	Prof. R.M. DHARMADASA Director / Research Professor Herbal Technology Section
Qualifications	 B.Sc. Sp. (Hons) - Agriculture -University of Ruhuna, Sri Lanka M.Phil. – Botany (Biochemistry & Plant tissue culture) University of Sri Jayawardanepura, Sri Lanka Ph.D. – Botany (Plant systematics & secondary metabolites) University of Sri Jayawardanepura, Sri Lanka
Contacts	E-mail: <u>dir_hts@iti.lk</u> , <u>dharma@iti.lk</u>
Specialized Fields	 Organic agriculture & insect pheromones Agronomy & processing technology of medicinal plants Tissue culture of medicinal, aromatic and ornamental plants Plant taxonomy / Molecular taxonomy Plant secondary metabolites and bioactive compounds Pharmacognosy
Interest Areas	 Natural pesticides and insect pheromones, tissue culture technology for medicinal and ornamental plants, agrotechnology for medicinal plants, plant secondary metabolites and their biological activity, pharmacognosy of medicinal plants, organic farming
Publications	 Dehl Gamage Nadeeshani Dilhara Gamage, Rathnayaka Mudiyanselage Dharmadasa, Don Chandana Abeysinghe, Rathnayaka Gamlathge Saman Wijesekara, Gamika A. Prathapasinghe, Takao Someya, (2022). Global perspective of Plant-based cosmetic industry and possible contribution of Sri Lanka to the development of herbal cosmetics. <i>Evidance-Based Complementary and Alternative Medicine</i>, 2022 Article ID 9940548, 26 pages, 20 <u>https://doi.org/10.1155/2022/9940548</u> Subramaniam Prabagar, Rathnayake Mudiyanselage Dharmadasa, AnantharasaLintha,SuganjaThuraisingam,JasothaPrabagar (2021). Accumulation of heavy metals in grape fruit, leaves, soil and water: A study of influential factors and evaluating ecological risks in Jaffna, Sri Lanka. Environmental and Sustainability Indicators, 12. <u>https://www.sciencedirect.com/science/article/pii/S2665972721000489</u> Dehel Gamge Nadeeshani Dilhara, RathnayakeMudiyanselage Dharmadasa, Don Chandana Abeysinghe, Rathnayake Gamplathge SamanWijeekara, Gamika Prathapasinghe, Takao Somea (2021). Ethnopharmacological Survey on Medicinal Plants Used for Cosmetic Treatments in Traditional and Ayurveda Systems of Medicine in Sri Lanka. Evidence-Based Complementary and Alternative Medicine. <u>https://doi.org/10.1155/2021/5599654</u>

	 4. Gamage, D.G.N.D, Dharmadasa, R.M. Abeysinghe, D.C, Wijesekara, R.G.S, Prathapasinghe, G.A; and Takao Someya, (2021). Effect of drying methods and type of packaging materials on phytochemical content and total antioxidant capacity off Fivemedicinal plants with cosmetic potential over three monts storage at ambient temperature. <i>World Journal of Agricultural Research</i>. 9(2):73-79. doi: 10.12691/wjar-9-2-5 More Publications and Research Communications Booklets published on underutilized medicinal plants: Cultivation and processing of Solanum xanthocarpum (Katuwelbatu) Cultivation and processing of Cassia angustifolia Cultivation and processing of Piper longum Cultivation and processing of Munronia pinnata Cultivation and processing of Acmella oleraceae Cultivation and processing of Acmella oleraceae Cultivation and processing of Nuuronia pinnata Cultivation and processing of Nature-Based Solutions for Site-specific Landslide Risk Mitigation, Nature Based Landslide Risk Management Project in Sri Lanka Cultivation and processing of Ocimum tenuiflorum L. Cultivation and processing of Acmella oleraceae Cultivation and p
	 Cultivation and processing of <i>Withaniasomnifera</i> Cultivation and processing of <i>Plectranthes zeylanicus</i>
Major Projects Undertaken	 Principal Investigator - Commercialisation of underutilised essential oil-bearing plants Co-Investigator - Evaluation of impacts of agrochemicals on grape tree and grape cultivating soil and water; study of heavy metals, nitrate and phosphate content Principal Investigator - Extraction, isolation and formulation of plant protection products (PPP) from local medicinal plants for the management of sucking pests of fruits, vegetables and ornamental plants Principal Investigator - In vitro propagation of Stevia rebaudiana; A non-caloric sweetener Co- investigator - Development of Technologies for Sustainable Raw Material Production for Cosmetic Industry Using Endemic Gyrinops Walla Gaertn. (Sin: Walla Patta)- An Endemic, Industrial Potential, Lucrative Fragrance Plant Grown in Sri Lanka Principal Investigator - Establishment medicinal plant gardens in Schools Principal Investigator - Formulation of a Para- pheromone from local varieties of Ocimum sanctum for the control of fruit and melon flies Principal Investigator - Establishment of quality standards for the authentication of controversial endemic /rare herbal plants of

	Rauvolfiaserpentina, Rauvolfiadensiflora, Munroniapinnata,Andrographis panniculata, Withaniasomnifera and Rueliatuberosa
	• Co- Investigator - Systematic search for antimalarial compounds from different ecotypes of <i>Munroniapinnata</i> (Wall) Theob. (S = Binkohomba) a Sri Lankan medicinal plant used in traditional medicine for malaria
	Principal Investigator - Large scale seed production of Amukkara (<i>Withaniasomnifera</i>)
	Co- Investigator - Screening of suitable raw materials and establishment of commercial fertilizer units
	• Co- Investigator - Propagation and nursery practices of selected medicinal plants
Awards Received	Gold medal for scientific innovation - 2020 - SLIC
	Award for academic achievement - 2019- ITI
	Award winning academic achievement - 2019-ITI
	Gold medal for scientific innovation - 2019-SLIC
	Outstanding reviewer award - 2018-ICP
	Presidential award for scientific publications - 2018 & 2016 NRC
	DASIS award for the most outstanding innovation - 2018 - SLIC
	Gold medal for scientific innovation- 2018 - SLIC
	Best project with nationally significant output - 2017 - ITI
	Award for academic achievement - 2017 - ITI
	Best oral presenter award - 2017 - SLAAS
	Reviewer award - 2016 - JIPH
	Reviewer award - 2016- JEP
	Outstanding reviewer award - 2015 - JEP
	Presidential award for scientific publications - 2015 - NRC
	NRC merit award for scientific publication - 2014 - NRC
	Postgraduate Research Award - 2013 - SLAAS
	Best Oral presenter award - 2010- INSYM
	NRC-National Research Council; ITI-Industrial Technology Institute; INSYM-International symposium; JEP-Journal of Ethnopharmacology, SLIC-Sri Lanka Inventors commission, ICP- Industrial Crops and Products; JIPH- Journal of Infection and Public Health