

## Curriculum Vitae

**Prof. (Mrs.) MRJC Chandrakantha Mahendranathan**



### 1. Personal details:

**Name with initials** : M R J C Mahendranaathan  
**Full name** : Marina Rose Josephin Chandrakantha Mahendranaathan  
**Date of Birth** : 1965.05.08  
**Nationality** : Sri Lankan  
**Religion** : Roman Catholic

**Postal Address** :  
**Official** **Private**

*Department of Botany,  
Eastern University, Sri Lanka  
Chenkalady,  
Telephone: 065-2240590 Ext.203  
Fax: 065-2240758*

*No.21, Fattimagiri Lane,  
Thandavanvelli,  
Batticaloa,  
065-2224636  
0772 516 404*

**E-mail:** [chandrakantha@esn.ac.lk](mailto:chandrakantha@esn.ac.lk)  
[mjchandrakantha@gmail.com](mailto:mjchandrakantha@gmail.com)

### 2. Current Position

- **Associate Professor in Botany, Department of Botany, Faculty of Science, Eastern University, Sri Lanka since 01.10.2021.**
- Engaging in teaching and research since 27.01.1997 and have completed 27 years of service at Eastern University, Sri Lanka.

## **7. Educational/Professional Qualifications:**

- **PhD** (2014 -EUSL and Cranfield University, UK, Commonwealth -split-site Scholarship).
- **M.Phil (2003)** - Postgraduate Institute of Science, University of Peradeniya, Sri Lanka.
- **B.Sc. Special Degree (Hons. in Botany, 1995)**, Eastern University, Sri Lanka.
- **Certificate in Teaching in Higher Education**, Staff Development Center, University of Colombo, Sri Lanka (1999).
- **Three months overseas training in “Laboratory Management and Food Analysis”** in Shri Shivagi University, Kollapur, India.

## **8. Work Experiences at the Eastern University**

- 1. Associate Professor in Botany since 01.10.2021 to till to date.**
- 2. Senior Lecturer Gr. I from 10.05.2009 to 18.03.2020 and 30.09.2020 to 30.09.2021 (12 Years).**
- 3. Senior lecturer, Gr. II from 10.05.2003 to 09.05.2009 (06 years)**
- 4. Lecturer Probationary from 27. 01. 97 to 09.05.2003. (06 years)**
- 5. Temp. Assistant Lecturer from 10. 01. 96 to 26. 01. 1997.**
- 6. Temp. Demonstrator from, 14. 06. 95 to 09. 01. 96.**

## **10. Administrative Positions, held within the EUSL**

- **Head of the Department of the Botany, Faculty of Science, EUSL.**
- **Director, Centre for External Degrees and Extension Courses (CEDEC), Eastern University, Sri Lanka from 01.11.2015 31.10.2018.**
- **Director of the Centre for Information and Communication Technology (CICT) / Eastern University from 02.05.2012 to 02.05.2013.**
- **Director/Career Guidance Unit at Eastern University from 09. 07. 2004 – 30. 09. 2008.**

- Deputy Coordinator for UDG (University Development Grant)/ Information Communication Technology (ICT) to the Operational Technical Secretariat (OTS) of the Higher Education for Twenty first Century (HETC) project, EUSL from 01.10.2012 to 30.05.2013.
- Faculty nominee to the Senate as the Faculty Representative from 05.11.2012 for three years.
- Faculty nominee to the Senate as the Faculty Representative from 04.06.2003 to 30. 05. 2006.
- Coordinator for M.Sc. in Science Education programme, Faculty of Science, EUSL from September and 15.02.2006 – 30. 09. 2008.
- Students Counsellor from 01. 02. 2001 – 10. 06. 2007 and from 01.08.2015.
- Chief Counsellor of the Catholic Association, Eastern University, from 01.03. 2004 – 30.11. 2006.
- Coordinator for “Reproductive Health and Counselling programme” for Faculty of Science under UNFPA project of the University Grant Commission, Sri Lanka during the year 2006/2007.
- Person-in-Charge for Students Counseling programme of the ‘Social Harmony” component of Eastern University, under the IRQUE (Improving Relevancy and the Quality of Undergraduate Education) project of World Bank from 01. 02. 2004 to 01. 03. 2006.
- Coordinator/Dept. of Botany and carried out the Academic and Administrative works from 1<sup>st</sup> of February, 2001 to 1<sup>st</sup> of February, 2002.

### **3. Other Positions, held at EUSL;**

- ✓ Member of the Senate, EUSL
- ✓ Member of the Faculty Board of Science, EUSL
- ✓ Member of the Faculty Curriculum Development Committee, faculty of Science, EUSL  
Member of the faculty Quality Assurance Cell, EUSL.
- ✓ Member of the Board of Study of the Faculty of Science, Faculty of Graduate Study, EUSL Faculty Coordinator, Gender Equity and Equality Cell (GEE) Faculty of Science, EUSL Member of the Higher Degree Committee, Faculty of Science, EUSL

- ✓ Resource Person, Staff Development Centre, EUSL
- ✓ Visiting Lecturer, Faculty of Technology, EUSL
- ✓ Visiting Lecturer, Faculty of Agriculture, EUSL
- ✓ Resource Person for “Promoting the Organic farming” at the Eastern Province towards the National Policy, Sri Lanka in 2021.
- ✓ Vice-President, Teachers’ Association of Eastern University, Sri Lanka (2019/2020)
- ✓ President, Senior Common room Society, EUSL (2019/2020)
- ✓ Provincial Consultant of District Governor for Eastern Province for the Lions District - 306 C2 of International Lions Clubs 2019/2020)

#### **4. Positions, held at NATIONAL LEVEL;**

1. President of the Sri Lanka Association for Mycology and Plant Pathology (SLAMPP) in 2024-2026.
2. President, Sri Lanka Universities Sports Association (SLUSA), affiliated to World Universities Sports Federation, Asian Universities’ Sports Federation and South Asian Universities Sports Federation) from 2019 to 2020.
3. Exco member of the Organization for Women in Science Development (OSWD) - National Chapter of Sri Lanka 2024/2025
4. Vice-President, Federation of University Teachers’ Association, Sri Lanka (2019/2020).

#### **9. Community Involvement and achievements in social activities**

- a. Charter President-International Lions Club/ Eastern University Campus Lions Club -District-306, C2- 2006/07
- b. District Governor’s Special Programme Co-ordinator for “Women’s Empowerment and child development - Lions Clubs International District 306C2 – 2008/2009
- c. Zone chairperson – Lions Clubs International District 306 C2 -2012/13
- d. Region chairperson – Lions Clubs International District 306C2 – 2014/15
- e. Region Advisor – Lions Clubs International District 306 C2 – 2017/18
- f. Consultant/Eastern Province for Governor/International Lions Club District 306-C2 2019/20

- g. Chief Consultant of the District Governor-Lions District 306-C2, for the Eastern Province at present. It is the top most position of the Province in the Lions clubs administration. This has been achieved due to my 16 years social service as a member of the International Lions club.

## Research Interests

- ✓ Plant Pathology
- ✓ Postharvest Pathology and Technology
- ✓ Industrial and Environmental Microbiology
- ✓ Food Microbiology

## 11. Research publications

### II. Full research papers

1. Jonathan F.T., and Mahendranathan C. (2025). Evaluation of antibacterial activity of four medicinal plants leaf extracts against *Pectobacterium* sp. causing soft rot in tomato. Journal of Science (2025), Vol. 15(02): p.1-15. DOI: [10.4038/jsc.v15i2.70](https://doi.org/10.4038/jsc.v15i2.70)
2. Jonathan F.T., and Mahendranathan C. (2024). Impact of Climate Change on Plant Diseases. AGRIEAST 2024 Vol.18 (1): pp. 1-17. DOI: <https://doi.org/10.4038/agrieast.v18i2.133>
3. Nawananda, P.H.R.S. and Mahendranathan, C.(2024). New record of *Fusarium* leaf spot disease of *Philodendron hastatum*, an ornamental plant. Journal of Science (2024), Vol. 15, No. 01, p 16 – 25. DOI: <https://doi.org/10.4038/jsc.v15i1.69>
4. Jonathan F.T., and Mahendranathan C. (2024). In Vitro Antifungal Activity of Selected Plant Extracts Against Mango Stem End Rot Pathogen: *Lasiodiplodia Theobromae*. AGRIEAST 2024 Vol.18 (1): pp. 42-50. DOI: <https://doi.org/10.4038/agrieast.v18i1.131>.
5. Abhayarathna AHYG and Mahendranathan C. (2024). In-vitro antibacterial activity of *Boerhavia diffusa* leaf extract against *Staphylococcus aureus* and *Escherichia coli*. Ceylon Journal of Science 53 (1) 2024: 45-49. DOI: <http://doi.org/10.4038/cjs.v53i1.8314>.
6. Jayathilake, N.H.A.M., Arasaretnam, S. and Mahendranathan, C., 2022. Synthesis, characterisation, ion chelation exchange capability and antibacterial properties of the o-cresol-formaldehyde-catechol-based copolymer. Vingnanam Journal of Science, 17(2), pp.9–17. DOI: [10.4038/vingnanam.v17i2.4217](https://doi.org/10.4038/vingnanam.v17i2.4217)

7. Nawananda, P.H.R.S. and Mahendranathan, C., 2022. New record of anthracnose disease in leaves of *Plumeria pudica* in Sri Lanka. Vavuniya Journal of Science, 1(2):56-60. DOI: [10.4038/vjs.v1i2.14](https://doi.org/10.4038/vjs.v1i2.14)
8. Mahendarnathan C. (2021). Influence of deficit irrigation in enhancing the Postharvest quality of vegetables. International Journal of research Publication. 83(1). DOI: [100831820212175](https://doi.org/10.10831820212175). <https://ijrp.org/paper-detail/2175>
9. Mahendranthan C and Abhayarathne (2021) Efficacy of different solvent extracts from the aerial parts of *Costus speciosus* (Koen.) for the potential antibacterial activity against selected human pathogenic bacteria (2021). International Journal of research Publication. 7(1).pp. 130 – 137. DOI: [10.47119/IJRP100771520211937](https://doi.org/10.47119/IJRP100771520211937)
10. Priyashantha AKH, Mahendranathan C. (2021). Biosurfactants: An Alternative Approach to Synthetic Surfactants. International Journal of Research and Review.; 8(2): pp. 550-565.
11. Mahendrarajah, H., Krishanthiny, K. and Mahendranathan, C., (2020). Antibacterial activity and preliminary screening of phytochemicals of locally available Green Leafy Vegetables in Batticaloa district, Sri Lanka. AGRIEAST: Journal of Agricultural Sciences, 14(2), pp.9–16. DOI: [http://doi.org/10.4038/agrieast.v14i2.93](https://doi.org/10.4038/agrieast.v14i2.93)
12. Priyashantha, KHA and Mahendranathan, C (2020). Traditional uses of medicinal plants in Sri Lanka with special reference to Herbal drinks: A Review. Journal of Biology and Nature. 11(2); 1-13. <https://ikprpress.org/index.php/JOBAN/article/view/5057>.
13. Thayalan, S, Priyashnatha, AKH and Mahendranathan C. (2020). A preliminary survey on postharvest challenges of small-scale farm holders of mango (*Mangifera indica* L) of Batticaloa district, Sri Lanka; Status and requirement. International Journal of Engineering Applied Sciences and Technology, Vol. 4, Issue 11, ISSN No. 2455-2143, Pages 289-295. DOI: 10.33564.
14. Priyashantha, KHA and Mahendranathan, C (2020). Heavy Metal Contamination and Accumulation in Groundwater and Food Crops in Sri Lanka: A Review. Vingnanam Journal of Science, 14(2), p.1-7. DOI: [10.4038/vingnanam.v14i2.4151](https://doi.org/10.4038/vingnanam.v14i2.4151)
15. Hasith Priyashantha, AK., Krishanthiny K, Mahendranathan C, (2020). Pre and Post-Harvest Losses of Cashew (*Anacardium occidentale* L.) In Batticaloa District, Sri Lanka; Preliminary Investigation of the Causes , International Journal of Research Publication Vol.43, (1); 1-8. DOI: 100431122019874.<http://ijrp.org/paper-detail/875>
16. Mahendranathan, C., & Adikaram, N. K. B. (2019). Potassium silicate treatment enhances natural disease resistance in *Capsicum annuum* L. and reduces anthracnose disease development. Ceylon Journal of Science, 48(3), 251–259. DOI: [http://doi.org/10.4038/cjs.v48i3.7649](https://doi.org/10.4038/cjs.v48i3.7649)
17. Mahendranathan C. and Mahendrarajah H. (2019). Antibacterial activity and phytochemical properties of some selected medicinal plants from Batticaloa district. “Proceeding of 2nd International symposium on Agriculture-2019”, Eastern University, Sri Lanka. 117-125

18. Mahendranathan C., A.K.H Priyashantha (2018). Biotic Elicitors in Inducing Disease Resistance in Plants against Pathogen Infection: A Review. *Haya: The Saudi Journal of Life Sciences*, 2018; 3(11):650-654. DOI: [10.21276/haya.2018.3.11.1](https://doi.org/10.21276/haya.2018.3.11.1)
19. Mahendranathan C. and Kishani G. S. (2018) Assessing the drinking water Quality of locally available bottled water in Batticaloa District, Sri Lanka. *International Journal of Research in Medical and Basic Sciences*; 4 (10): Pp.16-29.
20. Mahendranathan C. and Thayaruban T., (2018). Evidences of Heavy Metal Contamination & Their Consequences in Sri Lanka with Special Reference to Agriculture: A Review. *International Journal of Research in Agriculture and Forestry*. Vol.5 (8), Pp. 14-20.
21. Mahendranathan, C. and Adikaram N K B (2018). “Enhancing the constitutive resistance in *Capsicum annum* L. fruits against anthracnose development”. *Phytopathology*: 108: (10s) pp.155. (Abs)
22. Samarasinghe, W.M.P., Sithambaresan, M. and Mahendranathan, C. (2018). Synthesis, Characterization and Evaluation of Antibacterial Activity of a New Phenylmethylidene Thiourea Derivative and Its Copper (II) Complex. *International Journal of Current Innovations in Advanced Research*,1(4): 58-67. <https://www.ijciar.com/index.php/journal/article/view/34>
23. Mahendranathan C, Terry LA & Adikaram NKB (2010). Biological elicitation of resistance against anthracnose in aubergine. *Acta Horticulturae* 877, p.1589-1595. <https://doi.org/10.17660/ActaHortic.2010.877.219>
24. Mahendranathan C. (2008). Potential of induced resistance in postharvest disease control of horticultural crops. *Journal of Plant Pathology*: Volume 90 (2- Supplement) August 2008, Book of Abstract, 9th International Congress of Plant Pathology, August 24-29, 2008 Torino, Italy. pp.507.

### iii. Conference/Symposium Proceedings – International

1. Mahendranathan, C and Kothai, K. (2025). “First Report of Anthracnose, Caused by *Colletotrichum gloesporioides* on *Hydrangea macrophylla* Leaves in Sri Lanka”. Proceedings of the 2nd International conference on Technological Research and innovation-2025”, Faculty of Technology, Eastern University, Sri Lanka, 23rd January, 2025. Pp. 23.
2. Jonathan F. T. and Mahendranathan C. (2025). Potential use of leaf extract of *Erythrina subumbrans* in postharvest disease management of potato. Proceedings of the First International Conference in Mycology and Plant Pathology, 2025; Sri Lanka Association for Mycology and Plant Pathology, 08th of Feb. 2025. pp.
3. Kirushananth N. and Mahendranathan C. (2025). Effect of hot water treatment in extending the storage life of tomato (*Lycopersicon esculentum*) cv. Bathiya. Proceedings of the First International Conference in Mycology and Plant Pathology, 2025; Sri Lanka Association for Mycology and Plant Pathology, 08th of Feb. 2025. pp. 10.

4. Mahendranathan, C and Kothai, K. (2025). First Report of Anthracnose, Caused by *Colletotrichum gloeosporioides* on *Hydrangea macrophylla* Leaves in Sri Lanka. Proceedings of 2nd International Conference in Technological research and innovations-2025; Faculty of Technology, Eastern University of Sri Lanka, 23rd January, 2025. pp. 24.
5. Mahendranathan C. (2024), "Drinking water quality and water-borne diseases in developing countries". Global Alliance for Rapid Diagnostics (GARD) forum-2024; College of Engineering, Michigan state University (MSU), USA.
6. Mahendranathan C. (2024). The persistent threat of emerging plant diseases to global food security and its economy. International Conference on "Microbiology Research: Current Challenges and Future Perspectives (ICMR: CCFP-2024)". Department of Microbiology, Bharathidasan University, Tiruchirappalli, India in collaboration with International Microbiologists Society, India. 9<sup>th</sup> to 11<sup>th</sup>, January, 2024.
7. Mahendranathan C. (2024). Bio-control strategy for fungal diseases in sustainable Agriculture: Eco-Economic Consideration. 3<sup>rd</sup> International Conference and Exhibition on Sustainability, Challenges and Opportunities in Global Sugar Industry, Vasantdada Sugar Institute (VSI), Pune, Maharashtra, India; 12<sup>th</sup> to 14<sup>th</sup> January, 2004.
8. Mahendranathan C (2021). "Reducing Postharvest Losses and extending availability of fruits and vegetables in developing countries". International e-conference on Postharvest disease management and value addition of horticultural crops. Division of Plant Pathology, ICAR, Indian Agricultural research Institute, New Delhi, India, 1820, August, 2021 (to be delivered the invited talk).
9. Mahendranathan C (2021). "Postharvest Losses of fruits and vegetables in developing countries". International conference in "Plants and Environment" (Virtual mode), organized by Department of Botany, Girraj Government College (A) in Collaboration with Council for Green Revolution, Hyderabad & Department of Botany, Telangana University, Nizamabad, India, February, 8, 2021. (Invited Speaker)
10. Mahendranathan C. (2020). "Antimicrobial activity of some selected Green Leafy Vegetables and medicinal plants from Eastern Province, Sri Lanka". One Day International Webinar on "Biologicals in Agriculture: Scope and Limitations" Jointly organized by Microbiologist Society, India & Badrinarayan Barwale Arts, Commerce and Science College, Maharashtra, India, 17<sup>th</sup> January, 29, 2020. (Invited Speaker).
11. Priyashantha AKH and Mahendranathan C. (2020). Anaerobic Soil Disinfestation (ASD) to Control the Phyto – pathogens. International Conference on "Biotechnology for Better Tomorrow -2020 (BTBT-2020), Maldives University, male, Maldives, 2223, February, 2020. (Invited Speaker).
12. Mahendranathan C. (2020). Antibacterial activity and Phytochemical constituents of some locally available green leafy vegetables in Sri Lanka". Second International Webinar on "Microbes and Neoteric Research (IWMNR-2020)" on 22nd December 2020 at Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu, India. (Invited Speaker).



13. **Mahendranathan, C.** (2020). "Exploring micro-biome interactions in environment". One week International online Faculty Development Programme on "Contribution of Biosciences in New Normal Life" (CBNNL– 2020), Department of Biotechnology, Post-Graduate Extension Centre, Periyar University, Tamilnadu, India, from 15.06.2020 to 21.06.2020, **(Invited Speaker)**.
14. **Mahendranathan C** and Priyashantha A K H (2020). "Traditional Uses of Medicinal Plants in Sri Lanka". International conference on "Bioengineering and Life-Sciences", held at New Arts, Commerce and Science College of the Pune University, Ahmednagar, Pune, Maharashtra, India from 11.02.2020 to 12.02.2020. (Invited Speaker).
15. **Mahendranathan C.** (2020). Education system in Sri Lanka. International Webinar on Policies for the Protection of Educational Rights. St. Xaviers College of Education, JESUIT Council for Education, Research and Technology, Bangalore, India. 19-22, October, 2020. **(Invited Speaker)**.
16. **Mahendranathan C.** (2020) Exploring Micro-biome interactions in Environment. One week International Virtual Faculty Development programme on "Contribution of BioSciences in New normal life (CBNNL-2020). Postgraduate extension center, Periyar university, Tamilnaadu, India. **(Invited talk)**.
17. **Mahendranathan, C.,** and Mahendrarajah H. **(2019)**. Antibacterial activity and phytochemical properties of some selected medicinal plants from Batticaloa district. "*Proceeding of 2<sup>nd</sup> International symposium on Agriculture-2019*", Eastern University, Sri Lanka. p.15.
18. Kishani, GS. and **Mahendranathan, C.** (2019). Physical and chemical quality of locally available bottled water in Batticaloa District, Sri Lanka. Proceedings of the 5<sup>th</sup> international conference on dry-zone agriculture, to be held from 19 to 20<sup>th</sup>, December, 2019, at the University of Jaffna, Sri Lanka.
19. **Mahendranathan C., A.K.H Priyashantha (2019)**. Heavy metal contamination and accumulation in ground water and food crops in Sri Lanka: A Review. (Invited talk). Proceeding of the International Conference on "Recent innovations n Biosustainability and Environmental Research-2019". 20-22, February, 2019. Annamalai University, India. Pp. 5.
20. **Mahendranathan C.** Kothai, K. **(2018)**. Turmeric (*Curcuma longa*) treatment as an Eco-friendly management in reducing the postharvest diseases of mango (*Mangifera indica* L.). Proceeding of the "3rd World Congress on Medicinal Plants & Natural Products Research and Pharmaceutical Education". 7:52. September 28 - 29, 2018, Chicago, USA.
21. **Mahendranathan C.** **(2018)**. The Evidences of Elevated Heavy Metal Accumulation in Food crops, Soil and Irrigation Water in Sri Lanka. Proceeding of the International Conference on "Microbial Technology for Better Tomorrow (ICMTBT-2018)". Dr. D. Y. Patil, New Arts, Commerce and Science College, Maharashtra, India, from 1719, February 2018, Maharashtra, **India. (Invited Speaker)**.

22. **Mahendranathan C. (2018).** Impact of deficit irrigation on the postharvest quality of Sweet pepper (*Capsicum annuum* L.) Proceeding of the International Conference on “Nanotechnology for Human Welfare (ICNHW-2018)”, from 1-3, February 2018, **Maharashtra, India, (Invited Speaker).**
23. **Mahendranathan C. (2017)** Controlling plant diseases using induced resistance. Proceeding of the “6th International conference on Recent trends in life Sciences (ICRTLS2017)”, Ahmednagar Jilha Maratha Vidya Prasarak Samaji’s New Arts, Commerce and Science College, Maharashtra, India, from 17-19, February 2018, India. from 29-30 December 2017, Maharashtra, **India. (Invited Speaker).**
24. **Mahendranathan C, Adikaram NKB and Jayasingam T (2016).** Enhancement of natural disease resistance of *Capsicum annuum* L. against anthracnose disease through selected postharvest treatments. Proceeding of the “9<sup>th</sup> Australasian Soil-borne Symposium”, held in Lincoln University, **New Zealand**, from 14-17, November, 2016.
25. **Mahendranathan C. and S.Thayalan (2016).** Alteration of Stem End Rot disease of local mango (*Mangifera indica*) cultivars through postharvest handling practices. Proceeding of the international conference on “Plant Research and Resource Management and 25<sup>th</sup> APSI Silver Jubilee Scientists Meet 2016”, held at the Tuljaram Chaturchand College, Savitribai Phule Pune University, **India.** 11<sup>th</sup> -13<sup>th</sup> February, 2016.
26. **Mahendranathan C. (2014).** Pre-and postharvest elicitor treatment and enhancing the natural disease resistance of chili (*Capsicum annuum* L.). Proceedings of the “International Conference on Biotechnology and Bioengineering (ICBB-2014), 2930th October, 2014, **Dubai.** Pp. 11.
27. **Mahendranathan C, Adikaram NKB (2013).** Anthracnose disease of Sri Lankan peppers (*Capsicum annuum*) caused by *Colletotrichum* Species. Proceedings of the 4<sup>th</sup> International Conference on ‘Biotechnology for Better Tomorrow (BTBT-2013), 1112, November, 2013, **Mauritius. (Received the “Best oral presenter” award).**
28. **Mahendranathan C, Wijesundera RLC and Adikaram NKB (2012).** Association of *Colletotrichum acutatum* in the Anthracnose Disease of Chilli (*Capsicum annuum* L.) in Sri Lanka. 3<sup>rd</sup> Global Conference, Indian Society of Mycology and Plant Pathology, 10-13 January 2012, Udaipur, **India.**
29. **Mahendranathan C, Wijesundera RLC and Adikaram NKB (2011).** First report of *Colletotrichum acutatum* on anthracnose of peppers (*Capsicum annuum*). Proceeding of the “4<sup>th</sup> Asian Conference of Plant Pathology concurrent with the 18<sup>th</sup> Biennial Australasian Plant Pathology Society Conference”, 26-29 April 2011, Darwin, NT, **Australia Pp119.**
30. **Mahendranathan C, Adikaram NKB, Terry LA (2009).** *Biological elicitation of resistance against anthracnose in aubergine.* 6th International Postharvest Symposium, 2009, 8 to 12<sup>th</sup> April, 2009, Antalya, **Turkey**, p. 80.

31. **Mahendranathan C (2007).** Elicitation of host natural disease resistance in aubergine against postharvest disease. Proceeding of the Asian Congress of Mycology and Plant Pathology, from 19-22, December, 2007, Hyderabad, **India** p. 238.
32. **Mahendranathan C (2007).** The extent and cause of postharvest losses in banana in the Eastern Province of Sri-Lanka. Proceeding of the Asian Congress of Mycology and Plant Pathology, from 19-22, December, 2007, Hyderabad, **India** p 293.
33. **Mahendranathan C (2005).** Biological stimulation of Phytoalexin as an approach for controlling anthracnose in aubergine. Proceeding of the “2<sup>nd</sup> Asian Plant Pathology Conference – 2005” (ACPP-2005), 25 to 28 June, 2005. **Singapore. P. 41.**
34. **Mahendranathan C and Adikaram NKB (2002).** Induction of Resistance in aubergine (*Solanum melongena* L.), against infection by *Colletotrichum capsici*, using a weak pathogen. Proceeding of the 1<sup>st</sup> Asian Conference on Plant Pathology, 25-28, August, 2000. **Beijing, China**, p 254.

#### iv. **Conference/Symposium Proceedings – National**

1. Jonathan F. T. and Mahendranathan C. (2024). Effect of different packaging materials on extending the shelf life and postharvest quality of tomatoes in refrigerated conditions. Proceedings of 13th Annual Science Research Session 2024, Faculty of applied sciences, South Eastern University of Sri Lanka, 6th November 2024. pp. 13.
2. Kirushananth N. and Mahendranathan C. (2024). Effect of packaging material on shelf-life extension of green beans under low temperature storage. Proceedings of 13th Annual Science Research Session 2024, Faculty of applied sciences, South Eastern University of Sri Lanka, 6th November 2024. pp. 14.
3. Jonathan F. T. and Mahendranathan C. (2024). *In vitro* Antifungal Activity of Selected Plant Extracts against *Lasiodiplodia theobromae*, causes Mango Stem End Rot. Proceedings of the 2<sup>nd</sup> Ruhuna International Conference on Innovation and Technology (RICIT 2024). Faculty of technology, University of Ruhuna, 1<sup>st</sup> of November, 2024.pp.44
4. Rishadi Rukshana Rathnayake RMRG and Mahendranathan C. (2023). Effects of wild sunflower (*Tithonia diversifolia*) and citronella grass (*Cymbopogon citratus*) biochar mixture on vegetative growth of tomato plant (*Solanum lycopersicum*). Proceedings of the 1<sup>st</sup> International Conference on Technological Research and Innovation; Eastern University, Sri Lanka. 27 September, 2023.
5. Kishani, G.S. and **Mahendranathan, C. (2019).** Physical and chemical Quality of locally available bottled water in Batticaloa District, Sri Lanka. Proceedings of the 5<sup>th</sup> International Conference on Dry-zone Agriculture, to be held from 19 to 20<sup>th</sup>, December, 2019, at the University of Jaffna, Sri Lanka.

6. Priyashantha A K H, Krishanthiny K., and **Mahendranathan, C. (2019)**. Pre and Post-Harvest Losses of Cashew (*Anacardium occidentale* L.) in Batticaloa District, Sri Lanka; Preliminary investigation of the causes. Proceedings of the 5<sup>th</sup> International Conference on Dry-zone Agriculture, to be held from 19 to 20<sup>th</sup>, December, 2019, at the University of Jaffna, Sri Lanka).
7. Mahendrarajah H., **Mahendranathan C.** and Krishanthiny K. (2019). Antibacterial activity and preliminary phytochemical analysis of locally available Green Leafy Vegetables. Proceedings of the 5<sup>th</sup> International Conference on Dry-zone Agriculture, to be held from 19 to 20<sup>th</sup>, December, 2019, at the University of Jaffna, Sri Lanka).
8. **Mahendranathan C.**, and Wijesundera RLC (2013). Characterization and pathogenicity of *Colletotrichum* species associated with anthracnose in Sri Lankan chilli pepper (*Capsicum annuum*) cultivars. Proceedings of the International Conference of the Eastern University, **Sri Lanka** (ICE-2013).
9. **Mahendranathan C**, Sinnaiah G (2006). Postharvest losses of banana in Batticaloa District and identifying the causal agents for major pathological diseases. Proceeding of the Annual Research Session, Eastern University, *Sri Lanka* p.17-23.
10. **Mahendranathan C**, (2005). Postharvest losses of brinjal and the causes of pathological diseases. Annual Research Session, Eastern University, **Sri Lanka** p.25-29.

## I. Book publications

1. **Mahendarnathan C.** and E.M.Maleesha Chamindri Ekanayaka (2021). “Bio fertilizers- A promising alternative to Chemical Fertilizer”. Lambert Academic Publishing, Chisinau-2068, Republic of Moldov.
2. **Mahendranathan C.** and Abhayarathne AHYG (2021). Antibacterial activities of Green leafy vegetables and Medicinal Plants; Lambert Academic Publishing, Chisinau 2068, Republic of Moldov a; ISBN: 978-620-3-85687-3.
3. Priyashantha, KHA and Mahendranathan, C (2020). Introduction to Microbiology. Oxford book company publishers, Jaipur, India.
4. Sithambaresan, M., Priyantha W.M., Samarasinghe and **Mahendranathan C. (2018)**. Phenylmethylidene Thiourea Copper Complex and Antibacterial Activity. Saarbrücken, German: Lap Lambert Academic Publishing.

## 2. Book Chapter

- i. **Mahendranathan C**, Jonathan, FT and Kirushananth N. (2025). Mushrooms as Bio-control agents: Alternative to chemicals. CRC Press (Taylor Francis Group) (accepted for publication and in press).

ii. Priyashantha, AKH., and **Mahendranathan, C.** (2021). “Paspanguwa”; A Traditional Sri Lankan Herbal Drink”. In; Guang Yih Sheu (2021). “New Ideas Concerning Science and Technology Vol. 9”. Book Publisher international. pp 90-96.

## 12. International Recognitions and Exposures;

Year	Country	Programme	Category
2024	USA	1. Chandrakantha Mahendranathan (2024), “Drinking water quality and water-borne diseases in developing countries”. Global Alliance for Rapid Diagnostics (GARD) forum-2024; College of Engineering, Michigan state University (MSU), USA.	Guest Speaker
	India	2. International Conference on “Microbiology Research: Current Challenges and Future Perspectives (ICMR: CCFP-2024)”. Department of Microbiology, Bharathidasan University, Tiruchirappalli, India in collaboration with International Microbiologists Society, India.	Guest Speaker
	India	3. 3 <sup>rd</sup> International Conference and Exhibition on Sustainability, Challenges and Opportunities in Global Sugar Industry, Vasantdada Sugar Institute (VSI), Pune, Maharashtra, India; 12 <sup>th</sup> to 14 <sup>th</sup> January, 2004.	Guest Speaker
2023	India	International conference on ‘Microbes for Sustainable Agriculture, Animal husbandry and Environment - MSAAHE-2023	Invited Speaker
2021	India	International e-Conference on “Microbes with Entrepreneurship”	Invited Speaker
2021	India	International e-conference on “ <i>Postharvest disease management and value addition of horticultural crops</i> ”. Division of Plant Pathology, ICAR, and Indian Agricultural research Institute, New Delhi, India, 18-20, August, 2021. pp. 138-139.	Invited Speaker
2021	India	International conference on “ <b>Bioengineering and LifeSciences</b> ”, held at New Arts, Commerce and Science College of the Pune University, Ahmednagar, Pune, Maharashtra.	Invited Speaker

<b>2020</b>	<b>Maldives</b>	International Conference on “Biotechnology for Better Tomorrow -2020 (BTBT-2020), Maldives University, Male, <b>Maldives</b> , 22-23, February, <b>2020</b> .	<b>Invited Speaker</b>
<b>2019</b>	<b>Annamalai University, India</b>	International Conference on “Recent Innovations in Bio-Sustainability and Environmental research	<b>Invited</b>

		(RIBER) - 2019	<b>Speaker</b>
2018	<b>Chicago, USA</b>	“3 <sup>rd</sup> world congress on Medicinal Plants and Natural Products Research”	<b>Invited Speaker</b>
2018	<b>Pune, India</b>	International Conference on “Microbial Technology for Better Tomorrow (ICMTBT-2018)	<b>Invited Speaker and Guest Lecture</b>
2018	<b>Pune, India</b>	International Conference on “Nanotechnology for Human Welfare (ICNHW-2018)	<b>Invited Speaker and Guest Lecture</b>
2017	<b>Pune, India</b>	6th International conference on Recent trends in life Sciences (ICRTLS2017)	<b>Invited Speaker</b>
2016	<b>New-Zealand</b>	9 <sup>th</sup> Australasian Soil-borne Symposium	<b>Oral Presentation of research paper</b>
2016	<b>Pune, India</b>	Plant Research and Resource Management and 25 <sup>th</sup> APSI Silver Jubilee Scientists Meet 2016	<b>Invited Speaker</b>
2014	<b>Dubai</b>	International Conference on “Biotechnology and Bioengineering”	<b>Invited Speaker</b>
2013	<b>Mauritius</b>	Biotechnology for Better Tomorrow (BTBT-2013)	<b>Oral presentation of research paper</b>  <b>(obtained best oral Presenter award)</b>

2009	<b>Turkey</b>	6th International Postharvest Symposium, 2009	<b>Oral presentation of research paper</b>
200809	<b>United Kingdom</b>	Commonwealth Scholarship	<b>PhD research</b>
2005	<b>Singapore</b>	2 <sup>nd</sup> Asian Plant Pathology Conference – 2005” (ACPP-2005)	<b>Oral presentation of research paper</b>
2004	<b>India</b>	Asian Development Bank scholarship	<b>International training programme (03 months)</b>

### ***13. International Examiner for PhD programme***

1. Savitribai Phule Pune University, Pune, Maharashtra, India
2. Islamic University, Bangladesh
3. Mangalore University - 2021

### ***14. Guest Lecturer – International***

- a. Guest Lecture under the theme of “International Seminar” at the S.M.Joshi College, Hadapsar, Pune-28.
- b. Guest lecture for the PG students in Microbiology at the “Changu Kana Thakur New Arts, Commerce and Science College, New Panvel, Pune, India on 30.01.2018.



## ***15. Reviewer – National and International***

- “Ceylon Journal of Science”, University of Peradeniya.
- *Journal of Environmental Biology* ([www.jeb.co.in](http://www.jeb.co.in))
- “Indian Phytopathology” – A peer Reviewed Journal, Springer Publication.
- VINGNANAM – Journal of Science, Faculty of Science, University of Jaffna.
- Journal of AGRIEAST, Journal of Agricultural Science, Eastern University, Sri Lanka.
- *Journal of Science*, Faculty of Science, EUSL
- “International Conference on Dry-Zone agriculture – 2019 (ICDA-2019)” Faculty of Agriculture, University of Jaffna.
- Rubber Research Institute (RRI), Sri Lanka -2019.
- 2016 – International Conference of Trincomalee Campus, Eastern University, Sri Lanka.
- 2015 - International Research Conference - Eastern University, Sri Lanka.
- Second Examiner and moderator for Plant Pathology and Industrial Microbiology, South Eastern University, Sri Lanka
- **Forward message for text book** - Aparna Gunjal, Meghmala Waghmode, Neha Patil and Pankaj Bhatt 2018. *Global Initiatives for Waste Reduction and Cutting Food Loss* (ISSN: 2326-9162; EISSN: 2326-9170; ISBN 13: 9781522577065; IGI Global, Hershey PA, USA.  
DOI: [10.4018/978-1-5225-7706-5](https://doi.org/10.4018/978-1-5225-7706-5)

## **16. Membership in Professional Organizations:**

1. **President** of the Sri Lanka Association for Mycology and Plant Pathology from March, 2024
2. Exco-member of National Chapter of Organization for Women in Science in Developing World
3. Alumni Member – Association of Commonwealth Universities, UK
4. Member- American Phytopathology Society (APS)
5. Member and Vice-President of Sri Lanka Association of Mycology and Plant Pathology (SLAMPP)
6. Member – Sri Lanka Society for Microbiology
7. Member – Microbiologists International, India
8. Alumni Member - EUSL
9. Charter Member- of the Sri Lanka National Chapter of “Organization for Women in Science for the Developing World (OWSD)”, Inaugurated by the OWSD on 29<sup>th</sup> March, 2018 at the Hilton Residence, Colombo, Sri Lanka.

## **17.National Contribution**

- a. Resource person for the “Organic Farming” of the Eastern Province, Sri Lanka.
- b. Reviewer for the “Accelerating Higher Education Development Expansion and Development (AHEAD) n for some state Universities.
- c. Resource person at the National Institute of Sri Lanka for the Teachers’ Training Programme for GCE-A/Level Teachers in Bio-Technology stream.
- d. Academic Trainer for the “Sustainable Consumption & Production” programme of the Ministry of Mahaweli Development & Environment, Sri Lanka for a project by SWITCH Asia Sustainable Consumption and Production (SCP) National Policy Support Component for Sri Lanka (NPSC) till early part of 2019.
- e. Chief Examiner for the GCE A/Level paper marking for Bio-Technology Stream in 2016 and Biology stream since 2021 till to date.

## **Community Engagement**

- I have been serving as a member and secretary of the St. Michael’s College National school since 2021.
- I have been a member of the International Lions Club for last 16 years and has been engaging in various positions due to my dedication in Social service activities including;
  - ✓ Charter President of the Eastern University, Lions Club (the name has been changed as the Campus Lions Club at present).
  - ✓ Zone Chairperson
  - ✓ Region Chairperson
  - ✓ Regional advisor
  - ✓ Provincial Consultant

## **19. Contribution to the development of the Department/University**

1. Member of the Editorial Board of the “University Calendar” of the EUSL.
2. Member of the Curriculum Evaluation Committee for the Dept. of Botany and Faculty of Science.
3. Establishment of a Water testing laboratory in 2008 with all the necessary equipment in the Department of Botany, Faculty of Science, Eastern University, Sri Lanka with the financial assistance of World Vision (INGO), Sri Lanka.
4. Contributed for the Social Harmony project of the IRQUE project (IBG) in designing the proposal and implementing the programme as the person-in-Charge for the Non-Violent Communication programme.

## **20. Community development programme**

1. Took the responsibility as the Director for External Degrees and Extension courses and have conducted certificate, Diploma and Degree courses

## **21. Overseas Conferences Training/Seminars/ participated.**

1. Completed one-year research work of the PhD programme under the Commonwealth Scholarship (split-site) programme in the United Kingdom from 01.10.2008 to 01.10.2009.
2. Participated the 6<sup>th</sup> International Postharvest Symposium in Antalya, Turkey (2009) and presented research paper.
3. Participated in the 1<sup>st</sup>, 2<sup>nd</sup> and 4<sup>th</sup> Asian Conference in Plant Pathology and also presented research papers in China (2002), Singapore (2005) and Darwin, Australia (2011) respectively.
4. Obtained merit pass in three months training in “Lab Management and Food Analysis” of Sri Shivaji University, Maharashtra, India from 1st of August to 30<sup>th</sup> of October, 2004, funded by the Asian Development Bank.
5. Participated in ten days International Intensive Training in “Non Violent Communication” held in Bangalore, India in 1<sup>st</sup> to 12<sup>th</sup>, Dec. 2004, under the IRQUE (Improving the Relevance and Quality of University Education) project.

## **22. Scholarship and Awards**

3. Commonwealth Scholarship for the Split-site PhD programme tenable at the United Kingdom for the year 2008.
4. Fully funded for the M.Phil. programme by the Eastern University, Sri Lanka from 1998 to 2000.
5. Asian Development Bank scholarship for three months overseas training programme in 2004.
6. Financial assistantship from National Science Foundation, Sri Lanka, for participating “2<sup>nd</sup> Asian Conference on Plant Pathology” at Singapore in 2005.

## 23. Referees

1. Prof.N K B Adikaram,  
Emeritus Professor in Botany,  
National Institute of Fundamental Studies (IFS),  
Peradeniya, Sri Lanka e-  
mail: [n.k.b.adikaram@gmail.com](mailto:n.k.b.adikaram@gmail.com)  
Mobile: +94(0) 777 646 451, +94 71 4914742
2. Prof. (Dr.) Arvind Madhavrao Deshmukh,  
President, Microbiologists Society International,  
India

What's app: +919822079782

Email: [amdeshmukh1@rediffmail.com](mailto:amdeshmukh1@rediffmail.com)

**The statements made by me herein are complete and true to the best of my knowledge and belief.**



Prof. (Mrs.) MRJ Chandrakantha Mahendranathan