

**Prof. K.G. Prematilake**  
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## **PROFILE**

A Weed Scientist doctored in the field of Weed Science having graduated in B Sc in Agriculture and Master of Philosophy in Crop Science giving special interest on Agronomic research. He is thorough in the subjects of tea agronomy together with weed management in tea.

His sole objective is to serve the university by the level best being hardworking, enthusiastic, and self-motivated.

## **EDUCATIONAL QUALIFICATIONS**

Ph D in Weed Science; University of Reading, UK (1997).

M. Phil (Agriculture), with specialty in Crop Science (1989), Postgraduate Institute of Agriculture, University of Peradeniya.

B Sc in Agriculture, (1982). University of Rununa.

## **ACADEMIC HONOURS (AWARDS, RECOGNITIONS AND SCHOLARSHIPS)**

Commendation award of the National Science Foundation (NSF) for popularizing Science for the period of 2005-2010

Received an Overseas Development Administration (ODA) of UK scholarship to pursue postgraduate studies at the PGIA, leading for MPhil, 1986-1989.

A grant was awarded to participate in 21 weeks Cropping System Training Course in International Rice Research Institute (IRRI), Los Banos, Philippines by the Overseas Development Administration (ODA) of UK in 1988 in recognition of proper undertaking of field research leading to the M. Phil degree at the PGIA, University of Peradeniya.

CARP Sri Lanka scholarship for higher studies leading to the Ph D in United Kingdom during 1993-1997.

## **PUBLICATIONS**

### ***Peer Reviewed Journal Articles***

1. Augastin, A M, S H S Senarathne, K G Prematilake. (in Press). Investigating germination controlling strategies for Guinea grass (*Panicum maximum*). *Journal of Nat. Inst. of Plantation Management*, NIPM, Aturugiriya.
2. Liyanage, M G S., **K G. Prematilake** and P. Prematunga (2018). Alternative grass species for soil rehabilitation of old tea lands, *J Tea Sci.*, 80, Part 1/2, March/Sep., Tea Res. Inst. of Sri Lanka, Talawakelle.
3. Damayanthi, M M N, K G Prematilake and M G S Liyanage (2018). Attribution of allelopathy in tea soils on bush debilitation and yield decline in old tea cultivars TRI 2026

grown in mid elevations of Sri Lanka, Journal of Agriculture and Value Addition (JAVA), Vol 1 Issue 1, Uva Wellassa University, pp 63-70.

4. Ekanayake, P.B., **K. G. Prematilake** and A.P.D.A. Jayasekara (2013). The effect of long term use of selected herbicides on soil organisms, growth and yield of tea (*Camelia sinensis.L*) in the Mid Country, Sri Lanka J Tea Sci. , 78, Part 1/2, March/Sep., Tea Res. Inst. of Sri Lanka, Talawakelle’.
5. Jayasinghe, S and **K. G. Prematilake** (2010). Evaluation of growth of grafted tea plants in sealed polythene propagator at nursery and performances of stock-scion combinations at nursery and early stage in the field, Sri Lanka J. Tea Sci., 75/2 Sep. , Tea Res. Inst. of Sri Lanka, pp 1-10, ISSN 1010-4208.
6. Prematilake, K G., R J Froud Williams and P B Ekanayake (2008). Appraisal of the weed seed bank in Low-grown Tea soil under different weed management techniques. (Vol 73, Part 1) March, 2010, Sri Lanka J. Tea Sci, Tea Res. Inst. S L., ISSN 1010-4208, pp 11-18
7. Prematilake, K.G. and P. Prematunge (2005). Potential on selected green matter sources for mulching and green manuring in tea plantation, Sri Lanka J. Tea Sci. **70** Part I, The Tea Res. Inst. of Sri Lanka. p 18-28.
8. Prematilake, K.G and Gamage, (2005). Impact of cultural and agronomic practices on the management of Getakola (*Spermacoce hispida* L.) in high-grown tea. Sri Lanka J. Tea Sci. **70** (2). The Tea Res. Inst. of Sri Lanka, p 82-91.
9. Prematilake, K.G., R. J. Froud-Williams, and P. B. Ekanayake (2004). Weed infestation and tea growth under various weed management methods in a young tea (*Camellia sinensis L.*) Plantation, Weed Biology & Management, **4** Issue 4 Dec., Japan, p 239-248.
10. Prematilake, K. G., R. J. Froud-Williams and P. B. Ekanayake (1998). Potential of various green matters as mulches and their impact on weed suppression in tea lands, (Paper presented at the 10th PGIA Annual Congress, Univ. of Peradeniya), Tropical Agricultural Research, **10**, p 309-323.
11. Prematilake, K.G. (2003). Weed management in tea – Recent Developments, Tropical Agric. Res. and Extension, [TARE] Int. J., Fac. Agric., Univ. Ruhuna, Sri Lanka. **6**. p 98-107.
12. Prematilake, K.G., R. J. Froud-Williams, and P. B. Ekanayake (2004). Weed infestation and tea growth under various weed management methods in a young tea (*Camellia sinensis L.*) Plantation, Weed Biology & Management, **4** Issue 4 Dec., Japan, p 239-248.
13. Prematilake, K. G., S. L. Ranamukarachchi and S. H. Upasena (1992). Cropping Patterns for the Rainfed Highland Ecosystem in the Mahaweli System C of Sri Lanka. Sri Lankan Journal of Agricultural Sciences, Nat. Agric. Soc. of Sri Lanka, **29** -1992.

### **Books/Book Chapters**

- 1) Prematilake, K.G., G.P.Gunarathne and A.N. Jayakody (2016). Integrated Soil Fertility Management Strategies for Tea Stakeholders. Tea Research Institute of Sri Lanka, Talawakelle. A Text Book, ISBN 978-955-9023-10-4, (75% contribution).
- 2) Prematilake, K.G. (2008). Integrated Weed Management of Tea. *In* Hand Book on Tea, (Ed: A. K. N. Zoysa) Chapter 13, First Edition, Tea Research Institute of Sri Lanka, Talawakelle. pp 163-172. ISBN 955-9023-00-4, (100% contribution),
- 3) Prematilake, K.G. (2003). Weed Management in Tea in Sri Lanka. *In* Twentieth Century Tea Research in Sri Lanka, Chapter 6, (Ed: Dr W.W.D. Modder), Tea Research Institute of Sri Lanka, Talawakelle. 1925-2000, pp 63-72. ISBN 955-9023-06-3.

## ***Abstracts/Extended Abstracts***

Peer reviewed Proceedings :

1. Ranasingha D.H.Y.A. and K G Prematilake, P D P M D Silva and H M P M Gunasena. (2019). Investigating of possible Vesicular Arbuscular Mycorrhiza (VAM) associations in prevalent weeds in tea cultivation of Uva Region, Proc. of the Intn. Res. Conf. of Uva Wellassa University, p.1066.
2. Herath H.M.M.P.S., K G Prematilake and H M P M Gunasena (2019). Investigating the association of Vesicular Arbuscular Mycorrhiza (VAM) with *Commelina benghalensis* weed species, Proc. of the Intn. Res. Conf. of Uva Wellassa University, p.1049.
3. Wasala W.M.O.S.K., and K G Prematilake (2019). Investigating the potential of use of different plant and artificial material as alternative sources of mulching in the new clearing in up country intermediate zone, Proc. of the Intn. Res. Conf. of Uva Wellassa University, p.940.
4. Rathnayake, R.M.D.T., K G Prematilake and N P S N Bandara (2019). Investigation on durability and effect of different mulch materials in young low grown tea fields, Proc. of the Intn. Res. Conf. of Uva Wellassa University, p.924.
5. Augastin, A M, S H S Senarathne, K G Prematilake. (2018). Investigating germination controlling strategies for Guinea grass (*Panicum maximum*). Proc. of the 01<sup>st</sup> National Symposium on Sustainable Plantation Management, Nat. Inst. of Plantation Management, P 29-36.
6. Augastin, A M, S H S Senarathne, K G Prematilake (2018). Germination characteristics of *Panicum maximum* in coconut plantations of Sri Lanka, Proc. of the 2<sup>nd</sup> International Research Symposium, Uva Wellassa University of Sri Lanka, Badulla, 1-2 Feb., P 270.
7. Gunasena, H M P M, K G Prematilake, A Balasuriya (2018). Investigating the association between Vesicular Arbuscular Mycorrhiza (VAM) and *Commelina benghalensis*. Proc. of the 2<sup>nd</sup> International Research Symposium, Uva Wellassa University of Sri Lanka, Badulla, 1-2 Feb, P 34.
8. Karunathilaka U M, R A P I S Dharmadasa, K.G Prematilake and D M J Nakandala (2018). Adoption of Machinery in tea cultivation and management by tea small holders in the Kalutara district, Proc. of the 2<sup>nd</sup> International Research Symposium, Uva Wellassa University of Sri Lanka, Badulla, 1-2 Feb., P 148.
9. Yapa, Y M S K B, K G Prematilake, R A P I S Dharmadasa (2018). Impact of socio economic status of Tea Small Holders on the productivity of tea lands in Passara Tea Inspector (TI) range, Proc. of the 2<sup>nd</sup> International Research Symposium, Uva Wellassa University of Sri Lanka, Badulla, 1-2 Feb., P 158.
10. Mallikarachchi, M A S K, M C Magamage, K G Prematilake and A N R Weerawansa (2018). Analysis of pesticide residues in fruits and vegetables exported to the European Union and determining the effect of chlorine treatment on Diazinon residues, Proc. of the 2<sup>nd</sup> International Research Symposium, Uva Wellassa University of Sri Lanka, Badulla, 1-2 Feb., P 27.
11. Tennakoon, T M S K , K.G. Prematilake, P W Jeewanthi, P. Ratnayake and R A P I S Dharmadasa (2017). Willingness to adopt US Dollars in Colombo tea auction. Proc. of the Intern. Res. Symp. of the Uva Wellassa University, 19<sup>th</sup> -20<sup>th</sup> Jan, p 79.
12. Katugaha, B H M N E B, K. G. Prematilake and K. Ajith (2017). Evaluation of tea small holders currently involve in organic tea farming in Badulla district, Proc. of the Intern. Res. Symp.

- of the Uva Wellassa University, 19<sup>th</sup> -20<sup>th</sup> Jan, p 287.
13. Deepani, P K M, K. G. Prematilake, AG A W Alakolanga and A L R V Kumara (2017). Evaluating bio-efficacy of aqueous solution of *Mechelia champaca* seeds in controlling common weeds in agricultural lands. Proc. of the Intern. Res. Symp. of the Uva Wellassa University, 19<sup>th</sup> -20<sup>th</sup> Jan, p 304.
  14. Suman, M. and K.G. Prematilake (2016). Evaluating the germinability of seeds and growth performances of nursery plants of alternative shade tree species in tea plantations, Proc. of the 6<sup>th</sup> Research Symposium of the Uva Wellassa University, 28-29 Jan, p 80.
  15. Kularathne, H A S P., K.G. Prematilake, A N.R Weerasinghe and C. Magamage (2016). Evaluation of the physical and chemical stability of different formulations of Diazinon (50%) within its self-life. Proc. of the 6<sup>th</sup> Research Symposium of the Uva Wellassa University, 28-29 Jan, p 76.
  16. Wijesekara, B A L A, K.G. Prematilake, K P M Kahandage, R A P I S Dharmadasa and C. Dissanayake (2017). Brokers' and Buyers' willingness to sell green tea through Colombo auction. Proc. of the Intern. Res. Symp. of the Uva Wellassa University, 19<sup>th</sup> -20<sup>th</sup> Jan, p 96.. G. Prematilake and K. Ajith (2017). Evaluation of tea small holders currently involve in organic tea farming in Badulla district, Proc. of the Intern. Res. Symp. of the Uva Wellassa University, 19<sup>th</sup> -20<sup>th</sup> Jan, p 287.
  17. Vidanapathirana, S M, K.G. Prematilake, K P M Kahandage and Q. Dissanayake (2016). Market analysis on young adult's purchasing decision regarding tea products. Proc. of the 6<sup>th</sup> Research Symposium of the Uva Wellassa University, 28-29 Jan., P167.
  18. Kirusia, R., K.G. Prematilake, A M. C. Amarakoon, and A Chitty (2016). Determinants of Ceylon black tea market penetration in Chinese tea market, Proc. of the 6<sup>th</sup> Research Symposium of the Uva Wellassa University, 28-29 Jan., p
  19. Ellepola V.P., K.G. Prematilake, P D P M P De Silva, A Chitty (2016). Value addition to off grade tea by incorporating tea aroma. Proc. of the 6<sup>th</sup> Research Symposium of the Uva Wellassa University, 28-29 Jan., p 47.
  20. Dulanjalee , K G A P, K.G. Prematilake, A N R Weerawansa and J A Sumith (2016). Impact of pesticide use practices on farmer's health: A case study in Wijayagama and Eherenda in Matale district, p 129, Proc. of the 6<sup>th</sup> Research Symposium of the Uva Wellassa University, 28-29 Jan.
  21. Gunarathna, W A H A., K.G. Prematilake, P D P M P De Silva and M Wanniarachchi, (2016). Conjoint analysis to evaluate the consumer preference on flavoured tea. Proc. of the 6<sup>th</sup> Research Symposium of the Uva Wellassa University, 28-29 Jan., P 160.
  22. Priyani, A G S, K. G. Prematilake (2015). Investigating the underline causes for poor control of *Crassocephalum crepidioides* (Thandam pillu) weed by Glyphosate in the Uva region, Faculty of Animal Science and Export Agriculture, Uva Wellassa University of Sri Lanka.
  23. K. G. Prematilake, N. Damayanthi, M.G.S. Liyanage (2014). Allelopathic attribution for bush debilitation and yield decline problem in tea grown under mid country conditions, Proc. of the Int. Symp. of Wayamba University.
  24. Prematilake, K.G., M.G. S Liyanage and P. Prematunge (2008). 'Impact of the presence of 'soft herbs' in young tea and soil fertility status. "An Abstract". Proc. of the 7<sup>th</sup> international Conference on Plant Protection in the Tropics held in Kuala Lumpur (ICPPT), Malaysia on 27-

29<sup>th</sup> Aug. 2008.

25. Kumara, H.M.S., **Prematilake, K.G.**, Karunaratne, P. M.A.S (2003). Performances of Pre-and Tank-mixed herbicide formulations on the control of common weeds and Wel Kohila (*Syngonium* spp) present in tea fields. Part 1- **ABSTRACTS**, Proc. 59<sup>th</sup> Ann. Session, Sri Lanka Assoc. for the Advancement of Science, 9-13 Dec. p 106.
26. Prematilake, K. G, A. Gamage, H.S.N. Peiris (2000). Weed controlling efficacy of glyphosate with "Controlled Droplet Application (CDA) sprayer. *Proc. of the 56<sup>th</sup> Ann. Session of SLAAS, Part 1, Abstracts*, 27 Nov.01- Dec. 2000, Colombo, Sri Lanka.
27. Katugaha, B H M N E B, Prematilake, K. G. H.S.N. Peiris, A. Gamage and M. S. Madugalle (1999). Chemical control of *Hedyotis auricularia* in tea lands. "**Abstract**", Seminar on pest control in the next millenium. SLAAS Section B, Agriculture and Forestry and Univ. of Ruhuna, 13<sup>th</sup> Aug. 1999

### **Scientific Presentations**

1. Bandara, N.P.S.N, **K. G. Prematilake**, G P Gunaratne, U P Abeysekara, N Nawaratne, D W Vithana, A K. Prematunga, E W T P Prematunga and M G S Liyanage (2016). Soil Quality Index as a measure of assessing land suitability prior to replanting of tea. Proc. of the 232<sup>nd</sup> meeting of the Experiments & Extension Forum on 29<sup>th</sup> July, Tea Research Institute of Sri Lanka, Talawakelle (*This SQI was formulated by me, and 90% validation was completed and 60% of the final report was prepared by me before leaving the TRI*).
2. Liyanage, M G S., **K G. Prematilake** and P. Prematunga (2016). Alternative grass species for soil rehabilitation of old tea lands, Proc. of the 6<sup>th</sup> Plantation Crop Research Symposium held in BMICH, Colombo on 2-4<sup>th</sup> November, pp 113-123.
3. K. G. Prematilake (2014). Climate change adaptation strategies for tea plantations, Proc. of the 228<sup>th</sup> meeting of the Experiments & Extension Forum held in SLIDA, Colombo on 31<sup>st</sup> January, Tea Research Institute of Sri Lanka, Talawakelle, pp 20-30.
4. K. G. Prematilake, N. Damayanthi, M.G.S. Liyanage (2014). Allelopathic attribution for bush debilitation and yield decline problem in tea grown under mid country conditions, Proc. of the Int. Symp. of Wayamba University.
5. Swarnamalli, M.A.N., **Prematilake, K.G.**, Gunatilaka, R.P.D., Jayasinghe, H.A.S.L. (2012). Perception of tea small holders in Badulla district in adopting mix crop cultivation. *In Proc. of the Res. Symp.*, Uva Wellassa Univ. of Sri Lanka, Nov. 22-23, Badulla: pp 227-229.
6. Prematilake, K. G. (2011). 'Increasing tea productivity through Agroforestry systems'. Proc. of the Increasing Coconut Land Productivity through Agroforestry Interventions held at the Coconut Research Institute, Lunuwila on 15<sup>th</sup> March. (Eds. D K N G Pushpakumara, Gunasena, H P M, Gunatilake, H A J and Singh). A publication of CRI of Sri Lanka, World Agroforestry Centre, South Asia Office, New Delhi, India and Nat. multipurpose Tree Species Res. Network of Sri Lanka.
7. Jayasinghe, S and **K. G. Prematilake** (2011). Grafting of tea for improving yield, tolerance to drought, pests and diseases. Proc. of the 222<sup>nd</sup> E & E Forum, Tea Research Institute of Sri Lanka, Talawakelle.
8. Jayasinghe, S and **K. G. Prematilake** (2011). Grafting of tea for improving yield, tolerance to drought. Proc. of the Internat. Conf. on the Impact of Climate Change on Agriculture, held at the Fac. of Agric., Univ. of Ruhuna, Kamburupitiya, Sri Lanka. P 143-149.

9. Jayasinghe, S and **K. G. Prematilake** (2010). Evaluation of growth of grafted tea plants in sealed polythene propagator at nursery and performances of stock-scion combinations at nursery and early stage in the field, Proc. of the 2<sup>nd</sup> Plantation Crop Symp., Colombo.
10. Prematilake, K.G. (2006). Novel herbicide formulations for effective control of ‘Passali kodi’ and ‘Getakola’. Proceedings of the 212<sup>th</sup> Experiments and Extension Forum, 27<sup>th</sup> Jan, The Tea Research Institute, Talawakelle, p 23-32.
11. Prematilake K. G. and P. Prematunge (2000). Potential of various green matters as sources of mulch and green manure. Proc. of the 11<sup>th</sup> Nat. Workshop on Multipurpose Trees, Multipurpose Tree Species (MPTS) in Sri Lanka, Green Manuring and Fodder Tree species for Crop-Livestock Productivity Improvement, 18<sup>th</sup> Dec. 2000, Kandy, Sri Lanka. p 35-47.
12. Prematilake, K.G. (1999). Control of Problem weeds. Proc. of the 199<sup>th</sup> Experimental and Extension Forum, Tea Res. Inst. of Sri Lanka, 23<sup>rd</sup> July '99.

### International Conferences:

1. Prematilake, K G (2017). Evaluating of bio-efficacy of the aqueous solution of *Mechalia champaca* seeds in controlling common weeds in agricultural lands. Proc. of the 26<sup>th</sup> Asian-Pacific Weed Science Society Conf. (APWSS 2017 Kyoto), 19<sup>th</sup> -22<sup>nd</sup> Sep. Japan.
2. Prematilake, K G., WPAS Nawarathne, S A N Darshani, and A K V S Weerasinghe (2013). Investigation on possible development of resistance in *Crassocephalum crepidioides* (Benth) S Moor and *Erigeron sumatrensis* weeds for Glyphosate (36%) under tea in Sri Lanka. Proc. of the 24<sup>th</sup> Asian-Pacific Weed Science Society Conf. (APWSSC) held in Bandung, Indonesia during 22<sup>nd</sup> -25<sup>th</sup> October.
3. Prematilake, K G (2015). Underline causes for poor control of *Crassocephalum crepidioides* and *Erigeron sumatrensis* weeds by Glyphosate herbicide, Proc. of the 25<sup>th</sup> Asian-Pacific Weed Science Society Conf., held in Hyderabad, India during 13-16<sup>th</sup> Oct. 2015. P 425.
4. Prematilake, K.G., M.G. S Liyanage (2011). The potential of exploitation of *Ginisapu (Mechaelia champaca L.)* seeds as a natural herbicide, An Abstract, Proc. of the 6<sup>th</sup> World Congress on Allelopathy, Guangzhou, China, on 15<sup>th</sup>-19<sup>th</sup> Dec.
5. Prematilake, K G, M G S Liyanage and P Prematunge (2008). Impact of the presence of “Soft Herbs” in young tea and soil fertility status, an Abstract, Proc. of the 7<sup>th</sup> International Conference on Plant Protection in the Tropics (ICPPT), held in Malaysia on 27<sup>th</sup> -29<sup>th</sup> Aug.
6. Prematilake, K.G., Froud-Williams, R.J. & Ekanayaka, P.B. (2007). Investigation on the weed seed bank under different weed management methods in young tea (*Camellia sinensis* [L. Kuntze])", Proc. of the 21<sup>st</sup> Asian-Pacific Weed Sci. Soc. Conf. held in Colombo, Oct. 2-6, p 378-382.
7. Prematilake, K.G. (2005). Impact of various harvesting intervals of Passali from tea canopy on the productivity of tea in high-grown tea. Proc. of 20<sup>th</sup> Asian-Pacific Weed Sci. Soc. Conf. held in Hochi Ming city, Vietnam, during 7<sup>th</sup>-11<sup>st</sup> Nov. 2005, p 640-647.
8. Ekanayake, P.B., **Prematilake, K.G.**, Jayasekara, A.P.D.A. (2005). Impact of some weed management strategies on the productivity of tea plantations of Sri Lanka. Proc. of 20<sup>th</sup> Asian-Pacific Weed Sci. Soc. Conf., Hochi Ming city, Vietnam, 7-11<sup>th</sup> Nov. '05, p 648-655.
9. Prematilake, K. G and Gamage, (2003). A. Impact of some cultural and agronomic practices on the management of Getakola [*Spermacoce hispida* (L.)] in the high-grown tea. Proc. of 19<sup>th</sup> Asian-Pacific Weed Sci. Soc. Conf. held in Manila, Philippines, during 7<sup>th</sup>-21<sup>st</sup> Mar., p 318-325.

10. Prematilake, K. G., R. J. Froud-Williams and P.B. Ekanayake (1999). Investigation of period threshold and critical period of weed competition in young tea. Proc. of the 1999 Brighton Conf: Weeds, United Kingdom, Vol 1-3, 363-368.

### Other Technical Reports

- 1 Shyamalie, H W, M A Wijeratne, W S Boteju, K. G. Prematilake (2013). Establishment of energy plantations in the corporate tea sector in Sri Lanka, Tea Bulletin, Vol. 22,(1 & 2), Dec., Tea Research Institute of Sri Lanka, Talawakelle, pp 33-47.
- 2 Prematilake, K.G. (2007). Detection of glyphosate and 2,4-D herbicide residues in made tea, Tea Bulletin, Tea Res. Inst. of Sri Lanka
2. Prematilake, K. G. (2004). Management of Passli kodi (*Andredera cordifolia* L.) in tea fields. Tea Bulletin **18** (1 & 2). p 20-23.
3. Prematilake, K. G. and P.B. Ekanayake (2004). Beware of Arunadevi, The invasive alien. Tea Bulletin **19** (1 & 2). p 8-9.
- 4 Prematilake, K.G. and P. B. Ekanayake (2004). Be cautious in use of Glyphosate on tea plantations, J. of the Nat. Inst. of Plant. Management (NIPM), **20** (02), p1-7.
- 5 Prematilake, K.G. (2007). “Scenario of detection of herbicide residues in exported tea, its repercussion, possible causes & way out”, J. of NIPM, Nat. Inst. of Plan. Management, Aturugiriya.
- 6 Prematilake, K.G, Gamage, A. Ekanayake, P. B. (2003). Management of Getakola (*Spermacoce hispida* L.), J. Nat. Inst. Plant. Management (NIPM), **19** (1) p19-29.
- 7 Mahindapala, J. and **Prematilake, K.G.** (2001). Tea Cultivation: Weed Management (Revised), Advisory & Extension Service, The Tea Res, Inst. of Sri Lanka, August.

### News Letters/ Articles in Scientific Magazines

01. Prematilake, K.G. (2013). Development of resistance in two weeds for Glyphosate herbicides, *Crop Life*, Sri Lanka Plant Protection Industry Journal, Full member of Croplife Asia, December, Vol 7, pp 102-104.
02. Prematilake, K.G., M G S Liyanage (2013). Two new grass species as alternative rehabilitation grasses for soil rehabilitation before replanting of tea. ‘THE TATHU’ News Letter, TRI, Talawakelle, Vol 10, No. 1, June, pp 1-2, ISSN 1391-6875.
03. Liyanage, S and K.G Pematilake (2011). *Wasunak lesa Agantuka* Invasive DiyaPara (*Dillenia suffruticosa*) plant as a mulch for tea, ‘The Tathu’, A Newsletter, Tea Research Institute of Sri Lanka, Dec. Vol. 8 No 2, ISSN 1391-6785.
04. Prematilake, K.G. and Ratnapriya, K.H.M.S. (2007). Promotion of root growth of Mal Ratakaju (*Arachis pintoi*) . TRI UPDATE, Vol 12, No.2 Dec. Tea. Res. Inst. of Sri Lanka, ISSN 1391-6793, p 1
05. Prematilake, K.G., S. Liyanage, T. Pinidiya and U. Jayasingha (2006). Management of Cooch (*Panicum species*) weed in organic tea system. TRI UPDATE, Vol 11, No. 2, Dec. ISSN 1391-6793, p 9-10.
06. Prematilake, K.G., S. Liyanage (2006). *Arachis pintoi* –A promising bio-control agent for Panicum spp (A new Cooch spp), Agricultural Res. News, CARP, Colombo. Vol.7, No.3, July-Sep. ISSN 131-5223 p 6.

07. K. G. Prematilake (2006). "Wal Nashaka Prevesamen", 'The Thatu' Vol 6 No.1, Jan-June.
08. Prematilake, K.G.(2004). Commelina Weed in Nuwara Eliya. TRI UPDATE, 9 June, p 3.
09. Prematilake, K.G. (2004). Problem weeds in the Low Country TRI UPDATE, 9 June, p4-6.
10. Prematilake, K.G. (2002). Prevention is more effective than controlling of weeds (*Walpeleti wedeema walakagenima eva mardanayata wada pratipaladayakaya*) A Sinhala article. "THE TATHU", a News Letter, Tea Res. Inst. Sri Lanka, 2 (2), July-Dec., p 4.
11. Prematilake, K.G. (2002). Beware of Arunadevi, [*Arunadevigen Prevesam Vemu*], A Sinhala article. "THE TATHU", a News Letter, Tea Res. Inst. Sri Lanka, 2 (1), Jan-June p1.
12. Prematilake, K.G. and A. Gamage (2002). Management of Getakola weed in Tea Plantation, "TRI UPDATE". Tea Res. Inst. Sri Lanka, 7(1). June, p 1.
13. Prematilake, K.G. (2001). "Mulches and Green Manure from your home garden" [Gewatten *The Idamata Wasun ha Kola Pohora.*] "THE TATHU", a News Letter, The Tea Res. Inst., Sri Lanka, 01 (2), July-Dec. p 3.
14. Prematilake, K.G., R J Froud-Williams, P. B. Ekanayake (2000). Weeds in young tea, Under "Controlling Weeds in Tropical Agriculture –Part 2, Internat. Pest Control, July/Aug. 2000, Vol 42 No. 04, p 125.
15. Prematilake, K. G. (1999). Some thoughts on glyphosate use, 'TRI UPDATE', Tea Res. Inst. of Sri Lanka, 4 (01), Sep. 1999.
16. Prematilake, K. G. (1997). 'Weed Competition Threshold'. 'TRI UPDATE', Tea Res. Inst. of Sri Lanka, 02 (2), Dec. 1997.
17. Prematilake, K. G. (1996). An Alternative Source of Mulch for Tea Lands - *Flemingia congesta*. 'TRI UPDATE', Tea Research Institute of Sri Lanka, 01 (2,) June, 1996.
18. Prematilake, K. G. (1996). *Flemingia congesta* - An Alternative Mulching for Tea Lands, 'MPTS NEWS', Multipurpose Tree Species Network- Sri Lanka, 5 (Jan-June) 1996.

#### **Public orations:**

Prematilake, K.G. (2005). Towards safe agriculture production through integration of agronomic and plant protection techniques in plantation crops: with special reference to tea plantation". "Presidential Talk", Section B-SLAAS, Proceedings of the 61<sup>st</sup> Annual Session of the SLAAS, Part II, Inaugural & Presidential Address, held at the Open University of Sri Lanka, Dec 12-17, p 34-58.

#### **News Paper articles:**

1. Prematilake, K G (2005). "Nawa Dalu Koodaya won the second gold medal" A news paper article on the introduction of new Collapsible plucking basket invented by Dr M A Wijerathne, Tea Research Institute, May 30<sup>th</sup> 2005.
2. Prematilake, K G (2004). 'Pahatha Rata kuda the idam palanaye anagathaya', (Future of the management of tea small holdings in the Low Country) 'Govibima', Lankadeepa , 30<sup>th</sup> August.
3. Prematilake, K G (2004). 'Wal Sooriyakantha' (Wild Sun flower), 'Govibima', Lankadeepa, 12<sup>th</sup> July.



4. Prematilake, K.G and Ekanayake, P.B. (2004). Be cautious in the use of Glyphosate for weed control in tea plantations. Daily News, Lake House, Colombo. 24<sup>th</sup> June.
5. Prematilake, K.G. (2004). “Be careful in glyphosate use in tea”, Dinamina, Lake House, 01<sup>st</sup> June.
6. Prematilake, K G (2004). ‘The wagawata nethiwama bery sevana’, [Shade is indispensable for tea], Govibima, Lankaddepa, 5<sup>th</sup> July.
7. Prematilake, K G (2003), ‘The wagawe walpelatiu mardanaya pravesamen’(Use herbicides more carefully in tea fields)’, Govibima’, Lankadeepa, 13<sup>th</sup> Oct.
8. Prematilake, K.G. (2003). “Arunadevi den weduna hondatama ethi”, “Govibima”, Lankadeepa, 18 Aug. 2003.
9. Prematilake, K.G (2003). “Mal Geniyanno- Wal Paturanno”. (Dissemination of weeds by the carriers of flower plants). “Govibima”, Lankadeepa. 08<sup>th</sup> Sep.
10. Prematilake, K.G (2003). “Ganwaturen haniwu pahatarata the wagawe yali naga situwanne keseda?” (How to revitalize the low grown tea affected by recent flood), “Govibima”, Lankadeepa. 30<sup>th</sup> June.
11. Prematilake, K.G (2003). “Nisi bawithayakin thora ape saka sampath”. (Underutilized plant resources in Sri Lanka). “Govibima”, Lankadeepa. 08<sup>th</sup> June
12. Prematilake, K.G (2002). “Pasa saru kirimata gathaheki ape saka sampath”, (Our plant resources that can be exploited for soil improvement). “Aswenne”, Dinamina. 19<sup>th</sup> March.
13. Prematilake, K. G. (2000). "SALT- A Sustainable Agricultural Technology that benefit the Tea Cultivation". A Sinhala Newspaper article in "Dinamina", 15<sup>th</sup> June, Sri Lanka.
14. Prematilake, K.G (1998). “The idamwala pansu ha jala sanrakshanaya sandaha kola pohora”. (Green manure for soil and water conservation in tea lands). “Dinamina”, 24<sup>th</sup> June.
15. Prematilake, K.G (1995). “Bawum krusikarmika idamwala paladaythawa wedi diyunu kirima sandaha new kramawwedayak”. (A new approach to improve the productivity of sloping agricultural lands). “Satiya sakachchawa”, ‘Vidusara’. 08<sup>th</sup> Feb.

### ***Theses/Dissertations***

Thesis entitled, '*Studies on Weed Management during Early Establishment of Tea (Camellia sinensis) in Low-Country of Sri Lanka*'; The University of Reading , United Kingdom

Thesis entitled '*Rainfed Cropping Patterns For Mahaweli System C*'; PGIA, Peradeniya (1989)

### **PATENTS**

K.G. Prematilake, Formulation of a natural herbicide using Ginisapu (*Mechelia champaca*) seeds, Patent No. 14253 on 11<sup>th</sup> December 2007.

## **RECENT RESEARCH PROJECTS INVOLVED**

- 1) Investigating on eco-friendly cultural, physical and allelopathic weed management strategies for tea cultivation as alternatives for synthetic herbicides under the special grant of the National Research Council, Colombo (EWC 18-05).
- 2) Potential of application of *Commelina benghalensis* weed as a live ground cover in tea fields under the UWU grant (UWU/RG/ST.2019/016)
- 3) Investigations on eco-friendly control measures for Sena caterpillar (Fall Army Worm) in the Badulla district

## **THESIS SUPERVISION**

### **Supervision of University Undergraduates Research Projects**

1. Effect of biofilm biofertilizer on soil fertility improvement, tea growth and yield on up country intermediate zone by Sureka W P T., Uva Wellassa University (2019).
2. Weed survey in tea plantation at mid elevation in Balangoda region by Thanthirige P.J.T.P.L, Uva Wellassa University (2019).
3. Weed distribution and biodiversity of weeds in tea estates of Badulla district by Tharsha G., Uva Wellassa University (2019).
4. Investigating of possible Vesicular Arbuscular Mycorrhiza (VAM) associations in prevalent weeds in tea cultivation of Uva Region by Ranasinghe D.H.Y.A., Uva Wellassa University (2019).
5. Investigating the association of Vesicular Arbuscular Mycorrhiza (VAM) with *Commelina benghalensis* weed species by Herath H.M.M.P.S., Uva Wellassa University (2019).
6. Investigating the potential of use of different plant and artificial material as alternative sources of mulching in the new clearing in up country intermediate zone by WASALA W.M.O.S.K., Uva Wellassa University (2019).
7. Investigation on durability and effect of different mulch materials in young low grown tea fields, by Rathnayake, R.M.D.T., Uva Wellassa University (2019).
8. Investigating germination characteristics of *Panicum maximum* in coconut plantations of Sri Lanka, by Augustin, A M. in 2018, Uva Wellassa University, Badulla.
9. Investigating the association between Vesicular Arbuscular Mycorrhiza (VAM) and *Commelina benghalensis* by Gunasena, H M P M in 2018, Uva Wellassa University, Badulla.
10. Impact of socio economic status of Tea Small Holders on the productivity of tea lands in Passara Tea Inspector (TI) range, by Yapa, Y M S K B in 2018.
11. Willingness to adopt US Dollars in Colombo tea auction by Tennakoon, T M S K, Uva Wellassa University in 2017.
12. Evaluation of tea small holders currently involve in organic tea farming in Badulla district, by Katugaha, B H M N E B in 2017.
13. Evaluating bio-efficacy of aqueous solution of *Mechelia champaca* seeds in controlling common

- weeds in agricultural lands by Deepani, P K M in 2017, Uva Wellassa University.
14. Evaluating the germinability of seeds and growth performances of nursery plants of alternative shade tree species in tea plantations by Suman, Uva Wellassa University in 2016.
  15. Evaluation of the physical and chemical stability of different formulations of Diazinon (50%) within its self-life by Kularathne, H A S P. Uva Wellassa University in 2016.
  16. Brokers' and Buyers' willingness to sell green tea through Colombo auction by Wijsekara, B A L A, Uva Wellassa University in 2017.
  17. Evaluation of tea small holders currently involve in organic tea farming in Badulla district, by K Ajith, Uva Wellassa University in 2016.
  18. Market analysis on young adult's purchasing decision regarding tea products by Vidanapathirana, S M, Uva Wellassa University, Badulla in 2016.
  19. Determinants of Ceylon black tea market penetration in Chinese tea market by Kirusia, R., Uva Wellassa University in 2016.
  20. Value addition to off grade tea by incorporating tea aroma by Ellepola V.P, Uva Wellassa University in 2016.
  21. Impact of pesticide use practices on farmer's health: A case study in Wijayagama and Eherenda in Matale district by Dulanjalee, K G A P, Uva Wellassa University in 2016.
  22. Conjoint analysis to evaluate the consumer preference on flavoured tea by Gunarathna, W A H A., Uva Wellassa University in 2016.
  23. Investigating the underline causes for poor control of *Crassocephalum crepidioides* (Thandam pillu) weed by Glyphosate in the Uva region, by Priyani, A G S, Uva Wellassa University, in 2015.
  24. Determination of possible development of resistance in *Crassocephalum crepidioides* and *Erigeron sumatrensis* weeds for glyphosate herbicide by A K V S Weerasinghe of the Fac. of Agriculture, Sabaragamuwa University (2013).
  25. Screening of new herbicide formulation Indeziflam for weed control in tea by D A A D Atukorala of the Fac. of Agriculture, Sabaragamuwa University (2013).
  26. Perception of tea small holders in Badulla district for adoption of mix cropping by M A N Swarnamalee of the Fac. of animal Sci. and Export Agriculture, Uva Wellassa University (2012).
  27. Investigations on possible causes for poor control of *Crassocephalum crepidioides* and *Erigeron sumatrensis* weeds by glyphosate herbicide by S A N Darshani of the Fac. of Agriculture , Univ. of Ruhuna (2011).
  28. Investigations on the durability and ability of suppression of weeds and status of soil nutrient improvements with ground mulching of crushed empty fruit bunches of oil palm by D L D Lakmali of the Fac, of Agriculture, Univ. of Ruhuna (2010).
  29. Investigations on the development of resistance in *Crassocephalum crepidioides* and *Erigeron sumatrensis* weeds by glyphosate herbicide by W P A Nawarathne, Univ. of Ruhuna (2010).
  30. Promotion of root growth of VP cuttings of *Arachis pintoii* and study on the suppression of growth of *Panicum* spp weed 'Cooch', by S. Ratnapriya, Fac. of Agriculture, Univ. of Peradeniya (2007).
  31. Potential of soil improvement through green manuring and composting in Tea Small holding sector in the Ratnapura region by R W Gurugamage , Fac. of Agriculture, Univ. of Ruhuna (2007).

32. Effect of different lime forms on tea bush sanitation and tea plant growth by L K K D Batagoda, Fac. of Agriculture, Univ. of Ruhuna (2006).
33. Impact of various adjuvants on herbicidal efficacy in the control of weeds in tea cultivation by H M M Malkanthi, Fac. of Agriculture, Univ. of Ruhuna (2006).
34. Study on growth, morphology and control of *Clidemia hirta* (Bovitiya) weed by S.T. Ranasinghe, Fac. of Agriculture *University of Peradeniya* (2006).
35. Studies on favourable weeds in tea cultivation by A. K. Ariyasena, *Aquinas College of Higher Studies, Colombo* (2005).
36. Investigation of allelopathic properties of various plant materials using indicator plants by H.A.T.N. Amarasena, Fac. of Agriculture *University of Peradeniya*. (2005).
37. Studies on the spread of Wel kohila weed (*Syngonium podophyllum*) in tea cultivation and its management by W.M.P.K. Wijesundara, Fac. of Agriculture *Univ. of Ruhuna* (2004).
38. Morphology and growth studies on *Wedelia trilobata* (Arunadevi) and *Syngonium podophyllum* (Vel Kohila) weeds by D.M.K.W. Gunasekera, Fac. of Agriculture *University of Ruhuna*. (2004).
39. Performances of Pre-and Tank-mixed herbicide formulations on the control of common weeds and Wel Kohila (*Syngonium* spp) present in tea fields by H.M.S. Kumara, Fac. of Agriculture, Sabaragamuwa University of Sri Lanka. (2003).
40. Estimation of weed seedbank in various categories of tea fields and investigation of the efficacy of various herbicides on the management of Vel Kohila weed by C.S. Hettiarachchi, Fac. of Agriculture, *University of Ruhuna*. (2003).
41. Low country tea production and manufacturing by H.M.S. Kumara, Fac. of Agriculture, Sabaragamuwa *University of S.L.* (2002).
42. Weed controlling efficacy of Glyphosate herbicide incorporated with various surfactants. By T.S. Dankumbura, Fac. of Agriculture, *University of Ruhuna*. (2001).
43. Effect of various leaf materials as mulches and their extracts on the suppression of germination and growth of bulbils of Passali kodi weed (*Anredera cordifolia*), and effectiveness of adjuvants for Glyphosate herbicide in the control of couch grass(*Panicum repens*), by S M P Pasqual, Fac. of Agriculture *University of Ruhuna*. (1999).
44. Study on the rate of shoot growth of tea clones, TRI 2025 and TRI 2023 in the low country by H.S. Premachandra, Fac. of Agriculture, University of Ruhuna (1993).

## **TEACHING CONTRIBUTION**

## **WORK EXPERIENCE**

### **Teaching and Curriculum Development/ Course contents:**

As an initiative to the curriculum revision a Self Assessment Report was submitted to the Faculty in 2016 , after reviewing the stakeholders responses particularly the passed out graduates of Tea Technology & Value Addition degree and made a presentation to the faculty for further review.

### **Teaching and revision of course content of Tea cultivation & Management (TEA 112-3) (TEA 152.3)**

Ecological requirements for tea cultivation, Agro-ecological regions suitable for tea cultivation, Land Selection, Tea Varieties/Jats/Types, Tea Nursery Management, Land Preparation, Soil Rehabilitation/Establishment of Shade, Planting of Tea, After Care Operation – Fertilizer Application, Shade Management and Bush Management, Establishment of Green manure crops and cover crops, Bringing into bearing, Pruning of Tea, Harvesting of Tea.

### **Teaching and revision of undergraduate core course; Integrated Weed Management (IWM) under Pest and Disease Management EAG 112 -2 (25:10)**

Definitions: Classification of weeds, Weed Biology, Detrimental effect of weeds/ Favourable effects of weeds, dispersal of weeds, vegetative and sexual propagation, weed seed bank in soil, factors attributed to heavy occurrence of weeds, Prevention of weeds occurrence; cultural, physical, manual/mechanical and biological weed management- IWM, weeds found in tea and other plantation crops, paddy, other cereals, legumes, oil crops, spice crops, horticultural crops, ornamental plants.

### **Teaching and preparation of course content of (PLT 351.1) Crop Diversification and Energy Plantation Management**

Introduction: Why Crop Diversification is necessary?/ Its' impact on the Economy, Dependent factors for crop diversification,

Different types Farming Systems/ Cropping Systems (Intercropping, mixed cropping, Alley cropping, relay cropping, crop rotation), Crop Diversification in tea estates with rubber, with tea, with fruit trees, with timber and fire wood spp), Advantages/Disadvantages.

Energy Plantation Management : Definition, Energy plantation tree species- (Major and Miscellaneous), Their cultivation and Management, (Gliricidia/ Calliandra/ Rubber/ Eucalyptus), Miscellaneous crops: Coconut/Oil Palm/Sugar cane/ *Clusia majo*, Harvesting of Bio Fuel materials, yield potential, Economic benefits /Importance, Energy utilization (Calorific values).

### **Teaching and revision of undergraduate course contents of “Intellectual Property Rights and Commercialization” EAG 424.1 (15)**

Introduction to IPR and Commercialization, Copyrights and fair use of work, Patents and requirements for patents, Surrender and Nullity of Patents & Infringements and penalties, Class test, Industrial Designs and rights to industrial designs, Renunciation, nullity, infringement and penalties of industrial designs, Trademarks: admissible & inadmissible marks, associate marks and rights to trademarks, Procedure for obtaining trademarks and infringement & penalties of trademarks, Commercialization process and innovation.

### **Teaching and revision of undergraduate course contents of “An overview of tea Industry- TEA 141 1 (TEA 131-1) (12:06)”**

History of plantation sector , Institutional frame work of Sri Lanka Tea Industry, Present status and future challenge of Sri Lanka Tea Industry, Global Tea Industry, Analysis of production, productivity and consumption trends, Marketing and value addition of Sri Lankan Tea, Labour Management and planning in tea sector, Social development and welfare activities in the tea sector

Development of new material for existing courses (both undergraduate and postgraduate)

### **Teaching and Revision of undergraduate course contents of “Plantation Crop Production and Processing” EAG 255. 3 (39:12)**

Criteria for land suitability for tea, rubber and coconut - Soil types & climatic parameters and suitable agro-climatic regions for crops.

New/old land clearing, removal of plants/ roots, forking, levelling/contour lining, cutting drains/rehabilitation with grass, grass lopping/thatching, planting shade trees, field planting of tea

Selection of a suitable nursery site for tea, rubber and coconut, mother bushes and rooting media for tea, and nursery bed preparation, fumigation, bagging, stacking, provision of shade, supply of water, manure, restacking, training plants, pest & disease control, hardening of tea plants.

After care operations such as mulching of tea inter rows with a grass/ fertilizer application to new clearing, young and mature tea phases/ shade, cover crop and green manure crops management, weed/pest & disease management/ pruning and tipping.

Planting, spacing, method of planting, Fertiliser application, cover crop establishment, weeding for rubber and coconut.

Tea harvesting using both manual and mechanical methods and their advantages/ disadvantages, time of commencement of harvesting, different harvesting policies (04)- definitions and importance.

How to harvest rubber latex.

### **Teaching and revision of undergraduate course contents of “Other Plantation Crop Production (PLT 254 -2).**

Criteria for land suitability for tea and Sugarcane, Soil types & climatic parameters and suitable agro-climatic regions for crops.

New/old land clearing, removal of plants/ roots, forking, levelling/contour lining, cutting drains/rehabilitation with grass, grass lopping/thatching, planting shade trees, field planting of tea.

Land preparation for sugarcane, nursery management, plant spacing, method of planting, Fertiliser application for sugarcane, weeding, pest and disease control, irrigation, dethrashing , ratoon crop management.

Selection of a suitable nursery site for tea mother bushes and rooting media for tea, and nursery bed preparation, fumigation, bagging, stacking, provision of shade, supply of water, manure, restacking, training plants, pest & disease control, hardening of tea plants.

After care operations such as mulching of tea inter rows with a grass/ fertilizer application to new clearing, young and mature tea phases/ shade, cover crop and green manure crops management, weed/pest & disease management/ pruning and tipping of tea.

Tea harvesting using both manual and mechanical methods and their advantages/ disadvantages, time of commencement of harvesting, different harvesting policies (04)- definitions and importance.

Sugar cane harvesting

### **OTHER POSITIONS HELD**

Senior Lecturer, Grade II (Probationary), Department of Export Agriculture, Faculty of Animal Science & Export Agriculture, Uva Wellassa University of Sri Lanka, since 05<sup>th</sup> May 2014 until 17 Sep. 2017.

Research Assistant in Agronomy 1990-1997

Agronomist /Senior Research Officer (Grade I) 1997-2007

Head, Agronomy Division; Tea Research Institute of Sri Lanka, Talawakelle, Sri Lanka; from 2007-2014.

## **RESOURCE PERSON**

1. Resource person in 'Randalu Mahimaya' exhibition cum Conference organized by the Galle District Secretariat in 2015 for active participation in the exhibition with undergraduates of UWU and delivering a lecture on Value addition in tea.
2. Served as a member of the paper reviewing panel of the International Symposium on Agriculture and Environment, Faculty of Agriculture, University of Ruhuna, in 2014.
3. Resource person in the Regional Scientific Committee Forums for tea small holders of the Kalutara district on Shade Management and Weed Management in tea.
4. Resource person in the discussion on reorganizing of the NIPM Journal in 2016 at the NIPM, Aturugiriya.
5. Served as an Abstract Reviewer of 5<sup>th</sup>, 6<sup>th</sup> Research Symposium and International Symposium of the Uva Wellassa University in the year 2014, 2015 and 2016.
6. Resource person to the Workshop for the Superintendents & Assistant Superintendents on location specific tea diseases problems, Conducted at the TRI for Kelani Valley Plantations Ltd., December 2000.
7. Served as a member of the Research Paper Selection/Editorial Board of the SLCARP National Symposium held in 2014.
8. Participated as a member of Evaluation Panel in the "Business Solution Award 2015" held in September 2016 at the Uva Wellassa University.
9. Resource person, Regional Scientific Committee (RSC) – Mid country Forum, organised by the Advisory and Extension Division of TRI, Hantana, Kandy and RSC – Uva Forum, organised by the Advisory and Extension Division of TRI, Passara.
10. Resource person, to a number of workshops on Integrated Weed Management; sponsored by the National Institute of Plantation Management (NIPM).
11. Resource person in the workshop for Kahawatte Plantations PLC on 'Pruning of Tea and infilling tea on vacant patches' on 22<sup>nd</sup> August 2012.
12. Resource person in the workshop on Fertilizer use and soil fertility management strategies for Managers and Assistant Managers of Elpitiya Plantations PLC.
13. Resource person in the workshop for Kahawatte Plantations PLC on 'Integrated Soil Fertility Management and Integrated Weed Management' on 16<sup>th</sup> and 17<sup>th</sup> August 2010.
14. Resource person in the workshop on "Plucking and Agricultural practices towards improving field and labour productivity on 23<sup>rd</sup> July 2013.

15. Resource person in field training programme for the undergraduates of Rajarata University who follow Perennial Crop Production II on April 2013 at the TRI.
16. Resource person in field training programme for the undergraduates of Faculty of agriculture, Jaffna University on June 2013 at the TRI.
17. Resource person in field training programme for final year undergraduates of Faculty of agriculture, University of Peradeniya on agronomic practices of the TRI on May 2013.
18. Resource person for conducting a successful Field Day for officers of Agrakanda estate of Watawala Plantations PLC on February 2011.
19. Resource person & Coordinator of “Crop Clinic” organized for Tea Small Holders of the Kelinkanda area of Kalutara district on December 2012.
20. Served as a Track Coordinator of the 6<sup>th</sup> Research Symposium of the Uva Wellassa University held in January 2016.
21. Panel Member of Technical sessions of International Symposium 2010 of the Faculty of Agriculture, University of Ruhuna, Mapalana.
22. Resource person for delivering a lecture on Watershed Management in the Tea estates of the Up country organized by the Water Supply Board, Nuwara Eliya.
23. Resource person to deliver a lecture on “Increasing tea productivity through Agroforestry systems” at the Conference on increasing productivity through agroforestry interventions jointly organized by World Agroforestry Centre, South Asia Office, New Delhi, India and Nat. multipurpose Tree Species Res. Network of Sri Lanka held at the Coconut Research Institute, Lunuwila on 15<sup>th</sup> March 2011.

#### **TRAININGS AND WORKSHOPS ATTENDED**

1. Participated in five day workshop on multivariate analysis sponsored by Winrock International F/FRED at the PGIA, University of Peradeniya in 1992.
2. Followed the Master Trainers Course on ‘Safe and effective use of pesticides’ held in Faculty of Agriculture, Wayamba University, Makandura, Pannala, organized by CIC, Colombo and conducted by Zeneca Agrochemicals, UK, during 13<sup>th</sup> -17<sup>th</sup> Oct. 1997.
3. Participated in three day “Outward bound training weekend challenge” programme organized by the Outward Bound Trust of Sri Lanka in collaboration with Sri Lanka Business Development Centre at Dambullu Oya OB Centre, Dambulla in 2003.
4. Successfully followed a Course on ‘Rice based Cropping Systems with a distinction in the International Rice Research Institute (IRRI), Los Banos, Philippines in 1988, under higher study programme attached to the PGIA, Peradeniya sponsored by the Overseas development Agency, UK.
5. Participated in five day workshop on Sloping Agricultural Land Technology (SALT) held at the Mindanao Baptist Rural Life Center, Davao, Mindanao, Philippines in 1992.
6. Participated in a two-day workshop on “Outcome based and student centered curriculum development and revision” organized by the Staff Development Centre of the Uva Wellassa University, in November 2017.
7. Participated in three day “Outward bound training” programme organized by the Uva Wellassa University at Maduru Oya Special Force centre, MaduruOya in 2018.



8. Invited participation at the Curriculum Development Stake Holder workshop of Faculty of Agricultural Science of the Sabaragamuwa University of Sri Lanka in 2008.
9. Invited participation at the Curriculum Development Stake Holder workshop of the Faculty of Agriculture of University of Ruhuna in 2006.
10. Resource person to the workshop on Curriculum development of BSc in Agriculture Engineering Technology Degree programme of the Uva Wellassa University in developing course contents of Agronomy related subjects.
11. Resource person to the proposed External Degree Programme in Agricultural Sciences to develop course contents/blue prints in two course modules, Agronomy and Plantation Crop Cultivation and Management.
12. Participated in the workshop organized by the Uva Wellassa University for AHEAD project in 2018 at Badulla.
13. Participated in the workshop organized by the Uva Wellassa University for SER writing in 2019 at Badulla.

#### **EDITOR/REVIEWER ASSIGNMENTS**

1. Editorial Board member of the National Symposium and 'Food and Agriculture' Journal of the Sri Lanka Council for Agricultural Research (SLCARP) since 2014-to date (2017).
2. Editorial Board member of the Journal of Agricultural Sciences of the Faculty of Agriculture, Sabaragamuwa University of Sri Lanka, ISSN 1391-9318 during 2005-2010.
3. Member of the Publication and Presentation Panel (PPP) for peer reviewed journals (J. of Tea Science and Tea Bulletin) and other publications of the Tea Research Institute, Talawakelle since 2007-2014.
4. Served as a paper reviewer of the Journal of Agricultural Sciences of the Faculty of Agricultural Sciences, Sabaragamuwa University of Sri Lanka in 2010, being a member of the Editorial Board.
5. Served as a referee to select abstracts for the International symposium for 'Sustainable Agriculture for Prosperity' of the Faculty of Agriculture, University of Ruhuna held in Nov. 2010.
6. Served as a member of paper reviewing panel of the International symposium on 'Agriculture & Environment 2013' of the Faculty of Agriculture, University of Ruhuna.
7. Reviewing and editing of the book on 'Weeds in Tea lands in Sri Lanka', An Illustrated Guide to identify the weeds in tea lands by the Head of the Division and myself.
8. Served as an Abstract Reviewer of 5<sup>th</sup> Research Symposium of the Uva Wellassa University held in 8<sup>th</sup>-9<sup>th</sup> January 2015.
9. Served as an Abstract Reviewer of 6<sup>th</sup> Research Symposium of the Uva Wellassa University held 28<sup>th</sup>-29<sup>th</sup> January 2016.
10. Served as a member of the review panel of the International Research Symposium of the Uva Wellassa University held on 19-20 January 2017.
11. Served as a Evaluator of the Research proposals in the Agriculture and Food Science Research Panel of the National Science Foundation in 2012 and as a paper reviewer for No. of manuscripts.
12. Served as an Evaluator of a manuscript for the Journal of Tea Science of the Tea Research Institute in 2015.

13. Drafting and final editing of 05 new Advisory Circulars of the Tea Research Institute (Sinhala & English).
14. Safe and Effective Use of Herbicides, TRI Advisory Circular, No. WM 3, Serial No. 11/03, 2003, July.
15. Integrated Weed Management in Tea, No. WM1 Serial No. 9/03, 2003, July and Herbicides and Their Use in Tea, No. WM 1, Serial No. 9/03, 2003, July.
16. Chemical Control of Weeds, No. PU 3, Serial No. 05/08, 2008, Dec.
17. Weed Management using Herbicides, No. PU 3, July 2012, Serial No. 03/12.
18. A 'Precautionary Note on Use of Glyphosate in tea plantations' was first drafted and finally edited jointly by Mr P B Ekanayaka and K.G. Prematilake and issued by the TRI in 2000. It was further amended and issued as a Guidelines 'Cautionary Note on Use of Glyphosate' by the TRI in 2009.
19. Appointed as the Coordinator for the revision of all Advisory Circulars of the Tea Research Institute in order to update with new technologies developed, during 2013-14.

### **SCIENTIFIC SOCIETIES MEMBERED**

1. President of Section B, (Agriculture and Forestry) of the Sri Lanka Association for the Advancement of Science (SLAAS), Colombo in 2005.
2. Member of the Faculty Board of the Faculty of Agriculture, Sabaragamuwa University of Sri Lanka during 2002-2008
3. A member of the Editorial Board of the Fac. of Agriculture, . Sabaragamuwa University of Sri Lanka 2006-2010.
4. A member of the Pesticides Screening Committee of the TRI since 2004.
5. A member of the National Plant Protection Committee of the CARP, Sri Lanka during 2002-2014.
6. A member of the Editorial Board of the CARP, Sri Lanka.
7. A member of the National Committee of Agriculture and Forestry of the CARP, Sri Lanka during 2011-2014.
8. A Committee Member of the Agriculture & Forestry Section (Section B), SLAAS for the years 2004 and 2006.
9. A Committee Member of the General Research Committee (GRC) of the SLAAS since 2006 and 2007
10. Life Member of the Soil Science Society of Sri Lanka
11. Life Member of Applied Statistics Association of Sri Lanka.
12. Life Member of Institute of Biology

### **PERSONAL INFORMATION**

Surname : Prematilake  
 Name : K G Prematilake  
 Sex : Male  
 Date of Birth : 19 11.1958  
 Marital Status : Married  
 Nationality : Sri Lankan  
 Contact : 071 8185592