International Journals.

2. Local journals:

62 No.S of Research Papers published in Different Journals

3. Abstracts in local Journals:

25 No.S in Local Journals

4. Review and Technical Notes:

07 No.S in various local magazines

13. List of professional societies, and activities in civic, public affairs.

I. Visiting Lecturer

- a). Visiting lecturer in **Post harvest technology** of the Agricultural Development Authority of the government of the Sri Lanka.
- b). Visiting lecturer in **Post harvest technology** at the Mahaweli Authority of the Government of Sri Lanka.
- c). Visiting lecturer in **Post harvest technology** of the Agriculture Department of the Government of Sri Lanka
- d). Visiting lecturer in **Post harvest technology** of the Industrial Development Board, Chamber of Commerce and NGOs.
- e). Visiting lecturer in **Biochemistry** at the University of Rajarata, Mihintale
- f). Visiting lecturer in **Postharvest Technology** at the University of Wayamba
- g). Chief editor of the proceedings of the International Research Symposium on Post Harvest Technology with theme of "Safe food for healthy life" held on 19th June 2014 at the Institute of Post Harvest Technology.
- h) Visiting Lecturer in Post harvest Technology in HNDA at Technical College of Ministry of Higher Education, Naiwala

II. Supervisor of research projects

Worked as a supervisor of **38 No.S** of of B.Sc. Final year students (specializing in Food Science and Technology/ Postharvest Technology) and M.Sc. students from different Universities.

III. Member ships:

- A life member of Sri Lanka Association for the Advancement of Science (SLAAS).- 6335/B
 - Member of NSF- NSF/ STMIS/09/0321
 - Member of Alumni- Association of Agriculture, University of Peradeniya
 - Worked as a Committee member of the section "B" Sri Lanka Association for the Advancement of Science (SLAAS) in 2009.
 - Worked as a member of the committee of "Foresight study on Rice based products Development in Sri Lanka" implementing by the National Science Foundation (NSF).
 - Worked as a member of the committee of "Popularization of Rice flour and based products in Sri Lanka" implementing by the Ministry of Industrial Development.
 - Worked as a Member of faculty board of Faculty of Agriculture systems, Rajarata university, Puliyankulama, Anuradhapura since 2010 to 2016.
 - Worked as a Member of study board of the university college, Anuradhapura.
- Viii Worked as a member of the working committee of the Sri Lanka standard Institution for formulation of Standards for
- Good Agricultural practice.
 - Code of practice for locally vegetables

- Standards for apples
- Code of Practice for Mangoes

Other Invitations

- Chairperson for technical sessions in Agricultural Engineering at the Third Annual Research Symposium, 2013, Rajarata University of Sri Lanka held on 07th Feb 2013
- Panel Member for technical sessions in Food Science and Technology at the sixth Annual Research Symposium, Faculty of Agriculture, 2013, Rajarata University of Sri Lanka held on 02nd July 2014
- Resource person for the International workshop on reduction of post harvest losses of fruits and vegetables in South-Asian countries held on 17th – 21st March 2014 in Sri Lanka Organized by CIRDAP, Bangladesh and HARTI, Sri Lanka
- Working as Resource Person to Central Bank of Sri Lanka to training of beneficiaries on minimize of Post Harvest losses and initiation of agro-based industries since 2011 to 2014

14 International Training and Workshops, attended:

- a) Attended International Training Programme in **Philippines** on “**Integrated pest Management**”.(from 04th – 14th June 1988)
- b) Attended CIRDAP – NIRD collaborative workshop on “**Training of rural women in post harvest loss prevention phase 1**” (08th – 14th August 1988 Hyderabad, India.)
- c) Attended CIRDAP – ARTI collaborative workshop on “**Training of rural woman in post harvest loss prevention phase 11**” (02nd – 06th September 1991 Sri Lanka).
- d) Participated in “**Special regional course on Training methodology for women trainers of integrated rural development activities**” in Bangladesh (16th to 29th Feb; 1992).
- e) Participated in “**International Rice Science and Technology Training Course** “ held at Rice Research Institute of HAAS, Changsha, China. (15th April to 24th July 1995).
- a. Attended International Training programme in **Japan** on “**Post Harvest Rice processing**” (from 29th Aug: – 13th Nov.1998)
- g) Attended International Training programme in **Israel** on “**Research & Development of Post Harvest Biology of fruits & vegetables**” (from 14th Feb: – 10th Mar: 2001)
- h) Attended for Ph. D Training in Himachal Pradesh, **India** on “**Postharvest Technology of Horticulture Crops**” From Feb. 2004 to Feb 2007
- i) Attended International Training programme in **Pakistan** on “**Postharvest Management of Horticultural Crops: Fruit and Vegetable Chains**” organized by the Asian Productivity Organization (from 2nd -7th June 2008)
- j) Attended e- Learning Course on “**Exporting Agri-food Products in Major Global Markets**” held in Colombo from 24th -26th 2008, organized by Asian Productivity Organization, Japan.
- K) Forwarded a project proposal to World Bank and became one of the 60 finalists out of 1000 applicants in South Asian countries.
Attended to participate for ‘ Development Marketplace 2009 grant competition of South Asia innovate for Nutrition’ from 03-06 Aug. 2009 in Bangladesh and presented poster presentation on supplementary feeding to reduce malnutrition in Sri Lanka.
- L) Delivered keynote address and served as Chairperson for 1st International Conference on Innovations in Food Processing and workshop on Food Safety at National institute

of Food technology Entrepreneurship and Management under ministry of food processing industries, Hayana India (10-12th Jan 2013).

- M) Attended International Training programme in Bali, Indonesia on Workshop on Emerging Postharvest Technologies for Fresh Fruit and Vegetables from 23-27 September 2013
- n) Attended International Training Programme on Agricultural Research Management for the Scientist of Sri Lanka Council for Agricultural Research policy (SLCARP) held at ICAR – National Academy of Agricultural Research Management, Hyderabad, India during December 22 to 31, 2014

15. Local training and workshops attended:

- i. Attended training in **Microbiological analysis** held in Department of Microbiology, University of Kelaniya from 18th Nov -17th Dec. 1997.
- ii. Participated in the Symposium on **“Technologies for Environmental Protection and Sustainable Agriculture”** from 19th to 21st Nov.2003 in Colombo, Organized by China Agriculture University, China in collaboration with Industrial Technology Institute and Department of Agriculture
- iii. Participated in the Symposium on **“Post Harvest Treatments for Fresh Fruits and Vegetables”** held in Trans Asia Hotel, Colombo on 27th Nov. 2002.
- iv. Participated in the training programme on **Analysis of Vitamins by HPLC** from 5th to 09th July 1999 at Industrial Technology Institute, Colombo.
- v. Participated in the training programme on **Incorporation of Rice in Bakery Products** from 15th to 16th May 1996.at Industrial Technology Institute, Colombo.
- vi. Participated in the training programme on **e-Learning Course on Exporting Agri-food Products in Major Global Markets (Phase 2)** from 24th to 26 June 2008 Asian Productivity Organization, Colombo.
 - Participated in the Post Harvest Stakeholder Workshop on **Safe and Environmental Friendly Methods for Minimizing Loss of Fresh Produce** from 12th August 2010 held in Industrial Technology Institute, Gall Face Hotel, Colombo.
 - Participated in the Workshop on **Biosafety: Risk Assessment and Management of Genetically Modified Organisms, Food, Feed and Processed Products** from 11th &12th August 2011 at Agriculture Biotechnology Center, Faculty of Agriculture, University of Peradeniya
- ix. Participated in the Workshop on **Reviewing Research Articles: Are We Doing it Right?** from 25th April 2014 held in Industrial Technology Institute, Colombo 7.
- x. Participated in the Workshop on **Practical Aspects of Bid Evaluation** from 03rd & 04th October 2014 in Skill Development Fund Ltd.
- xi. Participated in the Workshop on **Writing a High Impact Research Article** from 09th & 10th July 2015 at the Hector Kobbekaduwa Agrarian Research and Training Institute.
- xii. Participate in a Training Programme on **Analysis of Vitamins By HPLC** from 5th July to 9th July 1999 at Ceylon Institute of Science & Industrial Research, Colombo 7.
- xiii. Participated the workshop organized by International trade center on Strengthening the SPS-Related institutional networking mechanism for the Fruit and Vegetable sector in Sri Lanka on 26-27 Nov 2014 Workshop, Center for banking studies, Colombo, Sri Lanka.

16. Patent applied for innovations

06 Patents obtained by the IPHT with my guidance during the time I worked as a Director for the first time of the history of the Institute

- Development of rice based soup cube- LK/P/15970
- Development of B-onion grader- LK/P/15350
- Development of rice ice cream- LK/P/16623
- Development of edible wax for fruit coating- LK/P/16622
- Development of steam sterilization machine for dried pepper-LK/P/16903
- Development of continuous paddy steamer- LK/P/16904

17. Awards:

- ADB Scholarship received for follow the Post Graduate Diploma in “ Business & financial administration” at the institute of chartered accountants of Sri Lanka.
- ADB Scholarship was granted in 1999 to follow the M.Sc. course in Food Science and Technology at the University of Sri Jayawardanapura,
- Scholarship received by the Council for Agricultural Research Plan (CARP) under the ICAR/CARP work plan 2003/2004 for follow Ph.D training in India
- Merit award was received by the National Research Council for International research publication “Utilization of wild apricot Kernel press cake for extraction of protein isolate”. *Jnl Food Science & Technology* (Nov-Dec 2010)47(6)682-685
- Awarded as best poster presentation at the 8th International Conference of General Sir John Kothalawala Defence University. (27-28 August 2015). Development of Nutri Mix Fortified with Dehydrated Murunga leaves and pumpkin powder.

6. NRC Merit award was received by the National Research Council for International research publication of Physico-chemical and sensory quality of fresh cut papaya (*Carica papaya*) packaged in micro-perforated polyvinyl chloride containers. *J. Food Sci. Technol* 2014 Dec;51(12):3918-25–**NRC MERIT AWARD in 2017**

Grants

1.Treasury grant

In 2014, during the period of working as the director of the institute of Post Harvest Technology, after holding discussion and forwarding a proposal to treasury, Institute received 75 million of rupees to equip and renovate the existing laboratories to International standards focusing to facilitate the food analysis such as heavy metals and chemical residues.

2. NSF grant for research

Received NSF grant of 1.8 million rupees in 2015 to conduct a research on 'Studies on fruit phenology, per-harvest foliar treatment on fruit quality and enhancement of postharvest life of lime

To the best of my knowledge, the information contained in this is true and complete.

20. Referees:

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Date-12/10/2024