

CURRICULUM VITAE



Anoma Janaki Mohotti (nee Kudagammana)

B Sc (Agric.) Ph D (Reading) F Biol. (SL) C Biol. (SL)

Contact details:

Official:

Department of Crop Science
Faculty of Agriculture
University of Peradeniya
Peradeniya 20400, SRI LANKA.
Telephone: 00 94 81 2395130
Fax: 00 94 81 2388041
E mail: mohottij@yahoo.com

Private:

No. 59, Uda Eriyagama
Peradeniya 20400
SRI LANKA
Telephone: 00 94 81 2388200

Mobile: 00 94 71 4300939

Date of birth: 07 February 1965

Sex: Female

Marital status: Married

Academic Qualifications:

Post Graduate:

University attended: **School of Plant Sciences, University of Reading, Reading, UK**
(Research component carried out at Rothamsted Experimental Station, Harpenden, UK)
Period: October 1994 - December 1998
Degree awarded: PhD (Plant Physiology)

Tertiary:

University attended: **Faculty of Agriculture, University of Peradeniya, Peradeniya, SRI LANKA**
Period: October 1984-January 1991
Degree awarded: B Sc (Agric.)
Grade obtained: Second Class (Upper Division) Honours

Secondary:

School attended: **Girl's High School, Kandy, SRI LANKA**
Period: January 1970-August 1983

CURRICULUM VITAE

Professional Qualifications:

Profession	Institution	Period
Professor	Department of Crop Science, Faculty of Agriculture, University of Peradeniya, Peradeniya, SRI LANKA	11 May 2020- todate
Senior Lecturer (Grade I)	Department of Crop Science, Faculty of Agriculture, University of Peradeniya, Peradeniya, SRI LANKA	11 August 2014 – 11 May 2020
Senior Lecturer (Grade II)	Department of Crop Science, Faculty of Agriculture, University of Peradeniya, Peradeniya, SRI LANKA	01 August 2008 - 10 August 2014
Head	Plant Physiology Division, Tea Research Institute, Talawakelle, SRI LANKA	March 2007 _ July 31 2008
Acting Head	Plant Physiology Division, Tea Research Institute, Talawakelle, SRI LANKA	July 2005 – March 2007
Senior Research Officer	Plant Physiology Division, Tea Research Institute, Talawakelle, SRI LANKA	December 1999 _ July 31 2008
Research Assistant	Plant Physiology Division, Tea Research Institute, Talawakelle, SRI LANKA	April 1992 - December 1999
Assistant Lecturer (Temporary)	Department of Crop Science, Faculty of Agriculture, University of Peradeniya, Peradeniya, SRI LANKA	February 1991 - March 1992

Current Research Interests:

Research and development on responses of physiological processes in relation to abiotic and biotic stresses in perennials; Physiology related to climate change in tea and other perennial crops; Plant nutrition; Scientific validations in responses of crops in sustainable, organic and low-input agriculture; Physiology of peeling in cinnamon; Physiology of tree roots; Mechanization of agronomic processes; Value addition of agricultural produce.

Research collaborations:

International:

1. ETH Zurich, Institute of Agricultural Sciences, Lindau, Switzerland
2. School of Biological Sciences, University of Bristol, UK.
3. Royal Botanical Gardens, Kew, UK.

Local:

1. Tea Research Institute of Sri Lanka
2. Department of Export Agriculture, Sri Lanka.
3. Coconut Research Institute, Lunuwila, Sri Lanka.
4. Department of Geology - Faculty of Science, University of Peradeniya, Peradeniya, Sri Lanka.
5. Plant Genetic Resource Centre, Gannoruwa, Peradeniya, Sri Lanka.

CURRICULUM VITAE

Research Grants:

1. Exploitation, characterization and conservation of existing coffee genetic resources as a base to develop future varieties and to develop agronomic packages, funded by University Research Council, University of Peradeniya. (Co-Investigator, Project ongoing)
2. Design and Implementation of Microenvironment Conditions for Tea and Ornamental Foliage Plants using Precision Agriculture Systems Powered by Solar Photovoltaics, funded by the National Research Council, University of Peradeniya. (Principal Investigator, Project ongoing)
3. Design and Implementation of Microenvironment Conditions for Tea and Ornamental Foliage Plants using Precision Agriculture Systems Powered by Solar Photovoltaics, funded by University Research Council, University of Peradeniya. (Principal Investigator, Project ongoing)
4. Can organic farming practices increase nitrogen (N) use efficiency and decrease N losses in mature tea (*Camellia sinensis* L. (O.) Kuntze) plantations in Sri Lanka? funded by Swiss National Science Foundation, Switzerland. (Principal Investigator, Project ongoing).
5. Improving drought resistance and water use efficiency of tea (*Camellia sinensis* L. (O.) Kuntze) in Sri Lanka, funded by QR GCRF Enhancing Knowledge Partnerships (EKP), UK. (Principal Investigator, Project ongoing).
6. Enhancing food literacy among Sri Lankan adolescents: Effect of school gardens in promoting healthy diets, behaviours and knowledge, funded by Nestle Foundation, Switzerland. (Co-Investigator, Project ongoing).
7. Agroforestry on tea and coconut plantations in Sri Lanka, funded by The Netherlands Enterprise Agency, The Netherlands (Project Team member, Project ongoing)
8. Use of *Artemisia vulgaris* (L) as an eco-friendly and economically-viable component in integrated management of weeds, insect and mite pests and nuisance pests in tea fields of Sri Lanka, Funded by National Research Council, Sri Lanka. (Co-Investigator, Project ongoing).
9. Current Status of infestation of parasitic plants on tree species of Sri Lanka and their physiological impacts on the host plants with special emphasis on Export Agricultural Crops, Funded by Research Facilitation Fund (RFF), PGIA, UoP, (Principal Investigator, Project ongoing).
10. Development of a Tea Plucking Machine- Under Accelerating Higher Education Expansion and Development (AHEAD) Operation Innovation Commercialization Enhancement (ICE) project, Funded by World Bank under the AHEAD Grant (Principal Investigator).
11. Policy Research in the area of agricultural land, project administrated through the Agribusiness Unit of the FoA, UoP, Agriculture Sector Modernization Project of the Ministry of Agriculture.
12. Impact of soil fertility and productivity of homegardens on family nutrition, funded by Nestle Foundation, Switzerland. (Principal Investigator).
13. Physiological Responses of tea (*Camellia sinensis* L. (O.) Kuntze) for Heat Stress under Organic and Conventional Cultivation. University Research Grant, UoP (Principal Investigator).
14. Severity and Effects of Parasitic Plant Infestation in Export Agricultural Crops and Fruit Crops in Sri Lanka. University Research Grant, UoP (Principal Investigator).
15. Histology of roots of different tea cultivars with varying degrees of tolerance to biotic stress, nematodes, University Research Grant, UoP (Principal Investigator)
16. Suitability of vermiwash as an alternative fertigation option for tea (*Camellia sinensis* (L.) Kuntze) and citrus (*Citrus aurantifolia* L.) in hydroponics. University Research Grant, UoP

CURRICULUM VITAE

(Principal Investigator)

Assignments / Positions:

1. Teaching:

1. Resource Person, Staff Development Centre, University of Peradeniya, Peradeniya
2. Resource Person, Staff Development Centre, Sabaragamuwa University of Sri Lanka
3. Member, Board of Study in Crop Science, Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka, 2012 -2015.
4. Member, Board of study in Agricultural Biology, Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka, 2003-2008.
5. Teaching panel member, Board of Study in Crop Science and Agricultural Biology, Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka, 2008 onwards
6. Visiting Lecturer in Plant/ Crop Physiology – Faculty of Agriculture, Uva Wellassa University, Badulla, Sri Lanka.
7. Visiting Lecturer in Crop Physiology – Faculty of Agriculture, Sabaragamuwa University, Belihuloya, Sri Lanka.
8. Resource Person – National Institute of Plantation Management, Sri Lanka

2. Editorial / Referee in Scientific Publications

Editorial:

1. Review Editor/ Editorial Board member, Plant Metabolism and Chemodiversity (specialty section of *Frontiers in Plant Science* and *Frontiers in Chemistry*) (2021 onwards)
2. Editor in Chief, *Tropical Agricultural Research* (2019-2020)
3. Editorial Board member, *Sri Lankan Journal of Biology* (2017 to-date)
4. Editor, *Scientia Horticulturae* (2012)
5. Editor, *International Journal of Agricultural Policy and Research* (2012)

Edited Scientific Publications:

1. Beneragama C., **Mohotti A.J.** and Dharmakeerthi S. (Eds.) (2019). *Tropical Agricultural Research* (Vol 32)
2. Beneragama C., **Mohotti A.J.** and Vitharana U. (Eds.) (2019). *Tropical Agricultural Research* (Vol 31)
3. S.A.C.N. Perera and **A.J. Mohotti** (Eds.) (2019). *Landscaping agroecosystems: A way forward for natural resource utilization*. Institute of Biology, Sri Lanka, 175pp, ISBN:978-955-8476-08-6.
4. Beneragama C. (Ed.) (2017). Mohotti J., Bandaranayake P., Kumara G.D.K. and Ariyaratne M. (Eds.). *Proceedings of the IV International Conference on Postharvest and Quality Management of Horticultural Products of Interest for Tropical Regions-PQMHP 2017-Kandy, Sri Lanka, 6-8 April 2017*, 62pp, ISBN: 978-955-589-231-5
5. Mohotti K.M. and **Mohotti A.J.** (Eds.) (2016). *Code of Ethics in Biological Research: A guide for Biologists*. Supplementary Booklet, 36th Annual Sessions of the Institute of Biology, Sri Lanka, September 2016, 36 pp. (ISBN 978-955-8476-06-2).
6. Mohotti K.M., Wijesinghe M.R., Perera I.C. and **Mohotti A.J.** (Eds.) (2013). *Biodiversity Indicators in Agricultural Systems: A Guide to Sustainable Farming*. Supplementary Booklet, 33rd Annual Sessions of the Institute of Biology, Sri Lanka, September 2013, 50 pp. (ISBN 978-955-8476-03-1).
7. De Costa W.A.J.M., Nissanka S.P., **Mohotti A.J.** and Weerakoon W.M.W. (2009).

CURRICULUM VITAE

Proceedings of the First National Congress on Global Climate Change and its Impacts on Agriculture, Forestry and Water in the Tropics. Held on 10-11 September 2009, Hotel Tourmaline, Kandy, Sri Lanka, Organized by the CDM Study Centre, Department of Crop Science, Faculty of Agriculture, University of Peradeniya, in collaboration with Ministry of Environmental and Natural Resources, Sri Lanka and United Nations Development Programme.

Reviewing of International Publications:

1. Frontiers in Biology
2. Annals of Botany, Bristol, UK.
3. Scientia Horticulturae
4. African Journal of Biotechnology
5. Journal of Agriculture and Biodiversity Research
6. International Forestry and Environmental Science Annual Symposium
7. International Symposium on Agriculture and Environment

Reviewing of Local Publications:

1. Journal of the National Science Foundation of Sri Lanka
2. Journal of Tropical Agriculture
3. Sri Lankan Journal of Biology
4. Sri Lankan Journal of Tea Science
5. Ruhuna Journal of Science
6. YSF Symposium, National Science and Technology Commission
7. 'COCOS' Journal, Coconut Research Institute of Sri Lanka
8. Proceedings, Annual Symposium of the Department of Agriculture (ASDA)
9. Proceedings, Symposium on Plantation Crop Research
10. International Symposium on Agriculture, Eastern University
11. Ruhuna International Science and Technology Conference
12. Annual Sessions of the Institute of Biology, Sri Lanka
13. Annual Academic Sessions of the Open University of Sri Lanka
14. Annual Symposium on Minor Export Crops (ASMEC)
15. International Symposium on Agriculture and Environment (ISAE)

3. Institutional:

1. President, Institute of Biology of Sri Lanka, 2018/19
2. Vice President, Institute of Biology of Sri Lanka, 2016-2018
3. Member, Quality Assurance Cell, Faculty of Agriculture, University of Peradeniya (2017-2018)
4. Senior Student Counsellor, Faculty of Agriculture, University of Peradeniya (2016, 2017, 2018)
5. Member, Curriculum Development Committee, University of Peradeniya, Peradeniya (2017, 2018)
6. Chairperson (2017, 2018)/ member, Student Advisory and Welfare Committee, Faculty of Agriculture, University of Peradeniya (2010 to-date)
7. Member, Board of Study in Crop Science, Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka, 2012 -2015.

CURRICULUM VITAE

8. Member, Board of study in Agricultural Biology, Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka, 2003-2008.
9. Chairperson (2010)/ member, Publications and Public Relations Committee, Faculty of Agriculture, University of Peradeniya (2009- 2014)
10. Chairperson (2014)/ Member, English Language Teaching Committee, Faculty of Agriculture, University of Peradeniya (since 2009 to-date)
11. Secretary, Peradeniya University Agriculture Faculty Teachers' Association (2010/ 2011)
12. Convenor/Secretary of the Experiments and Extension Forum, Tea Research Institute of Sri Lanka, from June, 2004 to August 2008
13. Member, Organizing Committee, Annual Congress since 2009, Postgraduate Institute of Agriculture, University of Peradeniya
14. Member, Organizing Committee, General Convocation, University of Peradeniya
15. Member, Board of Survey, Department of Crop Science, Faculty of Agriculture, University of Peradeniya, 2008, 2009, 2016, 2017, 2018

4. Other:

1. Reviewer, Research Grants, National Research Council of Sri Lanka
2. Reviewer, Research Grants, National Science Foundation of Sri Lanka
3. External Reviewer, Research Committee, Review Panel for the Plant Physiology Division, Coconut Research Institute, Lunuwila, Sri Lanka.
4. Expert on Technical Evaluation Committee, Rajarata University of Sri Lanka, Tea Research Institute of Sri Lanka.

Presidential Addresses/ Guest Speeches/ Invited Speeches:

1. Presidential Address, Annual Sessions of the Institute of Biology of Sri Lanka, held on 27th September 2019, Colombo
2. Invited Guest Speaker, First International Congress on Cocoa, Coffee and Tea Asia 2018, held in China, October 17-20, 2018.
3. Guest Speaker, International Symposium on 'Second Green Revolution: Priorities, programmes, social and ethical issues', 'Biospectrum 2009', Kerala, India, 2-4 July, 2009.

Extension, Training Programmes and Outreach Activities:

1. Resource Person, Study Abroad Training offered to the students of the Michigan State University, since 2012, Coordinator 2016 and 2018.
2. Resource Person, Study Abroad Training offered to the students of the University of Tasmania, 2017.
3. Convenor/Secretary of the Experiments and Extension Forum, Tea Research Institute of Sri Lanka, from June, 2004 to August 2008.
4. Resource person/ Coordinator, NIPM, 2017
5. Resource Person, Study Abroad Training offered to the students of the University of California Davis, 2015.
6. Trainer/ Guest Speaker at the 'Plantation Manager's Training on Disaster Risk Reduction and Climate Change Adaptation', Organized by OXFAM Great Britain, held at Swiss Residence, Bahirawakande, Kandy, on 30th & 31st January 2012.
7. Guest Speaker, National Symposium on 'Empowering the organic sector to respond to the modern demands in the tea sector', Organized by Rainforest Rescue International, Cinnamon Grand Hotel, Colombo, Sri Lanka, 21 July 2011.

CURRICULUM VITAE

8. Resource Person, SIDA International Training Programme on Climate Change, Organized by UNDP Sri Lanka, Geragama Estate, Pilimathalawa, Sri Lanka, 06 October 2010
9. Resource Person, Systematization Workshop, Organized by Café Direct Project and Oxfam GB Sri Lanka Programme, Kothmale Holiday Resort, Kothmale, Sri Lanka, 29 October 2011.

National Contributions:

1. Member, committee on the preparation of the guidelines for GAP certification for Ginger and Turmeric, Sri Lanka (2021)
2. Member of the team to prepare a 'Five-year Strategic Plan (2020-2025) for the Tea Sector', Ministry of Plantation Industries, Sri Lanka, 2019/ 2020.
3. Member, National Committee appointed by the Prime Minister, Sri Lanka on the expansion of cocoa cultivation in Sri Lanka, 2017.
4. President elect, Council of the Institute of Biology (IOB) of Sri Lanka (2018-2019).
5. Vice President, Council of the Institute of Biology (IOB) of Sri Lanka (2015-2018).
6. Council member, Institute of Biology (IOB) of Sri Lanka

Memberships:

1. Fellow/ Chartered member, Institute of Biology (IOB) of Sri Lanka.
2. Member, Sri Lanka Association for the Advancement of Science
3. Member, Lanka Organic Agricultural Movement

Professional Training:

1. Protected Agriculture and Sand Development Industry for Asian Countries, Organized by International Exchange Center of Yangling Agricultural Hi-Tech Industries Demonstration Zone, Yangling, China, 2-22 September 2015.
2. Interactive learning competency for higher education, International Centre for Development Oriented Research in Agriculture (ICRA), The Netherlands, 3-23 April 2013.
3. Induction Program for Academic Staff, Staff Development Centre, University of Peradeniya, October- December, 2009.
4. Outward bound training, Outward Bound Trust of Sri Lanka, 18-20 July, 2003.
5. Short course on computer applications and statistics, PGIS, University of Peradeniya, 9-11 May, 2003.
6. Presentation skills, Rothamsted International (A BBSRC Institute), UK, 18-20 March 1998.
7. Technical writing, Rothamsted International (A BBSRC Institute), UK, 16-18 March 1998.

Research Publications:

Books and Book Chapters:

1. **Mohotti A.J.** and Mohotti K.M. (2020). Chapter 8- Tea Industry of Sri Lanka: Are We Ready for the Climate Change Impacts? In: Adapting to Climate Change: A Sri Lankan perspective. H.I.U. Caldera and S.A.C.N. Perera (Eds.), Institute of Biology, Sri Lanka, ISBN:978-955-8476-09-3.
2. **Mohotti A.J.**, Pushpakumara G., Singh V.P. (2020) Shade in Tea Plantations: A New Dimension with an Agroforestry Approach for a Climate-Smart Agricultural Landscape System. In: De Silva R.P., Pushpakumara G., Prasada P., Weerahewa J. (eds) Agricultural Research for Sustainable Food Systems in Sri Lanka. Springer, Singapore. https://doi.org/10.1007/978-981-15-3673-1_4

CURRICULUM VITAE

3. **Mohotti A.J.** and Mohotti K.M. (2019). Chapter 3-Ecosystem services of plantation agroforestry landscapes in Sri Lanka, In: Landscaping agroecosystems: A way forward for natural resource utilization. S.A.C.N. Perera and A.J. Mohotti (Eds.), Institute of Biology, Sri Lanka, ISBN:978-955-8476-08-6.
4. **Mohotti A.J.** (2018). Chapter 4-Spices-Pepper, cloves and nutmeg, In: Nutritional and Health Benefits of Selected Food Crops of Sri Lanka: A compilation of concise scientific findings. W.K.S.M. Abeysekera and P.S. Saputhanthri (Eds.), Institute of Biology, Sri Lanka, ISBN:978-955-8476-07-9.
5. **Mohotti A.J.** and Mohotti K.M. (2018). Chapter 5-Tea, In: Nutritional and Health Benefits of Selected Food Crops of Sri Lanka: A compilation of concise scientific findings. W.K.S.M. Abeysekera and P.S. Saputhanthri (Eds.), Institute of Biology, Sri Lanka, ISBN:978-955-8476-07-9.
6. Mohotti K. M. and **Mohotti A. J.** (eds.) (2016). Code of Ethics in Biological Research: A guide for Biologists. Supplementary Booklet, 36th Annual Sessions of the Institute of Biology, Sri Lanka, September 2016, 36 pp. (ISBN 978-955-8476-06-2).
7. Mohotti K. M. and **Mohotti A. J.** (2014). Biosecurity and quarantine of plants, bacteria, fungi, nematodes and viruses. In: Dangalle C.D. and Kathriarachchi H. (Eds.), Understanding biosecurity and quarantine. Supplementary Booklet, 34th Annual Sessions of the Institute of Biology, Sri Lanka, September 2014, 16-25.
8. Mohotti K. M., Wijesinghe M. R., Perera I. C. and **Mohotti A. J.** (Eds.) (2013). Biodiversity Indicators in Agricultural Systems: A Guide to Sustainable Farming. Supplementary Booklet, 33rd Annual Sessions of the Institute of Biology, Sri Lanka, September 2013, 50 pp. (ISBN 978-955-8476-03-1).
9. De Costa W.A.J.M., **Mohotti A.J.** and Wijeratne M.A. (2010). Chapter 13. Tea: Ecophysiology of growth and production. In: Ecophysiology of Tropical Tree Crops. Fabio DaMatta (Ed.), Nova Science Publishers, New York, ISBN: 9781613245309 1613245300.
10. **Mohotti A. J.**, V. Sidhakaran and A. Anandacoomaraswamy (2003). Physiological Studies on the Tea Plant: Sri Lankan Contributions. In: *Twentieth Century Tea Research in Sri Lanka*, Modder WWD (ed.), The Tea Research Institute of Sri Lanka, 21-31.

Refereed Journals (International):

11. Jayawardhana A.D.I.U., Widulanka A.K.A.K.S., Wijeratne T.L., **Mohotti A.J.**, Nissanka S.P. and Mohotti K.M (2021). Some selected physiological and biochemical responses in organically and conventionally grown tea (*Camellia sinensis* (L.) O. Kuntze) to increased ambient temperature. International Journal of Agriculture, Forestry and Plantation (IJAFP), Volume 11 (June 2021). 78-84. ISSN 2462-1757
12. Nadheesha M. K. F., **Mohotti A. J.** and Priyantha N. (2021). Cadmium up take by coconut palm and its sorption on soil in ionic medium. International Journal of Agriculture, Forestry and Plantation (IJAFP), Volume 11 (June 2021). 63-70. ISSN 2462-1757
13. Suriyagoda L., **Mohotti A.J.**, Vidanarachchi J.K., Kodithuwakku S.P., Chathurika M., Bandaranayake P.C.G., Hetherington A.M. and Beneragama C.K. (2021). “Ceylon cinnamon”: Much more than just a spice. Plants, People, Planet.;00:1–18. <https://doi.org/10.1002/ppp3.10192>
14. Abesinghe, A.M.S.K., Amaratunga, K.S.P., Ekanayake, E.M.A.C., Kavindi, M.A.R. and Mohotti, A.J. (2020). Developing a selective tea plucking mechanism using image processing for a drone-based tea harvesting machine. *Global Science Journals*, 8 (11), 526-533, Online ISSN: 2320-9186
15. Thamilini J., Wekumbura C., **Mohotti A.J.**, Kumara A.P., Kudagammana S.T., Silva K.D.R.R. and Frossard E. (2019). Organized homegardens contribute to micronutrient intakes

CURRICULUM VITAE

and dietary diversity of rural households in Sri Lanka, *Frontiers in Sustainable Food Systems*, 3, 94, 1-13. <https://doi.org/10.3389/fsufs.2019.00094>

16. De Costa, W.A.J.M., **Mohotti A.J.** and Wijeratne M.A. (2007). Ecophysiology of tea, A Review, *Brazilian Journal of Plant Physiology*, 19 (4): 299-332.
17. **Mohotti A.J.** and Lawlor D.W. (2002). Diurnal Variation of Photosynthesis and Photoinhibition in Tea: Effect of Irradiance and Nitrogen Supply during Growth in the Field. *Journal of Experimental Botany*, 53 (367): 313-322.

Refereed Journals (Local):

18. Yapa S.S., **Mohotti A.J.** and Samita S. (2022). Mistletoe *Dendrophthoe neilgherrensis* parasitism on yield of nutmeg (*Myristica fragrans*): have we been underrating the destructivity? *Tropical Agricultural Research*, 33(1), 18–28. DOI: <http://doi.org/10.4038/tar.v33i1.8533>
19. Nadheesha M. K. F., **Mohotti A. J.** and Priyantha N. (2021). Sorption Isotherm Analysis of Trace Metals on Sandy textured Soil: Madampe Series Coconut Growing Soil. *Tropical Agricultural Research*, vol 32(03), 349-357. DOI: <http://doi.org/10.4038/tar.v32i3.8498>
20. Yapa, S.S., **Mohotti, A.J.**, Seneviratne, M.A.P.K., Peiris, B.L. and Tennakoon, K.U. (2018). Prevalence of mistletoes in fruit and timber trees in the wet and intermediate zone of Sri Lanka. *Tropical Agricultural Research*, 29(4), 330–340. DOI: <http://doi.org/10.4038/tar.v29i4.8260>
21. Wekumbura W.G.C., **A.J. Mohotti**, E. Frossard, S.T. Kudagammana and K.D.R.R.Silva (2017). Prospects and Issues Related to Tea Cultivation in Mid Country Homegarden Based Tea Smallholdings in a Selected Village in Sri Lanka, *Tropical Agricultural Research*, 28 (4), 503-516.
22. **Mohotti A.J.**, Geeganage K.T., Mohotti K.M., Ariyaratne M., Karunaratne C.L.S.M. and Chandrajith R. (2016). Phytoremedial potentials of *Ipomea aquatica* and *Colocasia esculenta* in soils contaminated with heavy metals through automobile painting, repairing and service centres. *Sri Lankan Journal of Biology*, 1 (1): 27-37.
23. Damayanthi, M.M.N., **Mohotti A. J** and Nissanka, S.P. (2011). Physiological responses of nursery grown tea (*Camellia sinensis* L.): A preliminary study, *Sri Lankan Journal of Tea Science*, 76 (1/2):46-50.
24. Damayanthi, M.M.N., **Mohotti A. J** and Nissanka, S.P. (2010). Comparison of tolerant ability of mature, field grown tea (*Camellia sinensis* L.) cultivars exposed to a drought stress in Passara area, *Tropical Agricultural Research*, 22 (1):66-75.
25. Wekumbura W.G.C., **Mohotti A.J.**, Vidana Arachchi L.P. and Mohotti K.M. (2010). Comparison of assimilate partitioning in organically and conventionally grown tea. *The Journal of Agricultural Sciences*, 5(1): 32-41.
26. Wijeratne T. L., **Mohotti A. J.** and Nissanka S. P. (2008). Impact of Long Term Shade on Physiological, Anatomical and Biochemical Changes in Tea (*Camellia sinensis* (L.) O. Kuntz). *Tropical Agricultural Research*, 20: 376-387.
27. **Mohotti A. J.** (2004). Shade in Tea: Is it Beneficial? *Sri Lanka Journal of Tea Science*, 69 (1&2), 27-39.
28. Karunaratne, P.M.A.S., **A.J. Mohotti**, S.P. Nissanka and W.A.D.S.K. Gunasinghe (2003). Effect of shade in minimizing photoinhibition of photosynthesis of high grown tea (*Camellia sinensis* (L.) O. Kuntze) in Sri Lanka. *Tropical Agricultural Research*, 15, 133-143.
29. **Mohotti A.J.**, Dennett M.D. and Lawlor, D.W. (2000). Electron Transport as a limitation to photosynthesis of tea (*Camellia sinensis* (L.) O. Kuntze); a comparison with sunflower (*Helianthus annuus* L.) with special reference to irradiance. *Tropical Agricultural Research*.

CURRICULUM VITAE

12, 1-10.

Proceedings of Symposia – (Full Paper & Extended Abstracts)-:

30. Mohotti K.M., Thathsarani W.T.V., **Mohotti A.J.**, Subasinghe S. and Amarasena P.G.D.S. (2019). Evaluation of earthworm population and biological activity in tea soils exposed to organic and conventional practice: A case study in Baddegama area, Sri Lanka. In: Proceedings of the International Symposium on Sustainable Soil Management. R.S. Dharmakeerthi, W.S. Dandeniya and W.A.U. Vitharana (Eds.), Soil Science Society of Sri Lanka, 05-06 December 2019, 75-77.
31. Sirisena U.G.A.I., Yapa S.S., **Mohotti A.J.** and Hemachandra K.S. (2015). *Aulacapsis vitis* Green (1896) and *Pseudalacapsis cockerelli* Cooley (1897): Common armored scales (Hemiptera: Diaspididae) of *Loranthus* spp. parasitic on spice and other crops in Sri Lanka. In: Proceedings of the Annual Symposium on Minor Export Crops-ASMEC. B. Marambe (Ed.), Vol 3, 13th-14th August 2015, Peradeniya, Sri Lanka, 75-79.
32. **Mohotti A.J.** and Mohotti K.M. (2013). Enhanced soil biodiversity in organic and biodynamic tea cultivation systems in comparison to a conventional system. In: "Conservation and sustainable use of soil biodiversity in Sri Lanka", Proceedings of the National Symposium on Soil Biodiversity, 10th-11th December 2013, Colombo, 114-119.
33. **Mohotti A.J.**, Mohotti K.M., Amarasena P.G.D.S., Rasanji N.G.N., Arachchi U.K. and Jayawardana T.G.N. (2013). Organic tea cultivation as adaptation strategy: A case study in rural smallholder tea community in Galle district. In: Coping with climate change and variability: Lessons from Sri Lankan communities. Proceedings of the National Workshop on Community Based Adaptation, Colombo, Sri Lanka, 16-18 July, 2013. UNDP Global Environment Facility/ Small Grants Programme (UNDP, GEF/SGP), 73-78 (ISBN: 978-955-1031-55-8).
34. Gunasinghe, H.R.H.K., Nissanka, S.P., **Mohotti, A.J.** and Edirisinghe, E.A.J.K. (2010). Impact of Green Leaf Standard on the Quality and Market Price of Different Tea Grades in the Ratnapura Region of Low Country of Sri Lanka. In: Proceedings, Peradeniya University Research Sessions (PURSE)-2010, 16th December 2010, University of Peradeniya, Peradeniya. 299-301
35. **Mohotti A.J.**, Damayanthi M.M.N., Anandacoomaraswamy A. and Mohotti K. M. (2008). Comparative dynamics of tea (*Camellia sinensis* L.) roots under organic and conventional management systems with special reference to water use. In: Cultivating the future based on science, Volume 1. Organic Crop Production, Neuhoﬀ D., Halberg N., Alfoldi T., Lockeretz W., Thommen A., Rasmussen I. A., Hermnsen J., Vaarst M., Lueck L., Caporali F., Jensen H. H., Migliorini P. And Willer H. (eds.), Proceedings of the Second Scientific Conference of the International Society of Organic Agriculture Research (ISO FAR), held at the 16th IFOAM Organic World Congress, held in Modena, Italy, 18-20 June 2008, 332-335.
36. **Mohotti A.J.** (2008). Evidence of Allelopathy in Tea (*Camellia sinensis* L.) Soils of Sri Lanka. In: Proceedings of the Second Symposium on Plantation Crops Research, N. P. A. D. Nainanayake and J. M. D. T. Everard (eds.), held on 17-18 October, 2008, Colombo, Sri Lanka, 212-223.
37. Hennayake H.M.G.T.T.B., **Mohotti A.J.** and M.N.D. Fernandopulle (2007). Shoot and root growth of tea (*Camellia sinensis* L.) under organic and conventional management systems with special emphasis on the effects of weather parameters. Proceedings of the 7th Agricultural Research Symposium, Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka, held in Makandura, October 2007, 93-100.
38. **Mohotti A.J.** (2004). Shade in Tea: Is it Beneficial? In: *Current Trends and Future Challenges, Proceedings of the First Symposium on Plantation Crop Research*, Zoysa A K

CURRICULUM VITAE

N and Ziyad Mohamed M T (eds.): The Tea Research Institute of Sri Lanka, 21-31.

39. **Mohotti A. J.**, Mohotti, K. M., Premaratne M. P. T. and Sangakkara U. R. (2001). Comparison of yield and its components of tea supplemented with various manures under organic and conventional cultivation. *In: Proceedings of the 5th IFOAM-Asia Scientific Conference, China.* 89-92.

Proceedings of International Symposia (Abstracts):

40. Yatawatte V.J, **Mohotti A.J.**, and H.M.P.A. Subasinghe (2022). Determination of the correct harvesting age of rhizomes of ginger (*Zingiber officinale* Roscoe) as seed material based on vegetative growth. *In: Proceedings of the International Symposium on Agriculture and Environment 2022 (ISAE), held on 16th June 2022, Faculty of Agriculture, University of Ruhuna, Sri Lanka, P50.*
41. Jayawardhana A.D.I.U., Widulanka A.K.A.K.S., Wijeratne T.L., **Mohotti A.J.**, Nissanka S.P. and Mohotti K.M (2021). Some selected physiological and biochemical responses in organically and conventionally grown tea (*Camellia sinensis* (L.) O. Kuntze) to increased ambient temperature. *In: Abstract Book, 2nd International Plantation Conference-IPC 2021, held on 9-10 March 2021, Online Conference, P25.*
42. Nadheesha M. K. F., **Mohotti A. J.** and Priyantha N. (2021). Cadmium up take by coconut palm and its sorption on soil in ionic medium. *In: Abstract Book, 2nd International Plantation Conference-IPC 2021, held on 9-10 March 2021, Online Conference, P24.*
43. Joshepkumar T., Madumali C., **Mohotti J.**, Frossard E., Nanayakkara J., Silva K.D.R.R., Jayasinghe J.M.U.K. (2019). Food Systems Approach to Improve Diet and Nutritional Outcomes: Integration of Three Studies Conducted in Rural Communities in Sri Lanka, Conference Proceedings, Abstract no 1033, *In: Annals of Nutrition and Metabolism; 75(suppl 3):1–424 DOI: 10.1159/000501751, 367.*
44. Wekumbura W.G.C., **A.J. Mohotti**, E. Frossard, S.T. Kudagammana and K.D.R.R. Silva (2017). Food and Cash Crop Diversity of Mid Country Homegardens with Special Reference to Nawalapitiya, Sri Lanka. Abstracts of Papers Presented at the 6th International Conference of Sabaragamuwa University of Sri Lanka (ICSUSL), 45.
45. S.S. Yapa, **A.J. Mohotti** and M.A.P.K. Seneviratne (2016). Effects of mistletoes on fruit quality of nutmeg (*Myristica fragrans*). Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, Vol. 20, Held on 4th – 5th November 2016, 389.
46. Wekumbura W.G.C., **Mohotti A.J.**, Frossard E., Kudagammana S.T. and Silva K.D.R.R. (2015). Species richness of some selected well managed and standard home gardens in Nawalapitiya area, Sri Lanka. *In: Book of Abstracts, 2nd International Conference on Agriculture and Forestry, ICOAF-2015, Pushpakumara D.K.N.G., Rathnayake D.T., Marambe B., Weerakoon D.K. (eds.) held on 10th-12th June 2015, Colombo, Sri Lanka, 2. Available at <http://tiikm.com/publication/ICOAF-2015-online-proceedings-book.pdf>.*
47. Senanayake K.S.D.N., **A.J. Mohotti** and W.A.P. Weerakkody (2015). Physiology of cluster root development of *Grevillea robusta* L. with differentially available phosphorus in hydroponics culture. Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, Vol. 19, Held on 5th-6th November, 2015, 389.
48. Yapa S.S., **A.J. Mohotti**, M.A.P.K. Seneviratne, B.L. Peiris and D.S.A. Wijesundara (2015). Occurrence of parasitic plants in spice and beverage crops of Sri Lanka. Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, Vol. 19, Held on 5th – 6th November 2015, 388.
49. Karunarathna T.A.S.S., K.M. Mohotti, **A.J. Mohotti**, U.R. Sangakkara and L.D.B. Suriyagoda (2014). Short term impacts of biochar incorporated soil on early growth of selected perennial and annual crops. Proceedings of the Peradeniya University International

CURRICULUM VITAE

- Research Sessions, Sri Lanka, Vol. 18, Held on 4th – 5th July 2014, 574.
50. Fernando A.H.K., K.M. Mohotti, **A.J. Mohotti** and U.R. Sangakkara (2014). Evaluation of leaf litter decomposition in tea [*Camellia sinensis* (L.) O. Kuntze] under organic and conventional systems. Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, Vol. 18, Held on 4th – 5th July 2014, 499.
 51. Rathnayake R.M.M.N.K., W.M.S.S. Kumari, **A.J. Mohotti**, K.M. Mohotti and W.A.P. Weerakkody (2014). Suitability of vermiwash for hydroponics for growing tea (*Camellia sinensis* (L.) O. Kuntze) and citrus (*Citrus aurantifolia* L.). In: Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, S.H.P.P. Karunaratne (Ed.) Vol 18, held on 4th and 5th July 2014, Peradeniya, Sri Lanka. 599.
 52. K.L.D.S. Jayani, **A. J. Mohotti**, W.A.P. Weerakkody and K.M. Mohotti (2012). Suitability of Vermiwash as an Alternative Fertigation Option for Tea (*Camellia sinensis* (L.) O. Kuntze) and Citrus (*Citrus aurantifolia* L.) in Hydroponics. In: Abstracts, International Conference and Exhibition on Soilless Culture, held on 22-26 May 2012, Shanghai, China, 25.
 53. U.R. Sangakkara and **A.J. Mohotti** (2009). Organic Farming – Prospects for Food Security in the Developing Nations. In: Souvenir and Abstracts, Biospectrum 2009- International Symposium on Second Green Revolution: Priorities, programmes, social and ethical issues, held on 2-4 July 2009, Thiruvananthapuram, Kerala, India, 32 (Key Note Address).
 54. K.M. Mohotti, M.G.N. Sandamali, **A.J. Mohotti**, P. G. D. S. Amarasena and S. H. C. S. Rangana (2009). Estimation of Alkaloids in various plant extracts used in organic and biodynamic agriculture. In: Souvenir and Abstracts, Biospectrum 2009- International Symposium on Second Green Revolution: Priorities, programmes, social and ethical issues, held on 2-4 July 2009, Thiruvananthapuram, Kerala, India, 34.
 55. **A. J. Mohotti**, K. M. Mohotti, S. P. C. Lankika, W. Weerakoon and U. R. Sangakkara (2008). Carbon dioxide evolution levels in soil and root environment in organic and conventional tea growing systems. In: Proceedings of the International Forestry and Environment Symposium, held in Kalutara, Sri Lanka, December 2008, 24-25.
 56. **A. J. Mohotti**, W. G. C. Wekumbura, N. Damayanthi and K. M. Mohotti (2008). Comparison of dry matter and nutrient partitioning in organically and conventionally grown tea. In: Proceedings of the International Forestry and Environment Symposium, held in Kalutara, Sri Lanka, December 2008, 36.
 57. Mohotti K. M. and **Mohotti A. J.** (2008). Building healthy soils assuring plant growth, productivity and health, pest and disease suppressiveness through organic and biodynamic management practices in tea: Long term evidence in Sri Lanka. In: Programme and Abstracts of the National Conference on Organic Farming in Horticultural Crops with Special Reference to Plantation Crops, held in Kasaragod, India, October 2008, 115-116.
 58. **Mohotti A. J.** (2007). Carbon Trading in Tea Plantations for Better Sustenance. In: Proceedings of the Twelfth International Forestry and Environment Symposium, held in Kalutara, Sri Lanka, November 2007, 6.
 59. Chithrapala N. H. M. S., Mohotti K. M. and **Mohotti A. J.** (2007). Rhizobial activity & root nodulation of *Erythrina indica* and *Arachis pintoii* in organic tea soils with different soil amendments and conventional tea soils with synthetic inputs. In: Proceedings of the Twelfth International Forestry and Environment Symposium, held in Kalutara, Sri Lanka, November 2007, 45-46.
 60. Heenatigala C., Bandara N. J. G. J., Mohotti K. M., Amarasena P. G. D. S., **Mohotti A. J.**, Chithrapala N. H. M. S. and Wijesinghe (2007). The analysis of the quality of the tea soil leachates from conventionally and organically managed tea estates, In: Proceedings of the International Forestry and Environment Symposium, held in Kalutara, Sri Lanka, November

CURRICULUM VITAE

2007, 43-44.

61. Mohotti, K. M. and **Mohotti, J.** (2006). Long Term Application of Neem Oil Cake. (I) Effects on Biological, Chemical and Physical Parameters of Tea Soils. *Abstracts of papers presented at the International Workshop on Neem Research and Applications: Current Trends and Future Prospects, held in Colombo, Sri Lanka on 3-4 August, 2006.*
62. **Mohotti, J.** and Mohotti, K. M. (2006). Long Term Application of Neem Oil Cake. (II) Effects on Shoot and Root Growth and yield of Tea. *Abstracts of papers presented at the International Workshop on Neem Research and Applications: Current Trends and Future Prospects held in Colombo, Sri Lanka on 3-4 August, 2006.*
63. **Mohotti A. J.**, N. Damayanthi, K. T. Tennakoon, K. M. Mohotti and U. R. Sangakkara (2003). Anatomical differences of tea roots grown under organic and conventional management systems. *Programme and abstracts of the 3rd International Symposium on dynamics of physiological processes in woody roots, held in Perth, Australia, October 2003.* 77.
64. **Mohotti A. J.**, W. M. Mahesha Vajirakanthi, K. M. Mohotti and Deepthi C. Bandara (2003). Growth and distribution of tea root system under organic and conventional management systems. *Programme and abstracts of the 3rd International Symposium on dynamics of physiological processes in woody roots, held in Perth, Australia, October 2003, held in Perth, Australia, October 2003.* 151.
65. **Mohotti, J.** and Mohotti, K. M. (2000). Growth and photosynthesis of field grown tea (*Camellia sinensis* L.) plants as affected by incorporation of organic soil amendments. Proceedings of the *International Conference on Microbiology of Composting*, held in Innsbruck, Austria, 17-22 October, 2000. 16pp.
66. Mohotti, K. M., **Mohotti, J.**, Bridge J. and Gowen, S. R. (1998). Role of organic matter amendments on recovery, growth and photosynthesis of tea (*Camellia sinensis* L.) plants infested with the root lesion nematode, *Pratylenchus loosi*. *Abstracts of the offered papers in Nematology, Association of Applied Biologists*, a poster presented at the Linnean Society of London. 17pp.

Proceedings of Symposia (Local):

67. Gallage R.P.R., K.S.P. Amarathunge, C.K. Beneragama, L.D.B. Suriyagoda and **A.J. Mohotti** (2019). Determination of the physiological basis of peelability of cinnamon. Proceedings of the Annual Sessions of the Institute of Biology of Sri Lanka, held in Colombo on 27th September 2019, 51.
68. Subasinghe M.H.L.R., D.M.S.B. Dissanayaka and **A.J. Mohotti** (2019). Evaluation of phosphorus dynamics in relation to cluster roots of *Grevillea robusta* L. Proceedings of the Annual Sessions of the Institute of Biology of Sri Lanka, held in Colombo on 27th September 2019, 80
69. Wekumbura W.G.C., **A.J. Mohotti**, E. Frossard, S.T. Kudagammana and K.D.R.R.Silva (2016). Prospects and Issues Related to Tea Cultivation in Mid Country Homegarden Based Tea Smallholdings in a Selected Village in Sri Lanka, Abstracts of papers and invited presentations, 28th Annual Congress of the Postgraduate Institute of Agriculture, University of Peradeniya, Sri Lanka, held on 17th-18th November 2016, 43.
70. Yesmin M.D.F., S.T. Kudagammana, S.D. Dharmaratne, **A.J. Mohotti**, E. Frossard and K.D.R.R. Silva (2016). Improved homegarden and communicable diseases among children in Sri Lanka. Poster presentation at 38th Annual Academic Sessions of the Kandy Society of Medicine, held on 11-13th February 2016 in PGRC, Gannoruwa, Sri Lanka, 116.
71. Yesmin M.D.F., S.T. Kudagammana, S.D. Dharmaratne, **A.J. Mohotti**, E. Frossard and K.D.R.R. Silva (2016). Allergic manifestations in pre-school children in improved vs

CURRICULUM VITAE

- standard homegardens: Experience from a rural area in Nawalapitiya. Poster presentation at 38th Annual Academic Sessions of the Kandy Society of Medicine, held on 11-13th February 2016 in PGRC, Gannoruwa, Sri Lanka, 118.
72. Yesmin M.D.F., S.T. Kudagammana, S.D. Dharmaratne, **A.J. Mohotti**, E. Frossard and K.D.R.R. Silva (2016). Impact of home garden on the health status of preschool children in Nawalapitiya area. Poster presentation, Abstracts of the 19th Annual Scientific Congress of Sri Lanka College of Paediatricians. Held on 11-14th August 2016 in Colombo, Sri Lanka, 70.
 73. Samarakoon S.M.D.S., K.D.R.R. Silva, J. Thamilini, **J. Mohotti** and E. Frossard (2015) Contribution of home gardening to household food security in a village in Nawalapitiya, Sri Lanka. Abstracts - Undergraduate Research Symposium 2015, held on 14 October 2015, Faculty of Livestock, Fisheries & Nutrition, Wayamba University of Sri Lanka, 30.
 74. **A J Mohotti** and K M Mohotti (2013). Enhanced soil biodiversity in organic and biodynamic tea cultivation systems in comparison to a conventional system. In: Proceedings, National Symposium on Soil Biodiversity, 10-11 December 2013, Sri Lanka Institute of Development Administration, Colombo, Sri Lanka, 114-119.
 75. J.W.C.P. Jayawardhane, **A.J Mohotti** and E.A.J.K. Edirisinghe (2013). Trends in prices of Sri Lankan tea grades grown at different elevations. In: Proceedings, Peradeniya University Research Sessions (PURSE)-2012, 4th July 2013, University of Peradeniya, Peradeniya. 17.
 76. K.A. Kumara, **A.J Mohotti**, M. Ariyaratne and K.M. Mohotti (2013). Growth responses of tea (*Camellia sinensis* L.) nursery plants to vermivash application. In: Proceedings, Peradeniya University Research Sessions (PURSE)-2012, 4th July 2013, University of Peradeniya, Peradeniya. 234.
 77. M.M.N. Damayanthi, **A.J Mohotti** and S.P. Nissanka (2013). Physiological and biological Parameters that can be used in screening tea (*Camellia sinensis* L.) for drought. In: Proceedings, The Young Scientists Forum Symposium-2012, 18th January 2013, Hector Kobbekaduwa Agrarian Research and Training Institute, Colombo. 12.
 78. G.K.C.S Godakanda, **A.J Mohotti** and K.M Mohotti (2011). Potentials of biochar as a soil amendment in comparison to some other materials. In: Proceedings, Peradeniya University Research Sessions (PURSE)-2011, 18th November 2011, University of Peradeniya, Peradeniya. 173.
 79. K. T. Geeganage, **A. J. Mohottii**, K.M. Mohottii, M. Ariyaratne and R. L. R. Chandrajith (2011). Harnessing phytoremediation potentials in polluted soils through *Iphomea aqatica* and *Colocasia esculenta*. In: Proceedings, Peradeniya University Research Sessions (PURSE)-2011, 18th November 2011, University of Peradeniya, Peradeniya. 134.
 80. P.M.S. Vilochani, **A.J. Mohotti**, E.M.D.S.N. Ekanayake and S.K. Wasala (2011). Morphological characterization of sweet potato [*Ipomoea batatas* (L.) Lam] accessions. In: Proceedings, Peradeniya University Research Sessions (PURSE)-2011, 18th November 2011, University of Peradeniya, Peradeniya. 174.
 81. Damayanthi M.M.N., **Mohotti A.J.** and Nissanka S.P. (2010). Physiological responses as a tool for screening for drought tolerance: An investigation with nursery tea (*Camellia sinensis* L.) plants. In: Proceedings of the Third Symposium on Plantation Crop Research, (Eds. R. S. Dharmakeerthi and A.M.W.K. Senavirathne). Held on 30 September-01 October 2010, Cinnamon Grand Hotel, Colombo, 337.
 82. Ranasinghe R. S. A., **Mohotti A. J.**, Mohotti K. M. and Niclas H. (2009). Vulnerability assessment of ecosystems in Sri Lanka to Impacts of climate change. In: Abstracts of the First National Conference on Climate Change and its Impacts on Agriculture, W. A. J. M. De Costa, S. P. Nissanka, **A. J. Mohotti** and W. M. W. Weerakoon (eds.), held on 10-11

CURRICULUM VITAE

- September, 2009, Kandy, Sri Lanka, 50.
83. **Mohotti A. J.**, Somarathna K. M. S. H. and Punyasiri P. A. N. (2008). Association of allelochemicals in soil and roots of field-grown mature tea (*Camellia sinensis* L.) showing yield decline and dieback in high elevation of Sri Lanka. *In: Proceedings of the 28th Annual Sessions of the Institute of Biology, held on 26 September, 2008, Colombo, Sri Lanka, 34.*
 84. **Mohotti A. J.**, Amarathunga A. M. and Punyasiri P. A. N. (2008). Allelochemicals in tea (*Camellia sinensis* L.) grown soils. *In: Proceedings of the 28th Annual Sessions of the Institute of Biology, held on 26 September, 2008, Colombo, Sri Lanka, 32.*
 85. Mohotti K. M., Abeysekara C. P., **Mohotti A. J.**, Sangakkara U. R., Amarasena P. G. D. S. and Chitrapala N. H. M. S. (2008). Presence of plant growth regulator like substances in vermiwash. *In: Proceedings of the 28th Annual Sessions of the Institute of Biology, on 26 September, 2008, Colombo, Sri Lanka, 53.*
 86. **Mohotti A. J.**, Kumara G. C. S. and Sangakkara U. R. (2008). Impact of plant age on the root distribution patterns of Sri Lankan high grown tea (*Camellia sinensis* L.). *In: Proceedings of the 28th Annual Sessions of the Institute of Biology, on 26 September, 2008, Colombo, Sri Lanka, 33.*
 87. Pathirana M., Kandamby S. P. B. J., **Mohotti A. J.**, Sangakkara U. R. and Mohotti K. M. (2007). Feeder root dynamics of tea (*Camellia sinensis* L.) under organic and conventional management systems, *Proceedings of the 27th Annual Sessions of the Institute of Biology of Sri Lanka, held in Colombo, September 2007, 32.*
 88. Liyanapatabendi N. K., **Mohotti A. J.** and Sangakkara U. R. (2007). Rooting behaviour of field grown seedling and vegetatively propagated tea (*Camellia sinensis* L.), *Proceedings of the 27th Annual Sessions of the Institute of Biology of Sri Lanka, held in Colombo, September 2007, 33.*
 89. **Mohotti, A. J.**, Nilusha, S. L. R. and Wijeratne, T. L. (2006). Growth and Distribution of Tea (*Camellia sinensis* L.) Roots and Shoots under Organic, Integrated and Conventional Management Systems. *Proceedings of the 26th Annual Sessions of the Institute of Biology, Sri Lanka, 24.*
 90. Beddage H. P. and **Mohotti A. J.** (2005). A Compilation of Potential Alternate Shade Tree Species for Tea Plantations. Abstracts of the Tenth Annual Forestry and Environment Symposium, 2-3 December 2005, Department of Forestry and Environmental Science, University of Sri Jayawardenapura, 23-24.
 91. **Mohotti A. J.**, D. S. D. Wickremaratne, S. P. Nissanka, P. S. Munasinghe and L. S. K. Hettiarachchi (2003). Effect of foliar application of potassium on drought tolerance of young tea (*Camellia sinensis* L.). *Proceedings of the 23rd Annual Sessions of the Institute of Biology Sri Lanka, Abstracts of Scientific Sessions: 8-9.*
 92. **Mohotti A. J.**, Kodituwakku R. D., Liyanage A. C. and Bandara D. C. (2002). The effect of shade on rate of photosynthesis and Rubisco content of tea (*Camellia sinensis* L.). *Proceedings of the 22nd Annual Sessions of the Institute of Biology Sri Lanka, Abstracts of Mini-Symposium & Scientific Sessions. 50-51.*
 93. Gunawardena V. L., **Mohotti A. J.**, Bandara D. C. and Navaratne D. M. S. (2001). Photosynthesis and some related processes of young tea (*Camellia sinensis* L.) as affected by short-term water deficit, *Proceedings of the 57th Annual Session, Part 1-Abstracts, Sri Lanka Association for the Advancement of Science. 32.*
 94. Rajapakse R. P. N. P., Bandara D. C. and **Mohotti A. J.** (2000). Changes in photosynthesis and some related processes during source / sink manipulation in young tea (*Camellia sinensis* L.). *Proceedings of the 56th Annual Session, Part 1- Abstracts, Sri Lanka Association for the Advancement of Science. 114.*

CURRICULUM VITAE

Thesis:

95. **Mohotti A. J.** (1998). Effect of irradiance and N nutrition on photosynthesis of tea (*Camellia sinensis* L. (O.) Kuntze) in comparison with sunflower (*Helianthus annuus* L.). *PhD Thesis, Department of Agricultural Botany, University of Reading, UK, 195pp.*

Experimental and Extension Forums at TRI:

1. Mohotti K. M., Gunaratne G.P., **Mohotti A. J.** and Sangakkara U.R. (2015). Biochar: A potential soil amendment in tea, Proceedings, 231st Meeting of the Experiments and Extension Forum, Tea Research Institute of Sri Lanka, 40-46.
2. Damayanthi, M.M.N., **Mohotti, A. J** and Nissanka, S.P. (2010). Use of Physiological and Biochemical Parameters for Early Screening of Tea Cultivars for Drought Tolerance. Proceedings of 221st E&E Forum, 30th July 2010, Talawakelle, 15-23.
3. Mohotti K.M., Abeysinghe I.S.B. and **A.J. Mohotti** (2005). Biological, Biochemical and Physiological Attributes in Relation to Pest Management in Organically grown Tea, Proceedings, 211th Meeting of the Experiments and Extension Forum, Tea Research Institute of Sri Lanka, 29th July 2005, 5-13.
4. **Mohotti A. J.** (2005). Shade in tea plantations: A fresh look, Proceedings, 210th Meeting of the Experiments and Extension Forum, Tea Research Institute of Sri Lanka, 26th January 2005, 5-9.
5. Mohotti K. M. and **Mohotti A. J.** (2002). The Feasibility of organic tea production: A preliminary examination, Proceedings, 204th Meeting of the Experiments and Extension Forum, Tea Research Institute of Sri Lanka, 1st February 2002, 23-31.

Postgraduate students supervised

	Name of Student	Degree Registered	Year of completion/ Ongoing	University
1	Ms Mashita Chiewattanakul	PhD	Ongoing	ETH-Zurich, Switzerland
2	Mr A S Ratnayake	PhD	Ongoing	Postgraduate Institute of Agriculture, University of Peradeniya
3	Mr. S.S. Yapa	PhD	Ongoing	Postgraduate Institute of Agriculture, University of Peradeniya
4	Ms. Fathima Nadheesha	PhD	Ongoing	Postgraduate Institute of Science, University of Peradeniya
5	P.M.A.S. Karunaratne	MPhil	2004	Postgraduate Institute of Agriculture, University of Peradeniya
6	M.M.N. Damayanthi	MPhil	2010	Postgraduate Institute of Agriculture, University of Peradeniya
7	W.G.C. Wekumbura	MPhil	2016	Postgraduate Institute of Agriculture, University of Peradeniya
8	V.J. Yatawatte	MPhil	ongoing	Postgraduate Institute of Agriculture, University of Peradeniya
9	Mrs. Sefra Sanjika Ketharan	MPhill	ongoing	Postgraduate Institute of Science, University of Peradeniya
10	M.M.N. Damayanthi	MSc	2006	Postgraduate Institute of Agriculture, University of Peradeniya
11	T.L. Wijeratne	MSc	2008	Postgraduate Institute of Agriculture, University of Peradeniya
12	W.G.C. Wekumbura	MSc	2010	Postgraduate Institute of Agriculture, University of Peradeniya

CURRICULUM VITAE

13	R.M.L. Wijesinghe	MSc	2016	Postgraduate Institute of Agriculture, University of Peradeniya
14	W.A.S.V. Wickramaarachchi	MSc	2016	Postgraduate Institute of Agriculture, University of Peradeniya
15	T.M.N.B.K. Thotagodawatta	MSc	2019	Postgraduate Institute of Agriculture, University of Peradeniya
16	A.D.I.U. Jayawardhana	MSc	2021	Postgraduate Institute of Agriculture, University of Peradeniya
17	Chamil Chinthaka	MSc	2022	Postgraduate Institute of Agriculture, University of Peradeniya
18	Anusiya Muralitharan	MPhil	ongoing	Postgraduate Institute of Agriculture, University of Peradeniya
19	Shiromika Indramali	MPhil	ongoing	Postgraduate Institute of Science, University of Peradeniya
20	Ramon Reiman	MPhil	ongoing	ETH-Zurich

Awards:

1. Presidential awards for scientific publications in international scientific journals cited in the Science Citation Index (2002: Journal of Experimental Botany 53: 313-322)
2. 'Outstanding Participation', Protected Agriculture and Sand Development Industry for Asian Countries, Organized by International Exchange Center of Yangling Agricultural Hi-Tech Industries Demonstration Zone, Yangling, China, 2-22 September 2015
3. Many research grants from Institutional, National and International funding agencies.



Janaki Mohotti

Last Updated: 06 May 2023