



Prof. Eresha Mendis

Professor of Food Science & Technology
Department of Food Science & Technology
Faculty of Agriculture
University of Peradeniya
Sri Lanka

PERSONAL INFORMATION

- NAME: B.E.P. Mendis
- DATE OF BIRTH: 03rd June 1971
- MARITAL STATUS: Married
- NATIONALITY: Sri Lankan

ACADEMIC QUALIFICATIONS

- Ph.D.in Chemistry (2007)**
*Specialization:*Biochemistry and Molecular Biology
*Institution:*Department of Chemistry, Graduate School of Natural Sciences, Pukyong National University, South Korea
*Thesis:*Anticancer mechanism of a novel quaternized amino glucosamine derivative in melanoma cells and its inhibitory effects on matrix metalloproteinases and NF-κB.
- M.Sc. in Chemistry (2004)**
Specialization: Biochemistry and Molecular Biology
*Institution:*Department of Chemistry, Graduate School of Natural Sciences, Pukyong National University, South Korea
*Thesis:**In vitro* activity assessment of antioxidative peptide derived from enzymatically hydrolyzed Hoki (*Johnius belengerii*) skin gelatin.
- B.Sc. in Agriculture (1999)**
*Specialization:*Biometry
Institution: Faculty of Agriculture, University of Peradeniya, Sri Lanka
*Thesis:*Perception of peace package by Peradeniya University undergraduates: A statistical survey.
- G.C.E (O/L) & G.C.E. (A/L)**
Collegiate & Secondary Education
Our Lady of Victories Convent, Moratuwa, Sri Lanka



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CAREER RECORD

DESIGNATION	YEAR/S	INSTITUTION
Professor of Food Science & Technology	2021, to-date	Department of Food Science & Technology, Faculty of Agriculture, University of Peradeniya, Sri Lanka
Head of Department	2019 - 2022	Department of Food Science & Technology, Faculty of Agriculture, University of Peradeniya, Sri Lanka
Senior lecturer	2007, to-date	Department of Food Science & Technology, Faculty of Agriculture, University of Peradeniya, Sri Lanka
Postdoctoral research scientist (senior researcher)	2007	Marine Bioprocess Research Center, Pukyong National University, S. Korea
Quality assurance executive	2000-2002	Dilmah Tea (Pvt) Ltd., Peliyagoda
Demonstrator	2000	Department of Soil Science, Faculty of Agriculture, University of Peradeniya, Sri Lanka

VISITING APPOINTMENTS	YEAR/S	INSTITUTION (program)
Visiting lecturer in food safety & hygiene	2018, to-date	Kadugannawa Regional Health Training Center, Ministry of Health & Nutrition, Sri Lanka (Diploma in Public Health for Public Health Inspectors)
Visiting lecturer	2008-2015	Faculty of Allied Health Sciences, University of Peradeniya (B.Sc. in Medical Laboratory Science)
Visiting lecturer	2008, to-date	Postgraduate Institute of Agriculture, University of Peradeniya, Sri Lanka (Board of Study in Food Science & Technology)

COURSES OFFERED

UNDERGRADUATE	
<ul style="list-style-type: none"> Introduction to Food Science & Technology Food Regulation & Food Quality Control 	<ul style="list-style-type: none"> Food Microbiology Sensory Evaluation of Foods

- Food Sampling
- Food Chemistry
- Foods for the Future
- Agricultural Product Quality & Processing
- Study Report on Market Foods or Processing Potential of an Agricultural Commodity
- Group Project

POSTGRADUATE

Board of Study in Food Science & Technology

- Functional Foods & Nutraceuticals
- Seminar
- Consumer Driven Food Product Development
- Food Chemistry
- Sensory Evaluation of Foods

Board of Study in Crop Science

- Quality Assurance in Plantation Crop Industry

RESEARCH SUPERVISION

UNDERGRADUATE	YEAR	TITLE OF THE RESEARCH PROJECT
55. D.M.I.M. Dasanayaka	2020	Decontamination of Selected Raw Materials Used in Large Scale Food Industries by Using Ultrasound Treated Water and Ozonation
54. B.S.K. Ulpathakumbura	2020	Determination and Comparison of Physicochemical Characteristics of Turmeric (<i>Curcuma longa</i> L.) Powder Produced Locally and Imported from Myanmar
53. P.A.N.K. Jayakody	2020	Use of Cyclodextrin to Remove Cholesterol in Milk and Its Effect on the Availability of Other Milk Constituents
52. B.V.C.R. Batugedara	2020	A Comparative Study on the Presence of Pesticide Residues in Selected Vegetables Grown in Conventional Agricultural Fields and Good Agricultural Practices (GAP) Certified Fields
51. T.A.K.A. Tennakoon	2020	Phytocatalytic Degradation of Bisphenol-A Ciprofloxacin in Drinking Water Using Graphene Based Photocatalyst
50. G.G.S. Madubhashini	2020	Analysis of the Physicochemical Properties of the Most Commercially Available Yogurt and Curd Products in the Market and Determination of Formalin in Curd
49. S.A. Edirisinghe	2020	Development of an Food Packaging Material Using Graphene Nano Composites to Substitute the Multilayer Coextruded Food Packaging Material
48. J.K.N. Piyumika	2019	Study of Sri Lankan Spice Export Control system and its Compliance to Requirements of Major Exporting Regions
47. K.V. Perera	2019	Development of Ready to Use Curry Pastes Targeting Selected Cuisines

46.	P. Sayanthan	2019	Planning and Development of ISO 22000 Food Safety Management System in Peanut Butter and Peanut Oil Processing Lines of a Food Manufacturing Organization
45.	K.M.R.U. Gunarathne	2019	Determination of the Lipid Content, Fatty Acid Profile, Salt and Sodium Content of Selected Fast Food Items Available for Sale in Colombo Municipal Council Area
44.	B.A.S.O. Perera	2019	Comparative and Compliance Study on Sri Lankan Food (Labelling and Advertising) Regulation 2005
43.	M.R. AhamedSha	2019	Study on Good Practices of Spice Producers and Manufacturers
42.	H.M. Wedagedara	2018	Assessment of Quality Changes with Sugar Adulteration in Black Tea and Development of a Simple Screening Method for the Detection of Adulteration
41.	M.A.N.M. Munasinghe	2018	Study on Food Adulteration of Sri Lanka and Recommendation of Rapid Qualitative Chemical Detection Methods to Identify Common Food Adulterants
40.	T.G. Deerasinghe	2018	Quantification of Total Aflatoxin Levels in Market Available Rice, Stored Paddy and Stored Rice from Different Regions in Sri Lanka
39.	J.P.R.N. Karunasiri	2018	The Adoption of Voluntary Standard Certifications by Food Processing Companies in Sri Lanka
38.	M. Harthika	2018	A Comparative Study of Food Product Standards in Sri Lanka and Standard Setting Procedure with that of Codex and India
37.	N.H.G.T. Madushani	2018	Determination of Total Aflatoxin Levels in Coconut Oil Produced in Sri Lanka and Compliance to Specifications
36.	R.P.D.M. Nirmana	2016	Analysis of Aflatoxin Contamination Levels during Different Stages of Parboiled and Raw milled Rice Production Process
35.	H.G.P. Sameera	2016	Production of Silage from Fish Waste Using Whey as the Inoculum
34.	R.G.S.K. Ranathunga	2016	Development of Dietary Fiber Rich Biscuits Using Selected Sri Lanka Banana Varieties
33.	R.M.P.S.N. Rajapaksha	2016	Comparison of Microbial Status, Important Chemical Parameters and Sensory Evaluation of Cold Brew Tea
32.	S.L.R. Jayanayake	2016	Gap Analysis of Existing FSSC 22000 FSMS at Marah to Assess the Effectiveness of Food Safety Procedures and to Improve the System to Achieve Compliance

31.	K.M. Jayasinghe	2015	Differentiation of ISO,BAM and AOAC Microbiological Test methods in Enumerating Total Plate Count in Coconut Products
30.	K.H.P. Rathnaweera	2015	In vitro Evaluation of Adhesion, Aggregation and Cholesterol Assimilation Abilities of Newly Isolated Potential Probiotic Bacteria
29.	W.A.P.C. Weerasinghe	2014	Development of a Spicy Cheese Dip with Improved Sensory Properties and Longer Shelf Life
28.	H.J.M.O.I. Jayasinghe	2014	Identification of Critical Control Points for a Vegetable Dehydration Plant
27.	M.D.M. Marambage	2013	Development of Fermented Sweet Potato (<i>Ipomeabatatas</i>) Pickle
26.	S.A.S.S. Suraweera	2013	Assessing the Probiotic Activity in Conventional Yoghurt Manufactured by a Dairy Processing Company in Sri Lanka
25.	P.A.P. Gunasekara	2013	Study for Implanting ISO 22000:2005 Food Safety Management System at a Tea Processing and Packaging Unit
24.	N.T.B. Madusankha	2012	Landscape Analysis of Food Control Framework in Sri Lanka
23.	D.V.S. Senevirathne	2012	Identification of Levels and Reduction of Foreign Matter Contamination in Exotic Pickle Production
22.	W.R.M.T. Wijesundara	2012	Determination of Sources of Coliform Contamination in Cheese Processing at Milco (Pvt) Ltd in Digana
21.	C. Priyanthi	2012	Variations of Moisture Content, Yeast and Mould in Black Tea (<i>Camellia sinensis</i>) at Different Stages of Tea Processing
20.	W.A.D.N. Priyadarshani	2012	Process Modification and Improvement of Recovery of Lactic Acid Fermented Sliced Gherkins (<i>Cucumisanguria</i> L.)
19.	B.H.I. Sudarshani	2011	Development of Ready to Use Chicken and Fish Curry Mixes Developed Incorporating Spices and Packing in Glass Bottles
18.	M.V. Vinotharaj	2011	Development of Guidelines for Good Manufacturing Practices for a Biscuit Production Line at Diana Trading Company (Pvt.) Ltd.
17.	G.T.R. Abeynayake	2011	Development of a HACCP Plan for the Aseptic Coconut Milk Production Line
16.	K. Rasakanthan	2011	Development of Health Beneficial Instant Noodle by Incorporating Edible Fiber from Natural Food Source
15.	N.G.C.D. Weerasena	2011	Development of a Cereal and Pulse Based Drink

			Powder
14.	M.A.R.N. Wijesinghe	2010	Effect of Pottasium on Fruit Quality of 'TomEJC' Mango (<i>Mangifera indica</i> L.)
13.	T. Kathiravel	2010	Development of a Low Calorie Ice-Cream
12.	W.G.P.D. De Silva	2010	Development of an Identification Key to Determine Quality for Dried Chilli Varieties Imported from India
11.	W.G.C.S. Amarasinghe	2010	Study on D-HACCP Astra and Flora under Morph Project in the Unilever Sri Lanka Limited
10.	P.T.M. Gunasekara	2009	Development of a Hazard Analysis and Critical Control Point (HACCP) Plan for the Yoghurt Production Line at MILCO (PVT) Ltd, Narahenpita
9.	W.K.N.N. Kaushalya	2009	Development of a Hazard Analysis Critical Control Point (HACCP) Plan for Extruded Snack Production Line at Uswatte Confectionary Works Limited
8.	L.D.K. Udawatta	2009	Development of a HACCP Plan for Flavored and Non-Flavored Green Tea Packing Operation in Unilever Sri Lanka, Colombo 14
7.	L.G.S. Himashana	2009	Development of a Color Calendar Using Selected Natural Color Extracts
6.	R.M.N.N. Karunaratne	2009	Development of a HACCP Plan for Production and Packaging of Out Of Home (OOH) Premixes
5.	W.N. Rodrigo	2008	Testing of Anti-oxidant and Anti-tyrosinase Properties of Nil Manel (<i>Nymphaea Stellata</i>)
4.	W.L. Mahipala	2008	Emulsion Forming Properties of Coconut Skim Milk
3.	M.D.M.C.P.K. Mahawela	2008	Nutritional Quality Assessment in Different Commercial Grades of <i>Katsuwonus pelamis</i> (Skipjack Tuna) Harvested by Offshore Fishing Boats in Sri Lanka
2.	M.A.M. Aslan	2008	Development of a Good Quality Bread Crumb
1.	C. Kaluarachchi	2008	Extraction and Incorporation of Natural Edible Grade Plant Pigments for Food Industry in Sri Lanka

	POSTGRADUATE (PhD)	YEAR	TITLE OF THE RESEARCH
2.	K.G.A. Omalka	reading	Compliance and a comparative study of food control system in the Sri Lankan hospitality sector and proposing standard practices to improve food safety.
1.	M.S.S. Faumiya	reading	Evaluation of the therapeutic and nutritional potential of dry leaves of <i>Moringaolifera</i> with special reference to its usage in the management of premenstrual syndrome in an urban sample

population.

	POSTGRADUATE(MPhil)	YEAR	TITLE OF THE RESEARCH
3.	K.M.R.U. Gunarathne	reading	Bioactivity studies and prebiotic potential of coconut testa flour of selected Sri Lankan coconut cultivars.
2.	G.N. Shantha	2020	Effectiveness of Mothers' Support Group intervention in childhood nutrition improvement in the district of Monaragala
1.	S.AK.D. Hemantha	2019	Colloidal milling as an alternative for homogenization of canned high fat coconut milk to comply with Demeter processing requirements.

	POSTGRADUATE (Directed Study)	TITLE OF THE STUDY
13.	A.U. Pinnaduwa	Emerging global food safety issues in the food industry
12.	L.R.S.P. Wijebandara	Cheese making process and types of cheese
11.	R.A.C.H. Seneviratne	Evaluation of the effect of gaseous ozone application on total aflatoxin concentration
10.	K.W.H.R. Ekanayake	Prevalence of anemia deficiency among pregnant women
9.	N.N. Jayawardena	Functional foods and its role in cancer prevention
8.	J.M.CM. Jayasekara	Seafood in the human diet for a better nutrition and human health: A Review
7.	W.M.R.D.H. Welikala	Diet and diabetic chronic kidney disease
6.	U. Amaraweera	Development of an isotonic drink
5.	A.G.A.M. Aluvihare	Nutrigenomics in prevention and management of diseases
4.	S.M.S.H. Samarakoon	Obesity management through nutrition
3.	P.P. Lakshani	Development of red and green chili pepper (genus <i>Capsicum</i>), ginger and garlic incorporated tamarind (<i>Tamarindusindica</i>) sauce
2.	K.G.M.L.M Ranaweera	Diet and cancer: a review
1.	M.L.W. Pinto	Study of the relationship between incoming moisture content and growth of yeast & mould during storage of black tea

RESEARCH RECORD



Google Scholar
H-index: 25



Research Gate
RG Score: 27.5

<https://scholar.google.com/citations?user=dKJc3-lAAAAJ&hl=en>

https://www.researchgate.net/profile/Eresha_Mendis

RESEARCH INTERESTS

- Food regulations, food standards and food control systems targeting food safety and quality.
- Safety and quality aspects of agricultural commodities and food products.
- Identification of bioactive substances from natural food sources and development of functional foods and nutraceuticals.
- Identification of molecular mechanisms of bioactive food ingredients against human diseases.

HIGHEST RECOGNITION

According to a study conducted by Stanford University USA and published in PLOS Biology Journal, I have been selected among top 2% researchers in the globe representing 15 Sri Lankan scientists in the year 2019. Around the globe 100,000 top-scientists have been recognized based on standardized information on adjusted H-index, citations to papers in different authorship positions and a composite indicator. Scientists are classified into 22 scientific fields and 176 sub-fields. Accordingly, my name appears in the field of Agriculture and the subfield of Medicinal & Biomolecular Chemistry.

PATENTS

- Quaternized amino glucosamine compound for exerting anticancer effect (USA patent: PCT-KR2006-003671)
- Carboxylated glucosamine compounds for inhibiting the activation and expression of matrix metalloproteinase-9 in human fibrosarcoma cells and matrix metalloproteinase-9 inhibitors containing the same. (USApentent: PCT-KR2006-003670)

ACADEMIC FELLOWSHIPS AND SCHOLARSHIPS

- KOTEF (Korea Industrial Technology Foundation) Fellowship for development of biological active substances from fisheries processing wastes (2003 - 2005).
- MOMAF (Ministry of Maritime Affairs & Fisheries) Fellowship for development of functional fish sauce from Alaska Pollack processing wastes (2002 - 2003).

- Scholarship Awarded for the Best Academic Performances by Pukyong International Graduate Student Scholarship Program, (2002 - 2004).
- Brain Korea 21 Fellowship for graduate studies awarded by Korean Research Foundation (2002 - 2004).

RESEARCH GRANTS & PROJECTS

- Surveillance of aflatoxins in rice and coconut oil from selected suppliers in Sri Lanka and possibility of using ozonation to reduce its toxicity, University of Peradeniya Research Grant 2016.
- Development of new bioactive materials for allergy from marine bioresources. Research grant of the Marine Bio 21 project (Marine Bioprocess Research Center) funded by the Ministry of Maritime Affairs & Fisheries, Republic of Korea. (Jan ~ July 2007: Senior Researcher)
- Research and development of bioprocessing and biotechnological techniques for bioactive and functional materials and products derived from marine organisms. Research grant of the Marine Bio 21 project (Marine Bioprocess Research Center) funded by the Ministry of Maritime Affairs & Fisheries, Republic of Korea. (2004 ~ 2006: Researcher)
- Research and development of bioactive materials from marine bioresources. Research grant of the Marine Bio 21 project (Marine Bioprocess Research Center) funded by the Korean Research Foundation. (2002 ~ 2004: Researcher)

SCHOLARLY PUBLICATIONS

PEER REVIEWED JOURNAL ARTICLES

34. Gamagedara N., **Mendis E.**, Wijesinghe N. (2020), Effectiveness of 'Mother Supportive Group' intervention on childhood nutrition improvement in Monaragala District of Sri Lanka, Journal of the College of Community Physicians of Sri Lanka, 26(2); 94-103. (doi.org/10.4038/jccpsl.v25i4.8223)
33. Gamagedara N., **Mendis B.E.P.**, Wijesinghe N. (2020), Evaluating implementation fidelity of "Mother Supportive Group" intervention to improve childhood nutrition in Monaragala District of Sri Lanka, Tropical Agricultural Research, 31(3); 83-94. (doi.org/10.4038/tar.v31i3.8399)
32. Pinnaduwa A.U., **Mendis B.E.P.**, Samarajeewa U. (2018), A comparative study of Sri Lankan food controlling infrastructure with that of developed countries, Sri Lanka Journal of Agricultural Sciences, 55: 32-48. (Journal ISSN No. 1013-8137)
31. Cho Y.S., Jung W.K., Lee S.H., **Mendis E.**, Kim S.K. (2009), A novel visceral excitatory neuropeptide from the brain tissue of cloudy dogfish (*Scyliorhinus torazame*), Food Chemistry, 115(4):1306-1311. (doi.org/10.1016/j.foodchem.2009.01.048)
30. Gamagedara N., **Mendis E.**, Wijesinghe N. (2020), Effectiveness of 'Mother Supportive Group' intervention on childhood nutrition improvement in Monaragala District of Sri

- Lanka, Journal of the College of Community Physicians of Sri Lanka, 26(2); 94-103. (doi.org/10.4038/jccpsl.v25i4.8223)
29. Gamagedara N., **Mendis B.E.P.**, Wijesinghe N. (2020), Evaluating implementation fidelity of “Mother Supportive Group” intervention to improve childhood nutrition in Monaragala District of Sri Lanka, Tropical Agricultural Research, 31(3); 83-94. (doi.org/10.4038/tar.v31i3.8399)
 28. Pinnaduwa A.U., **Mendis B.E.P.**, Samarajeewa U. (2018), A comparative study of Sri Lankan food controlling infrastructure with that of developed countries, Sri Lanka Journal of Agricultural Sciences, 55: 32-48. (Journal ISSN No. 1013-8137)
 27. Cho Y.S., Jung W.K., Lee S.H., **Mendis E.**, Kim S.K. (2009), A novel visceral excitatory neuropeptide from the brain tissue of cloudy dogfish (*Scyliorhinus torazame*), Food Chemistry, 115(4):1306-1311. (doi.org/10.1016/j.foodchem.2009.01.048)
 26. Kim M.M., **Mendis E.**, Rajapakse N., Lee S.H., Kim S.K. (2009), Effect of spongin derived from *Hymeniacidon sinapium* on bone mineralization, Journal of Biomedical Materials Research. (Part B, Applied Biomaterials) 90(2); 540-546. (doi.org/10.1002/jbm.b.31315)
 25. **Mendis E.**, Kim M.M., Rajapakse N., Kim S.K. (2009), The inhibitory mechanism of a novel cationic glucosamine derivative against MMP-2 and MMP-9 expressions, Bioorganic & Medicinal Chemistry Letters, 19(10); 2755-2759. (doi.org/10.1016/j.bmcl.2009.03.126)
 24. **Mendis E.**, Kim M.M., Rajapakse N., Kim S.K. (2008), Suppression of cytokine production in lipopolysaccharide-stimulated mouse macrophages by novel cationic glucosamine derivative involves down-regulation of NF- κ B and MAPK expressions, Bioorganic & Medicinal Chemistry, 16 (18); 8390-8396. (doi.org/10.1016/j.bmc.2008.08.037)
 23. Kim M.M., **Mendis E.**, Kim S.K. (2008), Laurenciaokamurai extract containing laurinterol induces apoptosis in melanoma cells, Journal of Medicinal Food, 11(2); 260-266. (doi.org/10.1089/jmf.2007.575)
 22. Rajapakse N., Kim M.M., **Mendis E.**, Kim S.K. (2008), Inhibition of iNOS and COX-2 in LPS-stimulated RAW264.7 cells by carboxybutyrylated glucosamine takes place via down-regulation of MAPKs-mediated NF- κ B signaling. Immunology, 123; 348-357. (doi.org/10.1111/j.1365-2567.2007.02683.x)
 21. **Mendis E.**, Kim M.M., Rajapakse N., Kim S.K. (2008), Sulfated glucosamine inhibits oxidation of biomolecules in cells via a mechanism involving intracellular free radical scavenging, European Journal of Pharmacology, 579; 74-85. (doi.org/10.1016/j.ejphar.2007.10.027)
 20. Rajapakse N., **Mendis E.**, Kim M.M., Kim S.K. (2007), Sulfated glucosamine inhibits MMP-2 and MMP-9 expressions in human fibrosarcoma cells, Bioorganic & Medicinal Chemistry, 15; 4891-4896. (doi.org/10.1016/j.bmc.2007.04.048)
 19. **Mendis E.**, Kim M.M., Rajapakse N., Kim S.K. (2007), An in vitro cellular analysis of the radical scavenging efficacy of chitoooligosaccharides, Life Sciences, 80; 2118-2127. (doi.org/10.1016/j.lfs.2007.03.016)
 18. Kim M.M., **Mendis E.**, Rajapakse N., Kim S.K. (2007), Glucosamine sulfate promotes osteoblastic differentiation of MG-63 cells via anti-inflammatory effect, Bioorganic & Medicinal Chemistry Letters, 17; 1938-1942. (doi.org/10.1016/j.bmcl.2007.01.030)

17. Rajapakse N., Kim M.M., **Mendis E.**, Kim S.K. (2007), Inhibition of free radical-mediated oxidation of cellular biomolecules by carboxylatedchitooligosaccharides, *Bioorganic & Medicinal Chemistry*, 15; 997-1003. (doi.org/10.1016/j.bmc.2006.10.030)
16. Rajapakse N., Kim M.M., **Mendis E.**, Kim S.K. (2006), Carboxylatedchitooligosaccharides (CCOS) inhibit MMP-9 expression in human fibrosarcoma cells via down-regulation of AP-1, *Biochemica et BiophysicaActa* (General Subjects), 1760; 1780-1788. (doi.org/10.1016/j.bbagen.2006.08.021)
15. Senaratne L., **Mendis E.**, Kim S.K. (2006), Isolation and characterization of visceral excitatory neuropeptides from striped mullet (*Mugilcephalus* L.) brain, *Life Sciences*, 79; 1756-1763. (doi.org/10.1016/j.lfs.2006.06.015)
14. Kim M.M., Ta V.Q., **Mendis E.**, Rajapakse N., Jung W.K., Byun H.G., Jeon Y.G., Kim S.K. (2006), Phlorotannins in *Ecklonia cava* inhibits matrix metalloproteinases activity, *Life Sciences*, 79; 1436-1443. (doi.org/10.1016/j.lfs.2006.04.022)
13. **Mendis E.**, Kim M.M., Rajapakse N., Kim S.K. (2006), Carboxyderivatized glucosamine is a potent inhibitor of matrix metalloproteinase-9 in HT1080 cells, *Bioorganic & Medicinal Chemistry Letters*, 16; 3105-3110. (doi.org/10.1016/j.bmcl.2006.03.077)
12. Jung W.K., **Mendis E.**, Je J.Y., Park P.J., Son B.W., Kim H.C., Choi Y.K., Kim S.K. (2006), Angiotensin I-converting enzyme inhibitory peptide from yellowfin sole (*Limandaaspera*) frame protein and its antihypertensive effect in spontaneously hypertensive rats, *Food Chemistry*, 94; 26-32. (doi.org/10.1016/j.foodchem.2004.09.048)
11. Kim S.K., **Mendis E.** (2006), Application of membrane bioreactor technology for the development of bioactive substances from seafood processing byproducts- Review, *Journal of Marine Bioscience and Biotechnology*, 01; 9-21.
10. Huang R., **Mendis E.**, Rajapakse N., Kim S.K. (2006), Strong electronic charge as an important factor for anticancer activity of chitooligosaccharides (COS), *Life Sciences*, 78; 2399-2408. (doi.org/10.1016/j.lfs.2005.09.039)
9. Kim S.K., **Mendis E.** (2006), Bioactive compounds from marine processing byproducts- A review, *Food Research International*, 39; 383-393. (doi.org/10.1016/j.foodres.2005.10.010)
8. Huang R., **Mendis E.**, Kim S.K. (2005), Factors affecting the free radical scavenging behavior of chitosan sulfate, *International Journal of Biological Macromolecules*, 36; 120-127. (doi.org/10.1016/j.ijbiomac.2005.05.001)
7. Huang R., **Mendis E.**, Kim S.K. (2005), Improvement of ACE inhibitory activity of chitooligosaccharides (COS) by carboxyl modification, *Bioorganic & Medicinal Chemistry*, 13; 3649-3655. (doi.org/10.1016/j.bmc.2005.03.034)
6. **Mendis E.**, Rajapakse N., Byun H.G., Kim S.K. (2005), Investigation of jumbo squid (*Dosidicusgigas*) skin gelatin peptides for their in vitro antioxidant effects, *Life Sciences*, 77; 2166-2178. (doi.org/10.1016/j.lfs.2005.03.016)
5. Rajapakse N., **Mendis E.**, Byun H.G., Kim S.K. (2005), Purification and in vitro antioxidative effects of giant squid muscle peptides on free radical mediated oxidative systems, *Journal of Nutritional Biochemistry*, 16; 562-569. (doi.org/10.1016/j.jnutbio.2005.02.005)

4. Kim S.K., Park P.J., Jung W.K., Byun H.G., **Mendis E.**, Cho Y.I. (2005), Inhibitory activity of phosphorylated chitoooligosaccharides on the formation of calcium phosphate, *Carbohydrate Polymers*, 60; 483-487. (doi.org/10.1016/j.carbpol.2005.03.014)
3. Rajapakse N., **Mendis E.**, Jung W.K., Je J.Y., Kim S.K. (2005), Purification of a radical scavenging peptide from fermented mussel sauce and its antioxidant properties, *Food Research International*, 38; 175-182. (doi.org/10.1016/j.foodres.2004.10.002)
2. Rajapakse N., Jung W.K., **Mendis E.**, Moon S.H., Kim S.K. (2005), A novel anticoagulant purified from fish protein hydrolysate inhibits factor XIIa and platelet aggregation, *Life Sciences*, 76; 2607-2619. (doi.org/10.1016/j.lfs.2004.12.010)
1. **Mendis E.**, Rajapakse N., Kim S.K. (2005), Antioxidant properties of a radical- scavenging peptide purified from enzymatically prepared fish skin gelatin hydrolysate, *Journal of Agricultural and Food Chemistry*, 53; 581-587. (doi.org/10.1021/jf048877v)

CONFERENCE PROCEEDINGS

59. Gamagedara N.S., **Mendis B.E.P.**, Wijesinghe D.G.N.G. (2019), Evaluation of implementation fidelity in “Mother Supportive Group” intervention to improve childhood nutrition in the district of Monaragala, Sri Lanka. *Proceedings of the 31st Annual Congress of the Postgraduate Institute of Agriculture (PGIA), University of Peradeniya, (21-22nd November, Peradeniya), University of Peradeniya, Sri Lanka, Vol: 31, 20 p*
58. Wedagedara H.M., Wanigasuriya W.A.G.I., Nissanka S.P., Mohotti A.J., **Mendis B.E.P.**, Botheju W.S. (2019), Detection of sugar adulteration in black tea and its impact on quality parameters, *Proceedings of the 22nd Peradeniya University International Research Sessions (iPURSE), (11-12th September, Peradeniya), University of Peradeniya, Sri Lanka, Vol: 22, 150 p*
57. Piyumika J.K.N., **Mendis B.E.P.**, Gunasekara D. (2019), Compliance and comparative study of spice export system in Sri Lanka. *Proceedings of the 22nd Peradeniya University International Research Sessions (iPURSE), (11-12th September, Peradeniya), University of Peradeniya, Sri Lanka, Vol: 22, 142 p*
56. Gunarathne K.M.R.U., **Mendis B.E.P.**, Silva A.B.G. (2019), Comparison of soxhlet and soxtec methods to determine the most efficient method for crude fat extraction of fast foods and suitability of the soxtec method for crude fat extraction at low temperatures, *Proceedings of the 22nd Peradeniya University International Research Sessions (iPURSE), (11-12th September, Peradeniya), University of Peradeniya, Sri Lanka, Vol: 22, 43 p*
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1. **Eresha Mendis**, Won-Kyo Jung and Se-Kwon Kim. Isolation and characterization of angiotensin I converting enzyme inhibitory peptides from yellowfin sole (*Limanda aspera*) protein. *6th International Marine Biotechnology Conference*, 2003 Sep 21-27, Chiba, Japan.

BOOKS

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1. **Mendis E., Rajapakse N.** (2009), GMP and HACCP handbook for small and medium scale food processing enterprises, The Ceylon Chamber of Commerce, Colombo 2, Sri Lanka, 1-67 pp, (ISBN: 978-955-604-037-1)

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6. Jayasekara C., **Mendis E.**, Kim S.K. (2020), Seafood in the human diet for better nutrition and health, In: Kim S.K. (Ed.), Encyclopedia of Marine Biotechnology, John Wiley & Sons, USA, 2939-2959 pp. (ISBN-10: 1119143772)
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3. Abeynayake R., **Mendis E.** (2014), Anti-aging & immunoenhancing properties of marine bioactive compounds, In: Kim S.K. (Ed.), Seafood Science, Advances in Chemistry, Technology and Applications, CRC Press, 261-275 pp. (ISBN: 978-1-4665-9582-8)
2. **Mendis E.**, Kim S.K. (2011), Present and future prospects of seaweeds in developing functional foods, In: Kim S.K. (Ed.), Advances in Food and Nutrition Research., Vol 64: (Marine Medicinal Foods: Implications and Applications, Macro and Microalgae), Academic Press, USA, 1-15 pp. (ISBN: 978-0-12-387669-0)
1. Kim S.K., **Mendis E.**, Shahidi F. (2008), Marine fisheries by-products as potential nutraceuticals: An overview, In: Barrow C., Shahidi F. (Eds.), Marine Nutraceuticals and Functional Foods, CRC Press, USA, 1-22 pp. (ISBN: 978-157-444-487-2)

RESOURCE PERSON

- **Speaker/Coordinator:** At the awareness webinar on: “Safe Food Now for Healthy Tomorrow” on the topic of Requirement of a Food Safety Policy to Ensure Food Safety In Sri Lanka (Organized by the Institute of Food Science and Technology in collaboration with WHO, to commemorate World Food Safety Day 2021), on 07th June 2021.
- **Guest Speaker:** on Recent Developments Towards the Risk-Based Food Safety Management in Sri Lanka, at the Silver Jubilee Annual Academic Sessions of the College of Community Physicians of Sri Lanka- 2020, 16-18th September 2020, in Colombo.
- **Resource Person:** Workshop on “Writing Journal Articles – The First Attempt”, and session on “Materials and Methods”. Organized by Agriculture Education Unit (AEU), Faculty of Agriculture, University of Peradeniya. This event was held on 20th June 2019 at Faculty of Agriculture. Participants included temporary staff members of the Faculty of Agriculture, University of Peradeniya.
- **Speaker/Coordinator:** At the awareness seminar on: “Food Regulatory System in Sri Lanka: Implications for Local and Export Food Trade” on the topic of Proposed improvements in the food regulatory system in Sri Lanka to promote local and export food

trade (Organized by the Institute of Food Science and Technology, Sri Lanka in parallel to ProFood /ProPack&Agbiz Exhibition 2018 at BMICH, on 03rd August 2018).

- **Resource Person:** Educational session on “Verbosity and abstracting” in the Pre-Conference Workshop on “Scientific Abstracting - Abstracting Science” at the 29th Annual Congress of PGIA held on 16th November 2017 targeting 85 Research students of Postgraduate Institute of Agriculture
- **Symposium Speaker:** Plenary lecture on Functional Foods and Nutraceuticals in Health Promotion, at Scientific Sessions of the Nutrition Society of Sri Lanka-2008, 25-26th January, in Colombo.
- **Speaker/Coordinator:** At the awareness seminar on: “Export Food Trade: Gaps, Potentials and Way Forward” on the topic of Our Food Safety and Quality Certification Systems vs. Global Challenges (Organized by the Institute of Food Science and Technology, Sri Lanka in parallel to ProFood /ProPack&Agbiz Exhibition 2017 at BMICH, on 04th August 2017)
- **Panel Member:** Workshop on Emerging Food Safety & Quality Risks South Asia: Challenges & Opportunities for Sri Lanka. Session I: Research & Innovation for Food Safety Management (Organized by Ministry of Primary Industries (MPI) and Institute of Policy Studies (IPS) in collaboration with the International Food Policy Research Institute (IFPRI) at Water’s Edge, Battaramulla Colombo, Sri Lanka on 8th -9th May 2017)
- **Speaker:** At the seminar “Peradeniya University and Sri Lankan Food Industry; The Inter-relationships” on Importance of Food Quality and Safety Certification in Meeting Global Regulatory Requirements. (Jointly organized by Institute of Food Science and Technology Sri Lanka and University of Peradeniya to commemorate the Diamond Jubilee of the University on 15th March 2017)
- **Workshop coordinator:** Training Seminar on Chemical Laboratory Accreditation: A Preparatory Guidance for Accreditation Against I SO 17025:2005 -2016, at Hotel Renuka, Colombo 03, Sri Lanka, on 25th-26th May 2016, organized by the Institute of Food Science and Technology, Sri Lanka
- **Workshop Coordinator:** Training Seminar on Microbiology Laboratory Accreditation: A Preparatory Guidance for Accreditation Against ISO 17025:2005 -2016, at Hotel Renuka, Colombo 03, Sri Lanka, on 24th February 2016, organized by the Institute of Food Science and Technology, Sri Lanka
- **Speaker/Coordinator:** At the Seminar on Food Regulations and Standards: National and International Perspectives on the topic of Importance of meeting the requirements under changing international food regulations and guidelines (Organized by the Institute of Food Science and Technology, Sri Lanka in parallel to ProFood/ProPack&Agbiz Exhibition 2016 at BMICH, on 12th August 2016)
- **Speaker /Coordinator:** At the Seminar on Addressing contamination problems in the food industry: Technical guidance” on the topic of Controlling Microbial Contaminations of Export Products with Special Reference to Fruits & Vegetables, Fish and Spices (Organized by the Institute of Food Science and Technology, Sri Lanka in parallel to ProFood /ProPack&Agbiz Exhibition 2015 at BMICH, on 08th August 2015)
- **Speaker:** Keynote address on Functional Foods and Disease Prevention, at International Conference on Food Safety and Nutrition-2015, 24-25th July, in Colombo.

- **Panellist/Coordinator:** Stakeholder Interactive Session on Food Safety Assurance in Local and Global Food Trade “Stakeholder Perspectives in Accreditation and Certification Framework in Sri Lanka and Suggestions for Betterment” (organized by the Institute of Food Science and Technology, Sri Lanka at Hotel Galadari, Colombo, on 13th March, 2015)
- **Panel Member:** Symposium on Food Regulations and Standards (organized by the Institute of Food Science and Technology, Sri Lanka at BMICH, Colombo in Parallel with Proffod/Propack Exhibition on 07th July 2012)
- **Invited Speaker:** At the public seminar on Role of Agriculture in Minimizing the Risk of Malnutrition in Sri Lanka (organized by the Organization of the Professional Associations of Sri Lanka, at OPA building, Colombo 07, on 23rd July 2010)
- **Trainer:** Training program on Good Manufacturing Practices for the staff of Ruhunu Foods Pvt. Ltd., Kundasale, Sri Lanka. (conducted by Ind-Expo Certification Pvt Ltd at Ruhunu Foods, Matale, Sri Lanka on 17th July 2010)
- **Trainer:** Training program on Good Manufacturing Practices for the staff of the Galadari Hotel, Colombo, Sri Lanka. (conducted by Ind-Expo Certification Pvt Ltd at Galadari Hotel, Colombo 03 Sri Lanka on 05th, 12th and on 19th July 2010)
- **Trainer:** Training program on HACCP for Food Establishments: A Practical Approach to Ensure Safe Food. (conducted by Ind- Expo Certification Pvt Ltd at Plastic & Rubber Institute, Narahenpita, on 04th June 2010)
- **Trainer:** Training program on Food Safety Management for the staff of the Dilmah Tea (Pvt) Ltd. Peliyagoda, Sri Lanka, on 01st Feb. 2010.
- **Trainer:** Training program on Food Safety and Hygiene for the Catering Industry. (conducted by Ind-Expo Certification Pvt Ltd at National Chamber of Exporters, Colombo 04, on 19th Jan. 2010)
- **Trainer:** Training program on HACCP for Food Establishments: A Practical Approach to Ensure Safe Food. (conducted by Ind- Expo Certification Pvt Ltd at National Chamber of Exporters, Colombo 04, on 26th Nov. 2009)
- **Resource Person:** Awareness program on Food Safety and Good Manufacturing Practices for the small and medium-scale enterprises in the food sector of the central province of Sri Lanka. (organized by the Ministry of Industrial Development and Sri Lanka Food Processors Association at Sampath Hall, Kandy, on 19th May 2009)
- **Resource Person:** Seminar on “Risk to human health: Toxins, allergens and other harmful impacts of genetically modified food” at the training program on “Risk assessment and risk management on genetically modified organisms, food, feed and processed products (GMO/FFPs) and use of clearing house mechanism of Cartagena protocol on biosafety” organized by Ministry of Environment and Natural Resources, Sri Lanka in collaboration with UNEP-GEF project. (18th -20th August, 2008 at Agricultural Biotechnology Center, University of Peradeniya)
- **Plenary Speaker:** Scientific Sessions of the Nutrition Society of Sri Lanka 2008, “Functional foods and nutraceuticals in health promotion” (at Hotel Jaj, Colombo, on 25th & 26th Jan. 2008).
- **Resource Person:** Workshop on Risk Assessment and Risk Management of GMO/GMF, “Assessment of risk to human health: Toxins and allergens” (organized by Agricultural Biotechnology Center, University of Peradeniya, on 13th Dec. 2007)

- **Resource Person:**World Food Day Seminar, “Healthy foods for a better life” (organized by Lions Club of Kandy, at PGIA, University of Peradeniya, on 16th Oct. 2007)

UNIVERSITY LEVEL CONTRIBUTIONS

- **Head:** Department of Food Science & Technology, Faculty of Agriculture, University of Peradeniya (since 2019)
- **Senior Treasurer:**Society of Food Science and Technology, University of Peradeniya (2017).
- **Secretary:**Faculty of Agriculture Undergraduate Research Symposium (FAuRS) (2017).
- **Session Chair:**Peradeniya University Research Sessions (PURSE) (2015 & 2017).
- **Editorial Board Member:** Faculty of Agriculture Undergraduate Research Symposium (FAuRS) (2015, 2016, 2018).
- **Member:** Board of Study in Food Science & Technology, Postgraduate Institute of Agriculture, University of Peradeniya (2013 - 2016 & 2019 - 2022).
- **Proposal Writer & Person-in-Charge:**Quality and Innovation Grant (QIG) of the B.Sc. in Food Science & Technology Degree Programme of the University of Peradeniya, funded by the World Bank and the Ministry of Higher Education Sri Lanka (2013-2015).
- **Faculty Nominee:** Organizing committee of the Peradeniya University Research Sessions (2011).
- **Senior Student Counsellor:**University of Peradeniya (2011 & 2018).
- **Social Secretary:**Alumni Association, Faculty of Agriculture, University of Peradeniya, (2011).
- **Organizing Committee Member:**Peradeniya University Research Sessions (PURSE) (2011)
- **Editorial Committee Member:**Peradeniya University Research Sessions (PURSE) (2011)
- **Faculty Coordinator:**ProfoodPropack Exhibition organized by the Food Processors Association of Sri Lanka in collaboration with the Ministry of Industrial Development (2010).
- **Secretary:**Research, Development and Ethical Review Subcommittee, Faculty of Agriculture, University of Peradeniya (2010-2011).
- **Secretary:**Alumni Association, Faculty of Agriculture, University of Peradeniya (2010).
- **Assistant Secretary:**Alumni Association, Faculty of Agriculture, University of Peradeniya (2009).
- **Secretary:** Organizing committee of the Faculty exhibition to celebrate “60 Years of Higher Education in Agriculture” (2008).

NATIONAL LEVEL CONTRIBUTIONS

15. **Steering Committee Member:** to develop Food Safety Policy in Sri Lanka (2019-2020)
14. **Expert on GM Food Safety:** Member of expert working group on GM food and feed safety for the implementation of Biosafety Framework of Sri Lanka for National Science Foundation, Sri Lanka (2019-2020)
13. **Local Expert on Food Safety & Hygiene:** to upgrade the knowledge and practices of food inspectors, public health inspectors and medical officers of health of Sri Lanka under a FAO funded project managed by Institute of Food Science & Technology, Sri Lanka (January 2019)
12. **Technical Expert on Food Safety:** to develop “Institutional and Stakeholder Mapping: Framework for Strategic Action Planning of Food Safety Policy Development in Sri Lanka” an initial working document to initiate National food safety policy development in Sri Lanka (A collaborative project of FAO and Ministry of Health, Sri Lanka) from 01st of March to 31st March 2018.
11. **Editorial Board Member:** Annals of the Sri Lanka Department of Agriculture (Vol. 20, 2018),
10. **Editorial Board Member:** NARA Journal of the National Aquatic Resources, Research & Development Agency (2016-2018)
9. **Technical Expert on GMP:** to write two books (English and Sinhala) on GMP for cinnamon manufacturers in Sri Lanka (A project of UNIDO from 01st February – 30th April 2016)
8. **Technical Expert:** on GMP to implement GMP certification at six cinnamon processing centers in Sri Lanka. Specific tasks included, gap analysis and identification of GMP requirements, implementation of requirements, conduct GMP training and manual preparation. (A project of UNIDO from 01st May – 31st August 2015)
7. **Technical Translator/ Writer (Sinhala):** of the book “Setting up and running a school Garden: A manual for teachers, parents and communities”. (A project of FAO, 15th September – 31st October 2015)
6. **Consultant & Partner:** for low cost information and communication technologies (ICTs) for knowledge mobilization among agricultural communities of practice (A project of LIRNEasia, 12 Balcombe Place, Colombo 08, Sri Lanka in 2012)
5. **International Expert on Microbiology:** to conduct gap analysis on the existing testing capacities of Souphanouvong University, Luang Prabang, Laos in the field of Microbiology and design the scope of testing and needs needed for the implementation of the hygiene mark in the catering sector of the Luang Prabang (A Project of UNIDO from 25th Nov – 31st December 2011)
4. **Member of the Expert Panel:** in the Working group on agricultural value chains & export potential of tea and fruits/vegetables in Sri Lanka. (A project of LIRNEasia, 12 Balcombe Place, Colombo 08, Sri Lanka in 2010)
3. **Local Expert on Food Safety & Hygiene:** to upgrade the knowledge and practices of food inspectors, public health inspectors and medical officers of health of Colombo municipal council of Sri Lanka on Microbiology & food safety, and food processing & preservation for

safety under a UNIDO funded project (Strengthening international certification capability in Sri Lanka with particular reference to social accountability standard (SA 8000) and food safety (HACCP/ISO 22000) standard) managed by the Ind- Expo Certification (Pvt) Ltd., Colombo, Sri Lanka (June 2009 – October 2009)

2. **Local Expert on Food Safety:** to conduct gap analysis to assess the compliance to ISO 22000 Food Safety Management system in food industries under the project “Strengthening international certification capability in Sri Lanka with particular reference to social accountability standard (SA 8000) and food safety (HACCP/ISO 22000) standard)” managed by the Ind-Expo Certification (Pvt) Ltd., Colombo, Sri Lanka (June 2009 – July 2009).
1. **Editorial Board Member:** Sri Lankan Journal of Agricultural Science, publish by the National Agricultural Society of Sri Lanka (2007-2009).

PARTICIPATION IN WORKSHOPS & TRAININGS

12. Workshop on *Food Safety Policy, Trade Standards, and SPS Harmonization* at Hotel Raddisson Blu Plaza, New Delhi, India conducted by United States Department of Agriculture (July 8-10th July 2019)
11. Workshop on *Enhancing Management Competencies of mid-level Universities Women Academics* at Global Towers Hotel, Colombo 06, Sri Lanka, organized by The University Grants Commission in collaboration with the Association of Commonwealth Universities (January 9-11th, 2017)
10. A Training program in *Facilitation in Workshops on Gender Equity and Equality* at Global Towers Hotel, Colombo 06, Sri Lanka, organized by The University Grants Commission in collaboration with the Association of Commonwealth Universities (January 5-6th, 2017)
9. *Food Safety Control Systems- Stakeholder Validation Workshop* at Taj Samudra Hotel, Colombo, Sri Lanka, organized by the FAO country office Sri Lanka (March 03rd, 2016)
8. Conference on “*Food Safety Science, Evidence & Regulations*”, in Colombo, Sri Lanka organized by the International Life Sciences Institute- India (ILSI) in collaboration with the Health Ministry of Sri Lanka (May 20-21st, 2011)
7. IRCA (International Register of Certificated Auditors) approved 5 day *Lead Auditor Course on Food Safety Management Systems based on ISO 22000:2005* (from 02nd– 06th May 2011) conducted by the Det Norske Veritas
6. Training program on “*Level 4 Award in Managing Food Safety in Catering of the Chartered Institute of Environmental Health (UK)*” (at Plastic & Rubber Institute, Narahenpita, from 04th - 07th May 2009) conducted by UNIDO in association with Ind-Expo Certification (Pvt) Ltd., Sri Lanka.
5. Workshop on “*Enhancement of Management Capabilities*”, (at Agric. Biotechnology Center, University of Peradeniya, Sri Lanka, on 21st & 22nd Dec. 2008) organized by IRQUE Project & Faculty of Agriculture, University of Peradeniya.
4. Training program on “*GlobalGAP*” (at Galle Face Hotel, Colombo on 10th June 2008), organized by UNIDO in association with IndExpo Certification (Pvt) Ltd., Sri Lanka.
3. Workshop on “*Human Resource Development*” (at Gal-Bungalow, Mahakanda, Peradeniya

on 04th& 05th Dec. 2007), organized by IRQUE project && Faculty of Agriculture, University of Peradeniya.

2. Third national convention on quality “*Competitiveness through Quality Management*” (at Taj Samudra Hotel, Colombo, on 21st& 22nd Nov. 2001), organized by Sri Lanka Association for Quality.
1. A seminar on “*Quality and Safety Assurance Systems in Food Industry*” (on 31st Aug. 2001), organized by Sri Lanka Standards Institution, Colombo.

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

- **Editor:** Institute of Food Science and Technology, Sri Lanka (2018)
- **President:** Institute of Food Science & Technology Sri Lanka, (2016)
- **Executive Committee Member:** Institute of Food Science & Technology Sri Lanka, (since 2011)
- **Member:** National Agricultural Society of Sri Lanka, (since 2008)
- **Member:** Nutrition Society of Sri Lanka, (since 2008)
- **Member:** Applied Statistics Association of Sri Lanka, (since 1999)



Prof. B.E.P. Mendis