

CURRICULUM VITAE

Prof G. H. C. M. Hettiarachchi

Professor in Molecular Biology & Biochemistry

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Gender: Female
Date of Birth: 03rd October 1970
Civil Status: married
Nationality: Sri Lankan

Academic Qualifications

Jawaharlal Nehru University, New Delhi

Doctor of Philosophy in Molecular Biology & Bio Chemistry (2003)

University of Colombo, Sri Lanka.

B.Sc. Special Degree in Botany (1996)

Second Class Upper Division

Professional Qualifications

Achieved SEDA standards after successfully completing the SEDA (Staff Education Development in UK) accredited CTHE (Certificate Course in Teaching Higher Education) conducted by Staff Development Center, University of Colombo, Sri Lanka.

Professional Experiences

Guest Researcher - Department of Plant & Environmental Science, University of Gothenburg, Sweden, Feb 2011 - Feb 2012

Post doctoral fellow - Department of Cell and Molecular Biology, University of Gothenburg, Sweden, June 2004 - May 2006

Awards & Grants

Awards

2015 Presidential awards for scientific research, Sri Lanka

2013 SUSRED award, National Science Foundation for supervision of postgraduate Research degree

2008 Presidential awards for scientific research, Sri Lanka

2004 Post-Doctoral research fellowship, Carl Tryggers fellowship program, Sweden

2003 The best poster presentation award, Indian Photobiology Society, India.

2000 PhD fellowship award, (ICGEB) Trieste, Italy

1996 Prof B.L.T.de Silva memorial prize in Botany 1996 (prize for the best performance in special degree program), University of Colombo, Sri Lanka

1994 Department of Botany staff prize (The highest score in Botany in the first two years examinations among those reading for a special degree programme), University of Colombo, Sri Lanka

Grants Received

University of Colombo Research Grants (2018)

Title: Overexpression of Salt Tolerance Homolog 2 (STH2) gene in Bg 250 Sri Lankan rice variety to develop salinity and drought resistance rice.

Principal Investigator: Dr. Chamari M Hettiarachchi

Swedish Research Link collaborative research Grant (2018)

Title: Biodiversity and chemidiversity of Sri Lankan marine sponge: an opportunity to explore new pharmaceutical applications

Co- investigators: Dr Sunithi Gunsekara, University of Uppsala Sweden

Dr. Paco Cardenas, University of Uppsala Sweden

Dr Chamari Hettiarachchi, University of Colombo, Sri Lanka

NSF grant RG/2014/BT/02 (2014)

Title: Screening, isolation and characterization of type II restriction enzymes from bacteria isolated from different regions of Sri Lanka

Principal Investigator: Dr. Chamari M Hettiarachchi

Co- investigators: Dr N V Chardrasekaran

Swedish Research Link collaborative research Grant (2014)

Title: Discovery of bioactive compounds with potential pharmaceutical applications from Sri Lankan medicinal plants

Co- investigators: Dr Sunithi Gunsekara, University of Uppsala Sweden

Dr Chamari Hettiarachchi, University of Colombo, Sri Lanka

University of Colombo Research Grants (2012)

Title: Development of RNA guided gene expression regulation assay in transgenic tomato plants to Interfere root knot nematode parasitism gene

Principal Investigator: Dr. Chamari M Hettiarachchi

Co-investigator: Prof. Ranil Dassanayaka

NSF grant RG/ 2007/ BT09 (2007)

Title: Light regulated development in plant- translational research in Rice (*Oryza sativa*)

Principal Investigator: Dr. G.H Chamari M Hettiarachchi

SASNET planning Grant –Sweden (2006)

Title: Light Regulated development in plants – Translational research in rice

Principal Investigator: Prof. Magnus Holm, Gothenburg University

Co- investigators: Prof. Sudip Chattopadhyaya, NCPGR, New Delhi

Dr. Chamari Hettiarachchi

Research Interest:

Light signaling and abiotic stress signaling pathway and development of transgenic plants

Production of recombinant industrial enzymes

Natural Product Chemistry - screening of medicinal plants to check their potential to develop antimicrobial, anticancer and anti-inflammatory drugs

Teaching

Conduct lectures in area of Molecular Biology, Biochemistry & Microbiology for undergraduate students, and postgraduate students.

List of Publications (Total citations= 694, h-index= 11, i10 index= 11)

25. Kajendran, K., Chandrasekharan, N V., **Hettiarachchi, C.M.**, Wijesundera, W S S. (2018) Cloning and characterization of high molecular weight glutenin gene from *Triticum aestivum* cultivar Dacke. Int. J Sci Rep, 4 (10), 254-258.
24. Jayasundara C W., Deraniyagala, S A., **Hettiarachchi, C M.**, Thiripuranathar, G. (2018) Antioxidant and antibacterial activities of leaves, skin, flesh and seeds of Sri Lankan variety of *cucurbita moschata*. International journal of Ayurveda and Pharma Research. 6 (3) 1-7.
23. Dissanayake D M R H, Deraniyagala, S A, **Hettiarachchi C.M**, Thiripuranathar G, (2018) The study of antioxidant and antibacterial properties of skin, seeds and leaves of the Sri Lankan variety of pumpkin IOSR Journal of Pharmacy. 8, (2) 1, 43-48.
22. Kumarasiri A D A H, De Silva H I C, **Hettiarachchi G H C M** (2017) Evaluation of antibacterial, antioxidant and physicochemical properties of formulated polyherbal ointments. Int. Journal of Adv. in Pharmacy, Biology and Chemistry.6 (2) 87-95.
21. De Silva, T D, **Hettiarachchi,, G H C M.**(2016) Investigation of an in vitro antimicrobial activity of *Lygodium microphyllum (Cav.) R. Br* fronds. Int J Res Pharm Sci. 6 (3) 29-35.
20. Bandara K G W W., Chandrasekharan, N V., **Hettiarachchi G H C M.**, Perera M D H., Senarathne, S.G. (2016) Molecular cloning of rice globuline promoter. J of Uni Kelaniya. 31 (1) 1-18
19. Ratnayake, R.M.L.K., Jayasekera G A U, **Hettiarachchi, G.H.C.M** (2016) Over-expression of Arabidopsis BBX 21 gene in Bg 250 rice enhances its architecture and productivity. Int. J Appl. Sci. Biotechnology. 4 (2) 240 -246.
18. Thanuja R W N., Perera R P., **Hettiarachchi G H C M** (2016) Formulation of Green tea polyphenols as solid food supplement. Int. Journal of Adv. in Pharmacy, Biology and Chemistry. 5 (1) 1-8.

17. Nilanthi S M L D, Wijayarathna C D, **Hettiarachchi G H C M** (2015) Investigation of an *in vitro* antibacterial activity of *Angiopteris evecta* (Forst) Hoffm. Research & Review: Journal of Chemistry. 4 (3) 47-52
16. Xu, D, Lin F, J Yan, Ling J, **Hettiarachchi C**, Tellgren-Roth, Holm M, Wei N, Deng X W. (2015) Arabidopsis COP1 SUPPRESSOR 2 Represses COP1 E3 Ubiquitin Ligase Activity through Their Coiled-Coil Domains Association, PLOS Genetics. published 29 Dec 2015 | info:doi/10.1371/journal.pgen.1005747
15. Udayakantha, K S M., de Silva, R M., de Silva K M N., **Hettiarachchi, C.** (2015) Biocompatible nano hydroxyapatite – curcumin bi coated antibacterial activated carbon for water purification. Royal Society of Chemistry Advances. Published on line 23rd July 2015
14. Xu D· Lin F· Jiang Y· Huang X· Li J, Lin J· **Hettiarachchi C**· Tellgren-Roth C· Holm M and Deng X W. (2014) The Ring- Finger E3 ubiquitin ligase COP1 Suppressor1 negatively regulates COP1 abundance in maintaining COP1 homeostasis in dark grown Arabidopsis seedlings. The Plant Cell. 26 (5) 1981-1991
13. De Silva W S I, Jayasekara G A U, Fernadopulle N D, **Hettiarachchi C.** (2014) Identification cloning and insilico characterization of drought inducible OsDREB2A transcription factor from indica rice variety. Int. J of Adv. Biotechnology research, 5 (2) 117 -125.
12. Xu, D, Li J, Gangappa,S.N, **Hettiarachchi C**, Lin F, Andersson M X, Jiang Y ,Deng X W, Holm,M., (2014) Convergence of Light and ABA signaling on the *ABI5* promoter. PLOS Genetics. published 27 Feb 2014 | info:doi/10.1371/journal.pgen.1004197
11. Gangappa,S.N, Crocco,C.D, Datt, S,**Hettiarachchi,C**. Holm,M, Botto, J.F. (2013) A HY5 Interacting B-Box Protein, BBX25, Together With BBX24 Negatively Regulate the Expression of *BBX22* to Suppress Seedling Photomorphogenesis in *Arabidopsis*. The Plant Cell, 25 1243-1257
10. Jayathissa R,N., Perera, R.P., **Hettiarachchi, C.**, Weerawarna, P.M., (2012) *In vitro* antibacterial activity of 4 phenyl -1- (2- phenyl- allyl) pyridinium bromide: A novel class of antibacterial compounds. Indian Journal of Microbiology. 52 (1) 83-87
09. Ratnayake, R.M.L.K., **Hettiarachchi, G.H.C.M.**, (2010). Development of an efficient Agrobacterium mediated transformation protocol for Sri Lankan rice variety – Bg 250. Journal of Tropical Agricultural Research, 22 (1), 45-53.
08. Datta, S., Johansson, H., **Hettiarachchi, C.**, Irigoyen, M.L., Desai, M., Rubio, V., Holm, M., (2008). LZFI/SALT TOLERANCE HOMOLOG, an Arabidopsis B-box

protein involved in light dependent development and gene expression, undergoes COP1-mediated ubiquitination. *The Plant Cell*, 20, 2324-2338.

07. Datta, S., Johansson, H., **Hettiarachchi, C.**, Holm, M., (2008) STH2 has 2 B there, An insight into the role of B-box containing protein in Arabidopsis. *Plant Signaling & Behavior* 3, 547-548.
06. Datta, S., **Hettiarachchi, C.**, Johansson, H., Holm, M. (2007) SALT TOLERANCE HOMOLOG 2 (STH2), a B- box protein in Arabidopsis that activates transcription and positively regulates light mediated development. *The Plant Cell*, 19, 3242-3255.
05. Sibout, R., Sukumar, P., **Hettiarachchi, C.**, Holm, M., Munday, G.K., Hardtke, C.S. (2006) Double mutant phenotypes reveal a pivotal role of Arabidopsis HY5 and HYH in controlling auxin signaling homeostasis in embryogenesis and seedling development. *PLOS Genetics*, 2, 1898-1911
04. Datta, S., **Hettiarachchi, G.H.C.M.**, Deng, X-W., Holm, M. (2006) Identification of CONSTANS Like 3 (COL3) as a positive regulator of red light signaling and root growth. *The Plant Cell*, 18, 70-84.
03. **Hettiarachchi, G.H.C.M.**, Reddy M.K, Sopory, S.K., Chattopadhyay S. (2005) Regulation of *TOP2* by various abiotic stresses including cold and salinity in pea and transgenic tobacco plants. *Plant and Cell Physiology*, 46(7), 1154 –1160.
02. **Hettiarachchi, G.H.C.M.**, Yadav, V., Reddy, M.K., Chattopadhyay, S., Sopory, S.K. (2003). Light mediated regulation defines a minimal promoter region of *TOP2*. *Nucleic Acid Res*, 31, 5256-5265.
01. **Hettiarachchi, G.H.C.M.**, Gooneratne, J., Hirimburegama, W.K. (2001). Effect of initial moisture content and relative humidity on the accumulation of aflatoxin in maize grains (*Zea mays*) during storage. *J of NSF, Sri Lanka*, 29, 29-33.

Conference papers

64. Herath D.R., Perera H.A.C.C. and Hettiarachchi G.H.C.M. (2018). A single stock of *Euthynnus affinis* (kawakawa) around the coast of Sri Lanka revealed by molecular analysis. Accepted for the Annual Research Symposium of the University of Colombo 2018.
63. Herath D.R., Perera H.A.C.C. Ranasinghe V.K. and Hettiarachchi G.H.C.M. (2018). Growth, reproductive biology and stock structure of *Euthynnus affinis* (kawakawa) in Sri Lankan waters. Proceedings of the international NARA Scientific Sessions 2018, 20p.

62. Herath D.R., Perera H.A.C.C. and Hettiarachchi G.H.C.M. (2018). Molecular and stock identification of the neritic tuna species, *Euthynnus affinis*, *Auxis thazard* and *Auxis rochei* caught from major fishery harbours of Sri Lanka. Proceedings of the South Asian Biotechnology Conference 2018.
61. Herath D.R., Seneviratne U., Perera H.A.C.C. and Hettiarachchi G.H.C.M. (2018). Stock identification and some biological aspects of Frigate tuna (*Auxis thazard*) in Sri Lankan waters. Proceedings of the 3rd International Conference on Bioscience and Biotechnology 2018, 38p.
60. Sanjeevan R., Deshani N B S, Mohotti S D W., Gunasekera, S., Hettiarachchi C. M., (2018) Unexplored plant family (Violaceae) in Sri Lanka; potential for bioactive cyclic peptides. *2nd International Research Symposium, IRSUWU*. pp 95.
59. Paramalingam, D., Hettiarachchi G H C M., Rajapaksha, R V D U P. (2018) DNA based analysis for distribution of Meloidogyne species in selected crop plants in different geographical locations in Sri Lanka. *2nd International Research Symposium, IRSUWU*. pp 7.
58. Ranaweera R A S S., Rajendra S., Mohotti S D W., Hettiarachchi C.M., (2017) Screening of selected plants in *Psychotria* and **Hediyotis** for cyclotides and its antimicrobial activity. *Proceedings of 73rd Annual Sessions, Sri Lanka Association for the Advancement of Science*, pp. 171.
57. Mohotti S D., Rajendran S., De silva E D., Gunasekera S., Hettiarachchi C M., (2017), Screening of cyclotides in Sri Lankan medicinal plants. *Proceedings of 73rd Annual Sessions, Sri Lanka Association for the Advancement of Science*, pp.69
56. Herath D R, Amarakoon A A D G U., Perera H A C C., Hettiarachchi G H C M., (2017) Molecular and biological aspects of Kawakawa (*Euthynnus affinis*) from the coastal waters of Sri Lanka. (Oral) *Proceedings of 73rd Annual Sessions, Sri Lanka Association for the Advancement of Science*, pp. 79
55. Kajendran,K., Maddethalawa M. K. T. D., Jayaseelan P., Pathirana S. N. J., Hettiarachchi C. M., Chandrasekharan N.V., (2017) Expression and Purification of Recombinant *EcoRI* Restriction Endonuclease, International Research Symposium ; 2017 Jan 19-20 ; Badulla, Srilanka ; p191
54. Rajapakse, R.V.D.U.P., Hettiarachchi, C., Dassanayake, R.S., (2017) Development of a simple and efficient in planta transformation method for tomato. (Abstract) *Proceedings of the international conference on Agriculture and Forestry*, 4, 30.
53. Divisekera D.M.W.D., Samarasekera J.K.R.R., **Hettiarachchi C.**, Gooneratne J., and Gopalakrishnan S. (2017). Sri Lankan finger millet (*Elucine coracana*) varieties as potential probiotic source. *Proceedings of the Industrial Biotechnology: Driving Value Addition and Beneficiation*, Harare, Zimbabwe, pp 57.
52. Divisekera D.M.W.D., Samarasekera J.K.R.R., **Hettiarachchi C.**, Choudhary. M.I.,

- Gooneratne J., and Gopalakrishnan S. (2017). Reporting the *in vitro* antimicrobial activity of *Lactobacillus curieae* strain *SILI9* isolated from L Lankan green banana. *Proceedings of the research congress of the post graduate institute of science*, pp 36.
51. Divisekera D.M.W.D., Samarasekera J.K.R.R., Choudhary.M.I., **Hettiarachchi C.**, Gooneratne J., and Gopalakrishnan S. (2017) *In vitro* antimicrobial activity of *Lactococcus* sub spp lactis KG8 isolated from Sri Lankan finger millet variety. *Proceedings of the 6th International conference of Sabaragamuwa university of Sri Lanka*, pp 43.
50. Divisekera D.M.W.D., Samarasekera J.K.R.R., **Hettiarachchi C.**, Choudhary.M.I., Gooneratne J., and Gopalakrishnan S. (2017). Reporting the *in vitro* antimicrobial activity of *Pediococcus acidilactisi* *FM_24LAB* isolated from Sri Lankan finger millet (*Eleusine coracana*). *Proceedings of the International Conference on Food Quality, Safety and Security*, pp 38.
49. Jayawardana, S. A. S., Samarasekera, J. K. R. R., **Hettiarachchi, G. H. C. M.** and Gooneratne, J. (2017) Nutritional and sensory properties of Finger millet (*Eleusine coracana*) flour incorporated biscuits, *Proceedings of 4th International Conference on Multidisciplinary Approaches*, University of Sri Jayewardenepura, pp. 56.
48. Jayawardana, S. A. S., Samarasekera, J. K. R. R., Choudhary, M. I., Imad, R., **Hettiarachchi, G. H. C. M.** and Gooneratne, J. (2017) Cytotoxic properties of Sri Lankan varieties of Finger millet (*Eleusine coracana*), *Proceedings of PGIS Research Congress*, Postgraduate Institute of Science, University of Peradeniya, pp. 85.
47. Jayawardana, S. A. S., Samarasekera, J. K. R. R., Choudhary, M. I., Maharjan, R., **Hettiarachchi, G. H. C. M.** and Gooneratne, J. (2017) Antimicrobial properties of finger millet (*Eleusine coracana*) varieties of Sri Lanka, *Proceedings of the Basic and Applied Sciences Session of 10th International Research Conference*, General Sir John Kotelawala Defence University, pp. 34.
46. Rajapakse, R.V.D.U.P., **Hettiarachchi, C.**, Dassanayake, R.S., (2016) Identification of Root knot nematodes (*Meloidogyne* species), infesting guava plants in Kalpitiya Sri Lanka (Abstract) *Proceedings of the international Conference on Innovations in Chemical, Biological and Environmental Sciences*, Thailand, 37.
45. Jayawardana, S. A. S., Samarasekera, J. K. R. R., **Hettiarachchi, G. H. C. M.**, and Gooneratne, J. (2016) *In vitro* antioxidant properties of Sri Lankan Finger millet (*Eleusine coracana*) varieties, *proceeding of 3rd International Conference on Multidisciplinary approaches*, University of Sri Jayewardenepura, pp 34.
44. Divisekera D.M.W.D. Samarasekera J.K.R.R. Maduwanthi S.D.T. **Hettiarachchi C.** Gooneratne J. Gopalakrishnan S. (2016) Survival of Lactic Acid Bacteria isolated from Sri Lankan finger millet variety. *Proceedings of the 36th Annual sessions of Institute of Biology*; pp 29
43. Rajapakse, R.V.D.U.P., **Hettiarachchi, C.**, Dassanayake, R.S., (2016) Molecular identification of root-knot nematode *Meloidogyne arenaria* on tomato in Sri Lanka (Abstract) *Proceedings of Sri Lanka Association for the Advancement of Science 72nd Annual Sessions 2016*-submitted and accepted.

42. Rajapakse R.V.D.U.P, **Hettiarachchi C** , Dassanayake R S (2016) Molecular identification of root knot nematode *Meloidogyne enterolobii* from infected tomato (*Lycopersicon esculentum*) plants. *Annual Research Symposium 2016*, University of Colombo, Sri Lanka.
41. Kumarasiri A D A H, De Silva H I C, **Hettiarachchi, C** (2016) Formulation and evaluation of antibacterial polyhedral ointments using *Asparagus gonocladus*, *Cyperus brevifolius* and *Psidium guajava*.
40. Pathirana S. N. J, **Hettiarachchi G. H. C.M**, Nanayakkara C.M., Rajapakse R. G. S. C. and Chandrasekharan N. V. (2016). Isolation and characterization of Restriction Enzymes from Sri Lanka. *Proceedings of the 16th annual session of Science Council of Asia*, pg. 170
39. Jayawardana, S. A. S., Samarasekera, J. K. R. R., **Hettiarachchi, G. H. C. M.**, Ja-been A, Choudhary M I and Gooneratne, J. (2016) Anti inflammatory effect of finger millet (*Eleusine coracana*) varieties of Sri Lankan on Zymosan induced oxidative burst in phagocytes. *Proceedings of 9th International Research Conference*, General Sir John Kotelawala Defense University, pp. 214.
- 38 .Rajendran S, Mohotti S, Muhammad T, Burman R, Stromstedt A A, de Silva E D, **Hettiarachi C M**, Gunasekera S (2016) Cyclotides distribution and bio activities of *Geophila herbaceae*. *International Conference on Bioscience and Biotechnology* p7, published on line <http://bioscienceconference.com/2016>
37. Jayawardana, S. A. S., Samarasekera, J. K. R. R., **Hettiarachchi, G. H. C. M.**, and Gooneratne, J. (2016) Nutritional composition of Sri Lankan Finger millet (*Eleusine coracana*) varieties, *Proceedings of 3rd Ruhuna International Science and Technology conference*, University of Ruhuna, pp. 49.
36. Jayawardana, S. A. S., Samarasekera, J. K. R. R., **Hettiarachchi, G. H. C. M.**, Gooneratne, J., Datta Mazumdar, S. and Banerjee, R. (2015) *In-vitro* Starch Digestibility, Resistant Starch and Amylose contents of Sri Lankan Finger Millet (*Eleusine Coracana*) varieties, *Proceedings of 8th International Research Conference*, General Sir John Kotelawala Defence University, pp. 171.
35. Jayawardana, S. A. S., Samarasekera, J. K. R. R., Gooneratne, J. and **Hettiarachchi, C.** (2015) Arabinoxylans contents of Sri Lankan Finger Millet (*Eleusine coracana*) varieties, *Proceedings of 71st Annual Sessions, Sri Lanka Association for the Advancement of Science*, pp. 110.
34. Rajendran S, Mohotti S, Muhammad T, Burman R, Stromstedt A A, de Silva E D, **Hettiarachi C M**, Gunasekera S (2015), The search for new antimicrobial compounds from Sri Lankan medicinal plants. *Nordic natural product conference, Gotland*. P 103. Published on line <http://www.fkog.uu.se/nnpc/NNPC2015-abstractbook.pdf>
33. Rajapakse R V D U P, **Hettiarachchi C.**, Dassanayake R S (2015) Molecular identification of root knot nematodes (*Meloidogyne* species) in Sri Lanka. *Pro Sri Lanka Asso. Advmt Sci*, 71st , Abstract 411/D Oral presentation

32. Kirushanthy K., Chandrasekaran N V., **Hettiarachchi C.**, Wijendraratna W S S. (2015) Cloning and characterization of high molecular weight glutenin genes from *Triticum aestivum* cultivar dacke to develop wheat like rice. *Pro Sri Lanka Asso. Advmt Sci*, 71st, Abstract 921/D Poster presentation
31. Pathirana S N J., Rajapakse R G S C., Nanayakkara C M., **Hettiarachchi G H C M.**, Chandrasekaran N V (2015) Screening of bacteria for restriction enzyme. *Pro Sri Lanka Asso. Advmt Sci*, 71st, Abstract 939/E2 Poster presentation
30. Divisekera, D.M.W.D., Samarasekera, J.K.R.R., **Hettiarachchi, C.**, Gooneratne, J., Gopalakrishnan, S. Isolation and Characterization of probiotics from Sri Lankan finger millet (*Elucine coracana*) *Proceedings of 12th Asian Congress of Nutrition*, Yokohama, Japan, 2015. Oral Presentation
29. Divisekera, D.M.W.D., Samarasekera, J.K.R.R., **Hettiarachchi, C.**, Gooneratne, J., Gopalakrishnan, S., (2015) Isolation and Characterization of probiotic "*Pediococcus acidilactici*" from Sri Lankan finger millet variety (*Elucine coracana*) *44th Annual session of. Institute of chemistry.*
28. Divisekera D.M.W.D., Samarasekera J.K.R.R., **Hettiarachchi C.**, Gooneratne J., Gopalakrishnan S. (2014) Isolation and Characterization of probiotic "*Lactococcus lactis*" from Sri Lankan finger millet variety (*Elucine coracana*) *Proceeding of the 2nd International conference of Ayurveda, Sidda, Unani and traditional Medicine, Sri Lanka*, pp150
27. De Silva T D, **Hettiarachchi G H C M** (2014) *Lygodium microphyllum*: A potential antifungal source. 15th Tetrahedron Symposium Asian Edition. Abstract P3.58.
26. Jayasundara U. C. **Hettiarachchi G H C M** (2014). Phytochemical Screening and Preliminary Assays on the Antimicrobial Activity of *Pavetta blanda* and *Ixora coccinea* Crude. *34th Annual session, IOB Sri Lanka*. Abstract No 1-05.
25. de Silva T D, **Hettiarachchi G H C M** (2014). Preliminary investigation of antimicrobial activity of *Lygodium microphyllum* crude extracts. *34th Annual session, IOB Sri Lanka*. Abstract No 3-04.
24. Bandara K.G.W.W., Perera M.D.H., **Hettiarachchi G.H.C.M.**, Chandrasekharan N.V. Senaratne S.G.(2014) Molecular cloning of rice endosperm specific globulin promoter and the 5' untranslated region. Pro. of the Peradeniya Univ. *International Research Sessions, Sri Lanka*, Vol. 18. Oral Presentation
23. Perera R P, **Hettiarachchi G H C M**, Liyanage V N P (2013) Comparative analysis of the uptake mechanism of a novel class of VMAT inhibitors with bacterial cell. *Int. Research Conference, IHRA, University of Colombo, Sri Lanka*.
22. Rajapaksha, R. V. D U. P., and **Hettiarachchi, C.**, (2013) Overexpression of Arabidopsis STH2 gene in transgenic rice Bg 250 enhances its productivity in T₀ generation. *Pro Sri Lanka Asso. Advmt Sci*, 69, Abstract 417/D Oral presentation

21. Panchanatha K., Chandrasekaran N V., **Hettiarachchi C M.**, Wijesundara, W S S., (2013) Characterization of low molecular weight glutenin genes from wheat *Triticum*. *Pro Sri Lanka Asso. Advmt Sci*, 69, Abstract 445/D. Oral presentation
20. Perera, M.N.N., Weerasinghe, S., **Hettiarachchi, C.**, (2013) Investigation of some properties of compounds extracted from *Pouteria campechiana* (lavulu) fruit and seed. *Annual Research Symposium*, University of Colombo, Sri Lanka. Oral presentation
19. Nilanthi, S.M.L.D., Wijayarathna, C.D., **Hettiarachchi, G.H.C.M.** (2012) *Angiopteris evecta* (frost.) Hoffm: a potential source for antibacterial activity. pg 303. *Annual Research Symposium*, University of Colombo, Sri Lanka. Oral presentation
18. Panchanatha, K., Chandrasekaran, N.V., Wijesundara, W.S.S., **Hettiarachchi, G.H.C.M.**, (2012) A gliadin pseudogene from wheat. *Pro Sri Lanka Asso. Advmt Sci*, 68, Abstract Oral presentation
17. Jayakody, J.P.T., Somarathne, M.B.C.L., Panchanathan, K., **Hettiarachchi, C.**, Wijesundara, R.L.C., Chandrasekaran., N.V. (2012) Cloning of a chitinase from *Trichoderma viride* for the development of transgenic plants resistant to fungal diseases. *Pro Sri Lanka Asso. Advmt Sci*, 68, Abstract Oral presentation
16. Xu D, Gangappa S, Li, F., **Hettiarachchi, C.**, Andersson, M., Holm, M (2012). BBX21 in croostalk between light and ABA signaling. *ICAR symposium*, Vienna, Austria.
15. Withanage, M.N., Sirimanne C.T, **Hettiarachchi, G.H.C.M** (2011) 'Effect of a plant vitamin on spinach' accepted for publication at the 67th Annual Sessions of the Sri Lankan Association for the Advancement of Science, Colombo, Sri Lanka,
14. Perera, N.; Sirimanne, C.; **Hettiarachchi, C.** (2011) "Effect of a plant vitamin on the growth of the tomato plant (*Lycopersicon esculentum*)" *Annual Research Symposium*, University of Colombo, Sri Lanka.
13. Ratnayake, R.M.L.K., **Hettiarachchi, G.H.C.M.**, (2010) *In vitro* plant regeneration of indica rice varieties: Bg 250 and Bg 360. *Annual Research Symposium*, University of Colombo, Sri Lanka.
12. Nilaweera T.D., Jayasekara, N. S., **Hettiarachchi, G.H.C.M.**, (2009). Preliminary RAPD- PCR studies on six Sri Lankan traditional varieties of *Oryza sativa* L. *Pro Sri Lanka Asso. Advmt Sci*, 65, Abstract (Part I) 71. Oral presentation
11. Kumari, T.G.K., **Hettiarachchi. G.H.C.M.**, (2009). Cloning of STH3 gene in pAC-MBIA 1303 vector. *Pro Sri Lanka Asso. Advmt Sci*, 65, Abstract (Part I) 212. Poster
10. Luxshani. T., Jayasekara, N.S., **Hettiarachchi. G.H.C.M.**, (2009). Population variation of the whitefly *Bemisia tabaci* using RAPD –PCR. *Pro Sri Lanka Asso. Advmt Sci*, 65, Abstract (Part I), 214. Poster

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08. Liyanage, V.N.P., Ratnayake, R.M.L.K, **Hettiarachchi, C.**, Perera, R.P., (2008) Study of interactions of a novel class of vesicular monoamine inhibitors with bacterial cells to investigate the uptake mechanism. *Pro Sri Lanka Asso. Advmt Sci*, 64 (1) Poster.
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06. Holm, M., Johansson, H., **Hettiarachchi, C.**, Datta, S. (2007) HY5 interacting B-box proteins are members of a novel class of transcription factors and regulate plant growth and development. Abstract. *18th International conference on Arabidopsis research*. Beijing, China.
05. **Hettiarachchi, C.**, Datta, S, Holm, M. (2006) HY5 interacting B-box proteins are members of a novel class of transcription factors and regulate plant growth and development. Abstract. *International Photo Biology meeting, France*. Oral Presentation
04. **Hettiarachchi, C**, Datta, S, Holm, M. (2005) Characterization of HY5 interacting B-box proteins that regulate plant growth and development. Abstract, *5th Workshop in the Nordic Arabidopsis Network, Denmark*. Oral presentation
03. **Hettiarachchi, C**, Datta, S, Holm, M. (2005) Characterization of HY5 interacting B-box proteins that regulate plant growth and development. Abstract, *16th International Conference on Arabidopsis Research, Madison, USA*, Poster presentation
02. **Hettiarachchi, G.H.C.M**, Gooneratne J., Hirimburegama W.K. (1997) Influence of relative humidity and initial moisture content on accumulation of aflatoxins in maize seeds. *Pro Sri Lanka Asso. Advmt Sci* 53 (1) 113.
01. Gooneratne J., Jayawardana S.N., **Hettiarachchi G.H.C.M.** , Chandrakumara W.A.D.S., Wijetilake L.C. (1997) Effect of field conditions on the pre-harvest contamination of aflatoxin producing organisms in maize during “Yala” 1996 and “Maha” 96/97. *Pro Sri Lanka Asso. Advmt Sci*. 53 (1) 114.

Employments History

April 2017 to date – Professor in Molecular biology and Biochemistry

Department of Chemistry, University of Colombo

May 2006 to April 2017- Senior Lecturer

Department of Chemistry, University of Colombo

February, 2011 to February, 2012 – Guest Researcher

Department of Plant and Environmental Science, University of Göteborg, Sweden

April 2009 to date - Visiting Lecturer

Department of Chemistry, University of Kelaniya

April 2009 to date - Visiting Lecturer

Department of Botany, University of Kelaniya

June, 2004 to May 2006 - Postdoctoral Researcher

CMB- Molecular Biology, University of Göteborg, Sweden

June , 1998 to May 2004 - Research Officer Agro & Food Technology Division, ITI, Colombo 07, Sri Lanka.

January 1997 to June 1998 – Demonstrator

Department of Botany, University of Colombo, Sri Lanka.

Other Professional Involvement

- Council member -SLAAS(2017 -todate)
- President SLAAS Section D (2017)
- Secretary SLAAS CPS (2016)
- Vice President, SLAAS section D (2016)
- Committee member CPS, SLAAS (2015 to 2018)
- Secretary SLAAS section D (2014)
- Committee member SLAAS, Section D (2003-2004), (2012 – 2018)
- Life Member of Sri Lanka Institute of Biology
- Life Member of Sri Lanka Association for the Advancement of Science (SLAAS)
- Member of Sri Lanka Association for Improving Higher Education Effectiveness (SLAIHEE)
- Member of the General Research Committee, SLAAS (2004)
- Visiting lecturer for the undergraduate programs at Department of Chemical Engineering and Processing, Department of Electronic and telecommunication, University of Moratuwa, Department of Botany, University of Colombo, Department of Botany, University of Kelaniya, Institute of Chemistry, Sri Lanka, Rajagiriya
- Visiting lecturer for the post graduate programs : M.Sc in Applied Organic Chemistry, Department of Chemistry, University of Colombo, PGIM, University of Colombo, Department of Forensic Sciences, Faculty of Medicine, University of Colombo
- Research supervisor for PhD, M.Phil, M.Sc students in University of Colombo, Post Graduate Institute of Science and Post Graduate Institute of Agriculture, University of Peradeniya and University of Wayamba, Sri Lanka

Other Responsibilities

Coordinator M.Sc in Applied Organic Chemistry (2012 to date)

Co-Director Career Guidance Unit, Faculty of Science, University of Colombo (2014 to date)

Faculty Coordinator EC 2001 and 3001 (2010 –to date)
Student Counselor, Faculty of Science, University of Colombo (2010 – 2011)
Career Counselor, Faculty of Science, University of Colombo. (2013 – to date)
Academic warden of student’s House Maharagama Rd, Borlasgamuwa (2012 – 2013)
Academic warden of Navinna Female Students House (2013-2014)
Academic warden of Thelawala Girl’s hostel (2014)

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I hereby declare that the given particulars above are true and accurate to the best of my knowledge.

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