

RESUME

Professor Sanath Hettiarachi

Personal details

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Mihintale, Sri Lanka
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Educational details

- | <u>Institution</u> | <u>Qualifications</u> |
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| <ul style="list-style-type: none">• Postgraduate
Vrije Universiteit, Brussels,
Belgium (1984 – 1990) | M.Sc. in Molecular Biology
Ph. D. in Microbiology - Great Distinction |
| <ul style="list-style-type: none">• Undergraduate
University of Kelaniya, Kelaniya,
Sri Lanka (1977 – 1981) | B.Sc. in Botany –
Second Class (Honors) Upper Division |

Employment details

January 2012 to date

Employer: Rajarata University of Sri Lanka, Mihintale, Sri Lanka.
Position: Professor of Biological Sciences

November, 2007 to January 2012

Employer: University of Ruhuna, Matara, Sri Lanka.
Position: Professor in Botany

December, 1996 to October, 2007

Employer: University of Ruhuna, Matara, Sri Lanka.
Position: Senior Lecturer (Grade I) in Botany

From December, 1990 to November, 1996

Employer: University of Ruhuna, Matara, Sri Lanka.
Position: Senior Lecturer (Grade II) in Botany

From October, 1982 to November, 1990

Employer: University of Ruhuna, Matara, Sri Lanka
Position: Probationary Assistant Lecturer in Botany

From May, 1982 to September, 1982

Employer: Hue-Jay International (Horticulture) Ltd., Nuwara Eliya, Sri Lanka
Position: Trainee Horticulturist

From October, 1981 to April, 1982

Employer: University of Kelaniya, Kelaniya, Sri Lanka
Position: Temporary demonstrator

Teaching Experience

Senior Lecturer in Botany (Professor in Botany from Nov., 2007 to December, 2012, Chair Professor of Biology) (19+ years)

- Conducting lectures organizing and conducting practical classes for undergraduate students in microbiology (general, industrial, soil, ecology etc.), molecular biology, genetic engineering and biotechnology.
- Conducting lectures for postgraduate students in M. Sc. in Crop Protection and M. Sc. in Molecular Biology and Biotechnology.
- Supervision of research component of B. Sc. (Special) Degree students, B. Sc. Degree in Agriculture and M. Sc. students.
- Supervision of research projects of M. Phil. and Ph.D. students.

Probationary Assistant Lecturer in Botany

- Conducting lectures for undergraduate students (in Diversity of plant kingdom, general microbiology, plant pathology and plant genetics)
- Organizing and conducting practical classes in Botany for undergraduate students and assisting Special Degree students in their project work.

Temporary Demonstrator in Botany

- Organizing and conducting practical classes in Botany for undergraduate students and assisting Special Degree students in their project work.

Other responsibilities

- Reviewer: Acceleration Higher Education Expansion and Development (AHEAD) Project funded by World Bank from 2018 to date.
- Reviewer: Quality Assurance and Accreditation Council/ UGC from 2004 to date. (conducted over 15 subject reviews and four Institutional reviews)
- Reviewer: Higher Education for Twenty First Century (HETC) Project funded by World Bank from 2011 to date (conducted a minimum of 25 reviews in both competitive and non-competitive grants from desk evaluation to site visits)
- Reviewer: Improving Relevance and Quality of Undergraduate Education (IRQUE) project funded by World Bank from 2003 to 2009. (conducted a minimum of 50 reviews in both competitive and non-competitive grants from initial proposal desk evaluation to final progress review through site visits)
- Development of curriculum in **Microbiology, Molecular Biology and Biotechnology and Genetics at various levels (General degree, Special Degree, Postgraduate).**
- Assisting postgraduate students and staff in **problem solving in instrumentation including computers.**

Funding Agency

Project

ICEI, Italy

Integrated Rural Development in Sri Lanka: rice and spices from production to market – Scientific Research Component, (SRI-PROM Aid 11490)

ABOS, Belgium

Development of the orientation molecular biology at the Faculty of Science, University of Ruhuna

INCO-DC, EC

Assessment of mangrove degradation and resilience in the Indian subcontinent: The cases of Godavari Estuary and South-west Sri Lanka (ERB IC18-CT98-0295)

Administrative responsibilities

- **Deputy Proctor, Faculty of Applied Sciences, Rajarata University of Sri Lanka, From No., 2019 to date**
- **Director, Internal Quality Assurance Unit, Rajarata University of Sri Lanka, From Jan., 2016 to April, 2018**
- **Senior Student Counselor, Rajarata University of Sri Lanka, from 2013 to 2017**
- **Head of the Department of Botany from 01.09.2006 – 31.03.2009**
- **Dean, Faculty of Science, University of Ruhuna. From March 1998 to July 1998.**
- **Deputy Senior Student Counselor, University of Ruhuna. 2005/ 2006.**
- **Course Coordinator, Faculty of Science, University of Ruhuna. 2001 to December 2011**
- **Warden (Male), University of Ruhuna. from January 2000 to August 2001**
- **Joint Secretary, Ruhuna University Science Teachers' Association. 1992 to 1993 and 1994 to 1997**
- **Editor-In-Chief, Proceedings of the Science Symposium, Faculty of Science, University of Ruhuna. 2003 and 2004**
- **Editor, Proceedings of the Science Symposium, Faculty of Science, University of Ruhuna. 2005**
- **Editor, Proceedings of Academic Sessions, University of Ruhuna 2003 and 2005**

Special Training

- **Regional practical training programme on “Detection of genetically modified organisms (GMO) and genetically modified food (GMF)” – (22-24 March, 2006)**
- **Seminar on “Education in science for tomorrows needs” –(29 April, 2005), University Grants Commission**
- **Workshop on “Problem-based learning”– (11-14 June, 2003) Staff Development Centre, University of Colombo, Sri Lanka**
- **Workshop on “R&D management”– (01-02 Nov,2001), ADB Science and Technology Project**
- **Workshop on “Costing and financial management” – (26 Jan, 2001), ADB Science and Technology Project**
- **Workshop on “Marketing of University and R&D centre services” -(16 Dec. 2000), ADB Science and Technology Personnel Development Project**
- **Marketing of University and R&D centre services” -(16 Dec. 2000), ADB Science and Technology Personnel Development Project**
- **National seminar on “Intellectual property rights and commercialization of research” – (24 Nov., 2000), National Science Foundation and Postgraduate Institute of Science**
- **“Institution building workshop” – (13 Nov., 2000), ADB Science and Technology Personnel Development Project**
- **Interactive workshop on research performance evaluation” –(1 Feb, 2000), National Science and Technology Commission**
- **Workshop on “Science degree programmes – present status and future” (22 Jan. 2000), University Grants Commission**
- **National workshop on “Student counselling and welfare services in the University System”–(15-16Aug., 1992), University Grants Commission**

Contribution to National Development

- Co-controller of G.C.E (A/L) examination in Biology from 2017
- **Chief Examiner of the paper marking panels of G. C. E. Advanced Level Examination** in 2001 to 2003, 2006 to date
- Resource person in the workshop on “**G. C. E. (A.L.) Science Projects**” organized by SLASS, Sri Lanka.- in 2000 and 2001
- Resource person at the international workshop on “**Fisher folk based coastal resource conservation and management**”. MAP-SFFL Mangrove Resource Centre. Small Fishers Federation. Pambala, Chilaw, Sri Lanka. Nov. 11 – 15, 2000
- Consultant for the “**Mangrove resource centre and Mangrove biological garden**” established at Ambalantota, Sri Lanka, under auspicious of the Ministry of Fisheries
- Resource person in various workshops for **G.C.E Advanced Level teachers and pupils in molecular biology, biotechnology, biodiversity, mushroom cultivation etc.** in the Southern Province
- Resource person in “**National Biosafety Framework Development Project of Sri Lanka May 2003 – December 2004**” under the auspicious the Ministry of Environment and Natural Resources

Research and Publications

Research Experience

- Genetic diversity (RAPD-PCR) and phenology of mangrove palm, *Nypa fruticans*, in view of finding genotypes which produce large inflorescences with higher frequency.
- Genetic differentiation of *Bruguiera* spp. in Sri Lanka.
- Development of PCR based methods to identify and differentiate subspecies of *Erwinia carotovora*.
- Use of PCR based techniques and morphological characters to study the hybridization between *Oreochromis* spp.
- Use of PCR based techniques to determine the phylogenetic relationships among *Puntius* spp. of Sri Lanka.
- Study of two *Pseudomonas fluorescens* strains causing damping off and wilt of chilli.
- Control of *Erwinia* soft rot by botanicals.
- A research work on fungi associated with leaf spot diseases of water hyacinth in Sri Lanka. In this, five species of pathogens were isolated of which three were reported on water hyacinth for the first time.
- A research project on ecology of soil fungi of a rainforest in Sri Lanka.
- Isolation and characterization of tannase producing fungi and optimization of the fermentation process.
- Isolation of rhizosphere microflora and root pathogens of chilli (*Capsicum annum*) and sesame (*Sesamum indicum*) and study of their antagonistic activities against each other with emphasis on biological control of soil borne diseases of chilli and sesame.
- A research project on diversity of rhizosphere and soil microflora of a poplar (*Populus* sp.) plantation in Belgium. Characterization of *Pseudomonas fluorescens* isolates by carbohydrate utilization pattern and siderophore (pyoverdine) system revealed that the strains of bacteria are specific for a particular genotype of poplar.
- Analysis of root exudates of poplar in relation to plant genotype, age and method of cultivation.

- Propagation of endangered mangrove species in Sri Lanka.
- Environmental impact assessment on the “Mangrove Resource Centre and Biological Garden at Ambalantota (voluntary consultancy).
- Study of ecology of mangroves and aquatic flora and fauna of Rekawa and Kahandamodara lagoons in relation to their resilience against human impacts.
- Studies on biofertilizer on crop productivity – recent research

Publications

Publications in Journals

a) International/ Regional

- Wasana WP and **Hettiarachi S** 2017. Differentiation of *Pectobacterium carotovorum* isolates from selected crops grown in different geographical areas of Sri Lanka and determination of their host range. Paper Proceeding of the Second Asia-Pacific Conference on Multidisciplinary Research, 29 - 30 July 2017, Colombo, Sri Lanka 93-98 pp.
- Weerasinghe WPCG, **Hettiarachi S** and Jayarathne MPK. 2017. Factors affecting the quality of raw milk: Effect of time taken for transportation and practices at field level in small farms in Sri Lanka. Journal of Food and Dairy Technology. 5(1): 9-15.
- Perera, K and Hettiarachi, S. 2016. Study on quality assurance and accreditation in general education in Sri Lanka. National Education Commission of Sri Lanka Research Series (014) No. 04 7 pp.
- Deng S, Huang Y, He H, Tan F, Ni X, Jayatissa LP, **Hettiarachi S**, Shi S. 2009. Genetic diversity of *Aegiceras corniculatum* (Myrsinaceae) revealed by amplified fragment length polymorphism (AFLP). Aquatic Botany. 90: 275-281.
- Jayatissa LP, **Hettiarachi S** and Dahdouh-Guebas F. 2006. An attempt to recover economic losses from decadal changes in two lagoon systems of Sri Lanka through a newly patented mangrove product. Environment, Development and Sustainability. 8:585-595.
- Dahdouh-Guebas F, **Hettiarachi S**, Lo Seen D, Batelaan O, Sooriyachchi, S, Jayatissa LP and Koedam N. 2005. Transitions in ancient inland freshwater resource management in Sri Lanka affect biota and human populations in and around coastal lagoons. Current Biology. 15: 579-586.
- De Silva MPKSK and **Hettiarachi S**. 2002. An investigation of maternal origin of morphometrically defined Tilapia species established in Sri Lanka. Tropical Agric. Research and Extension. 4(1): 24-28.
- Jayatissa LP, Guero MC, **Hettiarachi S** and Koedam N. 2002. Changes in vegetation cover and socio-economic transitions in a coastal lagoon (Kalametiya, Sri Lanka), as observed by teledetection and ground truthing, can be attributed to an upstream irrigation scheme. Environment, Development and Sustainability. 4(2): 167-183.
- Verheyden A, Dahdouh-Guebas F, Thomaes K, De Genst W, **Hettiarachi S** and Koedam N. 2002. High Resolution vegetation data for mangrove research as obtained from aerial photography. Environment, Development and Sustainability. 4(2): 113-133.
- Abeysinghe PD, Ludwig L, De Greef B, Koedam N and **Hettiarachi S**. 2000. Genetic and geographic variation of the mangrove tree *Bruguiera* in Sri Lanka. Aquatic Botany. 67: 131-141.
- Dahdouh-Guebas F, Verheyden A, De Genst W, **Hettiarachi S** and Koedam N. 2000. Four decade vegetation dynamics in Sri Lankan mangroves as detected from sequential aerial photography: A case study in Galle. Bulletin of Marine Science 67(2): 741-759.

- Abeyasinghe PD, Triest L, Greef BD, Koedam N and **Hettiarachi S**. 1999. Genetic differentiation between *Bruguiera gymnorrhiza* and *B. sexangula* in Sri Lanka. *Hydrobiologia*. 413: 11-16.
- **Hettiarachi S** and Penninckx MJ. 1990. On the distribution of soil and rhizosphere actinomycetes in a poplar plantation. *Symbiosis* 6: 203-206.
- **Hettiarachi S**, Gunasekara SA and Balasooriya I. 1983. Leaf spot diseases of water hyacinth in Sri Lanka. *Journal of Aquatic Plant Management*. 21: 61-65.
- Balasooriya I, Gunasekara SA, **Hettiarachi S** and Gunasekara IJ. 1983. Biology of water hyacinth: Fungi associated with water hyacinth in Sri Lanka. Paper presented at Internat. Symp. Water hyacinth. 7-12 Feb., 1983. Regional Research Laboratory Hyderabad, India.

b) National

- Wasana WP, Kuruppuarachchi, KAPP, Yapa, PN and Hettiarachi, S. 2019. Antibacterial activity of selected spices against *Pectobacterium carotovorum* isolated from some vegetables in Sri Lanka. *Journal of Science of University of Kelaniya, Sri Lanka*, 10: 35-46.
- Babu AGC, Ramanayake, RMTNN and **Hettiarachi S**. 2011. Characterization and virulence of *Xanthomonas campestris* pv *campestris* isolates from cruciferaceae crops in the Nuwara Eliya District of Sri Lanka. *Annals of the Sri Lanka Department of Agriculture*, 13: 1-11.
- De Silva MPKSK, Liyanage NPP and **Hettiarachi S**. 2006. Intra-species morphological plasticity in three *Puntius* species in Sri Lanka. *Ruhuna Science Journal*. (a publication of Faculty of Science, University of Ruhuna, Sri Lanka. 1:82-95.
- Jayatissa LP and **Hettiarachi S**. 2006. Nature's protection against nature's fury: a post tsunami assessment of non-mangrove plants as elements to build a green belt against tsunamis. *Ruhuna Science Journal*. (a publication of Faculty of Science, University of Ruhuna, Sri Lanka) 1:96-103.
- De Silva MPKSK, **Hettiarachi S** and Mather PB. 2005. Genetic structure of *Oreochromis* populations of selected reservoirs of Sri Lanka: a molecular approach. *Proceedings of Third Science Symposium, Faculty of Science, University of Ruhuna, Sri Lanka*. pp 58-68.
- Jayatissa LP, Lo Seen D, **Hettiarachi S** and Senanayake G. 2005. Nature's protection against nature's fury: a post tsunami assessment of the importance of mangroves as a natural barrier against the wrath of the sea. *Proceedings of Third Science Symposium, Faculty of Science, University of Ruhuna, Sri Lanka*. pp 01-10.
- **Hettiarachi S** and Jayatissa LP. 2004. Changes of the mangrove cover of Rekawa lagoon, Sri Lanka, over a 38 year period: mitigating the significance of a surface increase. *Proceedings of the Second Science Symposium, Faculty of Science, University of Ruhuna, Sri Lanka*. pp 49-60.

Abstracts Published

a) International/ Regional

- Dissanayake, DMDC, Divisekera, DMWD and Hettiarachi, S. 2019. Investigation of antibacterial activity of *Moringa oleifera* and assessing as a potential ingredient, to increase the shelf-life of minimally processed *Alternanthera sessilis* (Mukunuwenna). *Proceedings of Rajarata University International Conference*, 6-7 Nov., 2019. 214 p.
- Kulathunga, NU and Hettiarachi S. 2019. Antifungal activity of plant extracts against dandruff causing yeasts. *Proceedings of Rajarata University International Conference*, 6-7 Nov., 2019. 114 p.

- Samarakoon, CS, Hettiarachi, S and Nagahawaththa, M. 2019. Control of fungal contamination in plant tissue culture using synthetic and natural antifungal agents. Proceedings of Rajarata University International Conference, 6-7 Nov., 2019. 228 p.
- Wanninayaka, KT and Hettiarachi, S. 2019. Effect of root wash on *Panicum maximum* on the growth and development of selected crop plants. Proceedings of Rajarata University International Conference, 6-7 Nov., 2019. 233 p.
- Weerasinghe WPCG, **Hettiarachi S** and Jayarathna MPK 2018. Effect of thermotolerant bacteria on shelflife of milk and improvement of pasteurization process. Abstract Book. 11th International Research Conference, 13th -14th September, 2018. General Sir John Kotalawala Defence University. 52 p.
- Chandrasekara PWIM and **Hettiarachi S**. 2017. Effect of IAA producing rhizosphere bacteria on growth and seedling vigor of host and non-host plants. Proceedings of the International Forestry and Environment Symposium 2017 of the Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka. vol 22.
- Gangathilaka KMSM, Chandrasekara PWIM and **Hettiarachi S**. 2017. The effect of Indole Acetic Acid producing rhizosphere bacteria isolated from forest soil on the seedling vigor, growth of host and non-host plants and host nutrition level of crops grown in different soils. Proceedings of the International Forestry and Environment Symposium 2017 of the Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka. 22:109 p.
- Weerasinghe WPCG, **Hettiarachi S** and Jayarathna MPK 2017. Isolation of bacteriophages from starter cultures of yoghurt in Milco dairy factory and formulation of a phage resistant starter culture. Abstract Book, International Conference of Food Quality, Safety and Security 2017, University of Sri Jayewardenepura, Sri Lanka, 4-5 Oct. 2017. pp. 08
- Dahdouh-Guebas F, Jayatissa LP, **Hettiarachi S**, Bosire JO, Kairo JG and Koedam N. 2012. Meeting on Mangrove ecology, functioning and Management (MMM3): more than two decades of insight on mangrove research in Kenya, Sri Lanka and beyond, in: Dahdouh-Guebas, F. et al. (Ed.) (2012). Proceedings of the International Conference 'Meeting on Mangrove ecology, functioning and Management - MMM3', Galle, Sri Lanka, 2-6 July 2012. VLIZ Special Publication, 57: pp. 24-25
- Rans G, Jayatissa LP, **Hettiarachi S**, Koedam N and Dahdouh-Guebas F. 2012. Investigation of possible bioshields to protect vulnerable sections of the Sri Lankan coast. Proceedings of the International Conference 'Meeting on Mangrove ecology, functioning and Management - MMM3', Galle, Sri Lanka, 2-6 July 2012. VLIZ Special Publication, 57: pp. 148.
- Ransara GBM, Kodikara KAS, Jayatissa LP, **Hettiarachi S**, Vinobaba P, Koedam N and Dahdouh-Guebas F. 2012. Evaluating the local use of mangroves as source firewood in Sri Lanka, In: Dahdouh-Guebas, F. et al. (Ed.) (2012). Proceedings of the International Conference 'Meeting on Mangrove ecology, functioning and Management - MMM3', Galle, Sri Lanka, 2-6 July 2012. VLIZ Special Publication, 57: pp. 149
- Dahdouh-Guebas F, Jayatissa LP, **Hettiarachi S**, Bosire JO, Kairo JG, and Koedam N. 2012. Meeting on Mangrove ecology, functioning and Management (MMM3): more than two decades of insight on mangrove research in Kenya, Sri Lanka and beyond. Proceedings of the International Conference 'Meeting on Mangrove ecology, functioning and Management - MMM3', Galle, Sri Lanka, 2-6 July 2012. VLIZ Special Publication, 57: pp. 24-25.
- Rans G, Jayatissa LP, **Hettiarachi S**, Koedam N and Dahdouh-Guebas F. 2011. Investigating efficiency of greenbelts for the protection of Sri Lanka's coasts against ocean wave surges. VLIZ Young Scientists' Day, Brugge, Belgium 25 February 2011: book of abstracts. VLIZ Special Publication, 48: pp. 69.

- **Hettiarachi S** and Hettiarachchi PL. 2010. Propagation of threatened mangroves and mangrove associates. The national Conference on Identification of Knowledge Gaps for Sustainable Management of Mangrove Ecosystems in Sri Lanka. Green Dyke Project, University of Ruhuna, Matara, Sri Lanka. 4th- 6th June, 2010. 2-3pp.
- Jaytissa LP and **Hettiarachi S**. 2007. Are all the mangroves equally important in mitigating the impact of tsunami? International Conference on Coastal Zone Environment and Sustainable Development: Vulnerability, Adaptation and Beyond. 12-14 February, 2007. School of Environmental Sciences, JawaharlalNehruUniversity, New Delhi. 71 p.
- Dahdouh-Guebas F, **Hettiarachchi S**, Sooriyarachchi S, Lo Seen D, Batelaan O, Jayatissa LP and Koedam N. 2005. Cryptic ecological degradation in Sri Lankan lagoons: loss of species, loss of function, loss of human lives. 3rd GBIF Science Symposium on 'Tropical Biodiversity: Science, Data, Conservation', 18-19 April, Brussels, Belgium.
- Jayatissa LP, **Hettiarachi S** and Lo Seen D. 2004. Possible recovery from economic loss induced by decadal changes in two lagoons ecosystems of Sri Lanka, through a patented mangrove product. International conference on biogeochemistry of estuaries–Mangroves and the coastal zone management. ENVIS Centre in Biogeochemistry, JawaharlalNehruUniversity, India. 14 p.
- Abeysinghe PD, Ludwig T, De Greef B, Koedam N and **Hettiarachi S**. 1998. Genetic Diversity within and among populations of the mangrove tree *Bruguiera* in Sri Lanka. European Scientific Meeting on Ecological Genetics, Isolation by Distance. 2-3 Feb., 1998. Katholieke Universiteit Leuven, Belgium. 13 p.
- Dahdouh-Guebas F, Verheyden A, **Hettiarachi S** and Koedam N. 1997. Natural regeneration of mangroves in a distributed site in Sri Lanka-a case study in Galle. Symposium on mangrove ecosystems: Biodiversity, functioning restoration and management, Toulouse, France.
- Koedam N, Dahdouh-Guebas F, De Bondt R, Thomaes K, Kairo JC, **Hettiarachi S** and Van Speybroeck D. 1997. Mangrove vegetation dynamics: How to look into the past? Abstracts, International Seminar on Mangroves. 25-27 March, 1997. AndhraUniversity, Waltair, India. 68 p.
- Koedam N, Ladavid G, Dahdouh-Guebas F, Matthijs S, **Hettiarachi S** and Van Speybroeck D. 1997. Can soil redox state in mangrove explain mangrove vegetation structure? Abstracts, International Seminar on Mangroves. 25-27 March, 1997. AndhraUniversity, Waltair, India. 22 p.
- Verheyden A, Dahdouh-Guebas F, Thomaes K, **Hettiarachi S** and Koedam N. 1997. Vegetation dynamics in Sri Lanka mangroves as detected from aerial photography. Symposium on mangrove ecosystems: Biodiversity, functioning restoration and management, Toulouse, France.
- Cornelis P, **Hettiarachi S**, Muunga X, Muyanga S, Thys M and Koedam N. 1990. Disease suppression by *Pseudomonas* in Cicer-Fusarium system. (Abstract) *Physiologia Plantarum*. 79: A102.
- **Hettiarachi S** and Penninckx MJ. 1990. Soil and rhizosphere associated microflora of a poplar plantation. Symposium on Stress- and Development Physiology, WFP-NFWO. Vrije Universiteit Brussel, Belgium. 35 p.
- **Hettiarachi S** and Penninckx MJ 1989. A study of soil and rhizosphere associated microflora of a poplar plantation. 35th Meeting of the Societe Francaise de Phytopathologie- Rhizosphere. 28th-29th September, 1989, Montpellier, France. 68 p.

- Woitchik A-F, **Hettiarachi S** and Penninckx MJ. 1989. Nitrogen fixing bacteria of the rhizosphere of poplars. (Abstract) Internat. Conf. Fast Growing Trees. 8-12 Oct., 1989. PhillipsUniversity, Marburg. 278-279 pp.

b) National

- Dilrukshi MKCB, **Hettiarachi S** and Edirisinghe EMRKB 2017. Determination of *in vitro* antimicrobial activity of selected marine sponges found in Sri Lanka. 10th International Research Conference, General Sir John Kotelawala Defence University, 3rd – 4th 2017. 29 p
- Dayarathna PHSA and **Hettiarachi S**. 2014. Screening of curd samples from Sri Lanka for quality and assessing strains of lactic acid bacteria for formulation of a standard curd starter culture. Proceedings on 2nd International Symposium on Driving Research Towards Economy: Opportunities and Challenges, Nov. 13-14, 2014. 51 p.
- Buddhika UAV, Gunasekare MTK, **Hettiarachi S**, Ranatunga MAB and Hemamali KKUG. 2009. Preliminary study of the segregating pattern of anthocyanin pigmentation as a marker to facilitate tea breeding. Sixth Sessions of University of Ruhuna. A1-03 p.
- Bandara MMNDM, **Hettiarachi S**, Premakumara GAS, Ranasinghe P and Abeysinghe S. 2009. Molecular identification of yeast strains in three different "Arishta". Sixth Sessions of University of Ruhuna. A1-04 p.
- Hettiarachchi PL, Dharmadasa R, Premakumara GAS, **Hettiarachi S** and Perera AMMS. 2007. A preliminary study on the taxonomic status of *Munronia pinnata* (Wall.) Heob. (Meliaceae) in Sri Lanka. 27th Annual Sessions of Institute of Biology, Sri Lanka.
- Jayatissa LP, **Hettiarachi S** and Samarakoon SP. 2005. Did maritime vegetation protect lives and properties in Sri Lankan coasts against Tsunami? Workshop on impact of the Tsunami and post-tsunami recovery in the southern region of Sri Lanka, 26.04.2005, University of Ruhuna, Sri Lanka, 21 p.
- **Hettiarachi S**, Sooriyaarchchi S, Lo Seen D, Sumanawathie SL and Jayatissa LP. 2003. Attributing the changes of the mangrove cover at Kalametiya to increased freshwater inflow over a few decades. 59th Annual Session of the Sri Lanka Association of Advancement of Science, 9th-13th December 2003. 153 p.
- **Hettiarachi S**, Sooriyaarchchi S, Jayatissa LP and Lo Seen D. 2003. Upstream irrigation schemes as possible sources for changes of the mangrove cover of Kahandamodara, Kalametiya and Rekawa lagoons of southern Sri Lanka. 59th Annual Session of the Sri Lanka Association of Advancement of Science, 9th-13th December 2003. 154 p.
- Samayawardena LA, **Hettiarachi S**, Jayatissa LP and Bogahawatte CNL. 2003. Habitats characteristics are key factors that determine faunal group dynamics in Rekawa mangrove ecosystem and its environs: A study from Rekawa, Sri Lanka. International conference on conservation of wetlands. Conflict or compromise. 17th & 18th January, 2003, University of Moratuwa.
- Abeysinghe PD, Nilanthi R, **Hettiarachi S**, Jayatissa LP and Dahdouh-Guebas F. 2002. Morphological and molecular characterization of a distinct *Rhizophora* individual from Chilaw lagoon in Sri Lanka. 58th Annual Session of the Sri Lanka Association of Advancement of Science, 2nd-07th December 2002. 184 p.
- Hettiarachchi PL, Premathilake PAGW and **Hettiarachi S**. 2002. Vegetative propagation of *Scyphiphora hydrophyllaceae* Gaertn F. for conservation. Forestry and Environment Symposium 2002, Sri Lanka. 10-11 p.
- Hettiarachchi PL, Premathilake PAGW, **Hettiarachi S** and Jayatissa LP. 2002. Vegetative propagation of *Lumnitzera littorea* (Jack) Voigt. by stem cuttings, girdle cuttings and air

layering. 58th Annual Session of the Sri Lanka Association of Advancement of Science, 2nd-07th December 2002. 54 p.

- **Hettiarachi S**, Jayatissa LP and Lo Seen D. 2002. Does the increase of the mangrove cover of Rekawa lagoon accompany economic value of resource? 58th Annual Session of the Sri Lanka Association of Advancement of Science, 02nd-07th December 2002. 183 p.
- **Hettiarachi S**, Singappuli MS, Jayatissa LP and Silva EIL. 2002. Primary productivity of sea-grasses in Rekawa, an estuarine lagoon. 58th Annual Session of the Sri Lanka Association of Advancement of Science, 2nd-07th December 2002. 186 p.
- Jayatissa LP Singappuli MS Silva EIL and **Hettiarachi S**. 2002. Species composition, distribution and biomass of sea-grasses in Rekawa lagoon. 58th Annual Session of the Sri Lanka Association of Advancement of Science, 2nd-07th December 2002. 185 p.
- **Hettiarachi S**, Gunawardana RM and Koedam N. 1998. The sensitivity of three chilli (*Capsicum annum* L.) varieties to two major nursery killers. 54th Annual Sessions of Sri Lanka Association of Advancement of Science, Dec., 1998. 189-190 pp.
- **Hettiarachi S** and Gunaratne DN. 1997a. Isolation of a new *Rhizoctonia solani* causing chilli die-back and evaluation of its virulence. 53rd Annual Sessions of the Sri Lanka Association of Advancement of Science, 8th-12th December 1997. 272 p.
- **Hettiarachi S** and Gunaratne DN. 1997b. Management of die-back disease of Chilli (*Capsicum annum* L.) with rhizosphere bacteria. 53rd Annual Sessions of the Sri Lanka Association of Advancement of Science, 8th-12th December 1997. 274 p.
- **Hettiarachi S**, Gunawardana RM and Koedam N. 1997a. Control of major nursery pathogens of chilli (*Capsicum annum* L.) with rhizosphere bacteria. 53rd Annual Sessions of the Sri Lanka Association of Advancement of Science, 8th-12th December 1997. 273 p.
- **Hettiarachi S**, Gunawardana RM and Koedam N. 1997b. Suppression of major nursery killers of chilli (*Capsicum annum* L.) with rhizosphere bacteria. 53rd Annual Sessions of the Sri Lanka Association of Advancement of Science, 8th-12th December 1997. 270 p.
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- **Hettiarachi S**, Jayatissa LP and Hemamali KKGU. 1997. Use of RAPD analysis for genetic variability of *Nypa fruticans* in Sri Lanka. 53rd Annual Sessions of the Sri Lanka Association of Advancement of Science, 8th-12th December, 1997. 221 p.
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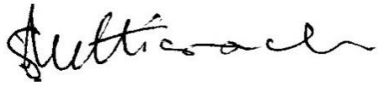
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A handwritten signature in black ink, appearing to read "Mullisach".

Signature

Date:16/06/2019