



## Mr. Kosala Anuradha Samarasingha

Assistant Research Technologist

Herbal Technology Section

### Qualifications

Diploma in Laboratory Technology in Chemistry Merit (I.Chem.C)

### Contacts

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### Specialized Fields

- Analysis of herbal drugs & cosmetics
- Phytochemical and physicochemical properties of herbal plants
- Preparation of herbal tea
- Analysis of Spice ,Essential oils and Balm
- Analysis of Sanitizer and Cologne

### Interest Areas

- Research and development activities on standardization of medicinal plants
- Research and development work on spice, essential oils,

### Publications & Communications

#### Publication

1. Siriwardane D.A.S, Dharmadasa, R.M.,and **Kosala Samarasinghe.**, (2013). Distribution of withaferin A, an anticancer potential agent, in different parts of two varieties of *Withania somnifera* (L.) Dunal. grown in Sri Lanka. *Pakistan Journal of Biological Sciences*. 16 (3) 141-144. Available at: <http://scialert.net/abstract/?doi=pjbs.2013.141.144>
2. R.M.Dharmadasa, **Samarasinghe K**, Adhihetty P, and Hettiarachchi P.L. (2013) Comparative Pharmacognostic Evaluation of *Munronia Pinnata* (Wall.) Theob. (Meliaceae) and Its Substitute *Andrographis paniculata* (Burm.f.) Wall. Ex Nees (Acanthaceae). *World Journal of Agricultural Research* 1, no. 5: 77-81. <http://pubs.sciepub.com/wjar/1/5/1/index.html#>. Ugu 733 vZiWV
3. Abeyisiri, G. R. P. I., Dharmadasa, R. M. Abeyasinghe, D. C. and **K. Samarasinghe** (2013). Screening of phytochemical, physico- chemical and bioactivity of different parts of *Acmella oleraceae* Murr. (Asteraceae), a natural remedy for toothache. *Ind. Crops Prod.* 50:852—856. Available at: <http://www.sciencedirect.com/science/article/pii/S0926669013004603>
4. Dharmadasa, R.M., Asitha Siriwardana, **Kosala Samarasinghe**, and Adhihetty, P. (2013). Standardization of *Gyrinops Walla* Gaertn. (Thymalaeaceae): Newly Discovered, Fragrant Industrial Potential, Endemic Plant from Sri Lanka. *World Journal of Agricultural Research* 1, No. 6: 101-103. doi: 10.12691. Available online at: <http://pubs.sciepub.com/wjar/1/6/1>
5. Dharmadasa, R.M., Rathnayake, R.M.D.H., Abeyasinghe, D.C., Rashani, S. A. N. **Samarasinghe, K.** and Attanayake, A.L.M , 2014 . "Screening of Local and Introduced Varieties of *Pogostemon heyneanus* Benth. (Lamiaceae), for Superior

Quality Physical, Chemical and Biological Parameters.” *World Journal of Agricultural Research*, vol. 2, no. 6 (): 261-266. doi: 10.12691/wjar-2-6-2.available <http://pubs.sciepub.com/wjar/2/6/2/index.html>

6. Luxmini. K.P.A.M.K., Dharmadasa. R.M, **Samarasinghe, K.** Muthukumarana. P.R.M. 2015.Comparative Pharmacognostic Study of Different Parts of *Withania somnifera* and its Substitute *Ruellia tuberosa*. *World Journal of Agricultural Research* 3, (1) : 28-33. Available at <http://pubs.sciepub.com/wjar/3/1/7/index.html>
7. Dharmadasa, R.M., Siriwardane, D.A.S., **Samarasinghe, K.** S.H.C.S. Rangana S.H.C.S., Nugaliyadda, L., Indika Gunawardane, Aththanayake, A.M.L. 2015. Screening of Two *Ocimum tenuiflorum* L. (Lamiaceae) Morphotypes for their Morphological Characters, Essential Oil Composition and Fruit Fly Attractant Ability. *World Journal of Agricultural Research* 3.1 1-4. <http://pubs.sciepub.com/wjar/3/1/1/index.html>
8. Kulathunga, R.D.H., Gunarathna, E.D.T.P., Jayawardhana, N.D.N., De Silva R.H.S.K., Ranasinghe R.L.D.S., Faisalhaq, M.H., **Samarasinghe, U.K.A.**, Arawwawala, L.D.A.M. (2019). Phytochemical and physico-chemical comparison: Sri Lankan and Indian varieties of *Hemidesmus indicus* R. Br Roots. *International Journal of Ayurveda*. 4 (5), 1-4.

### Communication

1. Dharmadasa, R.M., Siriwardane, D.A.S, **Samarasinghe K.**, 2012. Comparative analysis of the essential oils of two *Ocimum sanctum* L. (Lamiaceae) morphotypes grown in Sri Lanka. *Proc. 68<sup>th</sup> Annual Sessions of the Sri Lanka Association for Advancement of Science (SLAAS)*.
2. K.P.A.M.K.Luxmini, R.M. Dharmadasa, **K. Samarasinghe.** (2013). Comparative pharmacognostic aspects of *Withania somnifera* and *Ruellia tuberosa*. *Proc. first International Conference on Unani, Ayurveda, Siddha and Traditional Medicine*, 36.
3. Siriwardane D.A.S, Dharmadasa, R.M., **Samarasinghe K.**, 2012. Distribution of withaferin A, an anticancer potential agent, in different parts of two varieties of *Withania somnifera* (L.) Dunal. grown in Sri Lanka. *Proc. INSYM 2013*.
4. Abey Siri, G. R. P. I., Dharmadasa, R. M. and D. C. Abeyasinghe and **K Samarasingha** (2013). Standardization of different parts of *Acmella oleraceae* Murr. (Asteraceae), in terms of phytochemical, physicochemical and bioactive properties. *Proc. 69<sup>th</sup> Annual Sessions of the Sri Lanka Association for Advancement of Science (SLAAS)*.P 36.
5. Adhihetty P, R.M.Dharmadasa, **Samarasinghe K.**, and Hettiarachchi P.L. (2013). Phytochemical, physicochemical and antioxidant activity of *Munronia Pinnata* (Wall.) Theob. (Meliaceae) and *Andrographis paniculata* (Burm.f.) Wall. Ex Nees (Acanthaceae). *Proc. 69<sup>th</sup> Annual Sessions of the Sri Lanka Association for Advancement of Science (SLAAS)*.P 269.
6. Perera, H.A.R.P., Karunagoda, K., Perera, P.K., **Samarasingha, K.**, Arawwawala, L.D.A.M. (2015). *Phyllanthus niruru* Linn grown in Sri Lanka: *Proceedings of National Conference on Indigenous systems of medicine-2015. Bandaranaike Memorial Ayurvedic Research Institute, Maharagama*. p.75.
7. Karunaratne, T.D.N., Sugataratana, K., Ariyawansa, H.A.S., Silva, H.A.D., **Samarasingha, K.**, Arawwawala, L.D.A.M. (2015). *Standardization of Sarasvatha Choorna: Used as a remedy for dementia. Proceedings of 3<sup>rd</sup> International Conference on Ayurveda, Unani, Siddha & Traditional Medicine (ICAUST 2015), Institute of Indigenous Medicine*. p. 6.
8. Arawwawala, L.D.A.M., **Samarasingha, K.**, Binduhewa, A.M.C.U., Madushini, B.G.M. (2016). *Development of herbal tea with selected medicinal plants and evaluation of its*

*physico-chemical parameters. Proceedings of International Conference on Ayurveda, Unani, Siddha and Traditional Medicine, 4<sup>th</sup> ICAUST. pp.219*

9. Karunarathne, Y.A.U.D., Amarasinghe, A.P.G., **Samarasingha, U.K.A.**, Arawwawala, L.D.A.M. (2017). *Asparagus racemosus (Wild) of Sri Lankan origin: Physico-chemical and nutritional profiles of root powder. Sri Lanka Association for the Advancement of Science Proceedings of the 73<sup>rd</sup> Annual Sessions- 2017. p.133.*
10. Nupearachchi, C.N., Perera, V.P.S., **Samarasingha, K.A.**, Arawwawala, L.D.A.M. (2017). *Analysis of selected varieties of banana piths as electrolyte in bio-batteries. International conference on Ayurveda, Unani, Siddha and Traditional Medicine (5<sup>th</sup> ICAUST 2017), Sri Lanka.p.217.*
11. Perera, H.A.R.P., Karunagoda, K., Perera, P.K., **Samarasingha, K.**, Arawwawala, L.D.A.M. (2017). *A randomized single blind comparative trial to evaluate the efficacy of whole plant of Phyllanthus niruri Linn crude powder with Pushyanuga Churna in the management of Rakta Pradara due to Dysfunctional Uterine Bleeding (DUB). Salakya Sandipani 2017, Gampaha Wickramarachchi Ayurveda Institute, Sri Lanka. p.89.*
12. Kulathunga, R.D.H., Gunarathna, E.D.T.P., Jayawardhana, N.D.N., De Silava R.H.S.K., Ranasinghe R.L.D.S., Faisalhaq, M.H., **Samarasinghe, K.A.**, Arawwawala, L.D.A.M. (2018). *Phytochemical and physico-chemical comparison of roots of Heen Iramasu and Maha Iramasu (Hemidesmus indicus Linn). International Conference on Ayurveda, Unani, SIDDHA AND Traditional Medicine (6<sup>th</sup> Icaust 2018). p.114*