

Profile and curriculum vitae of Prof. Ranjith Senaratne

Profile

Prof. Ranjith Senaratne, former Senior Professor of Crop Science, Faculty of Agriculture, University of Ruhuna, possesses over 40 years of experience in higher education, including teaching, research and administration and community development. He has held several senior administrative positions with distinction for a period of over 20 years, i.e. the posts of Dean, Faculty of Agriculture and Vice-Chancellor, University of Ruhuna, Chairman of the Committee of Vice-Chancellors and Directors, Chairman of the Ocean University and Vice Chairman, University Grants Commission. Presently, he serves as Chairman of the National Science Foundation and will be the General President of the Sri Lanka Association for the Advancement of Science in 2023.

As Vice Chancellor, University of Ruhuna, he has been strongly committed to promoting academic excellence, high impact research, creative enterprise, strategic partnership with industry, community development and international cooperation. In recognition of his outstanding contribution in education, science, community development and international cooperation, the University of Durham, UK conferred an honorary Doctorate (*honoris causa*) on him in 2007.

Prof. Senaratne has been the recipient of several internationally competitive and prestigious research grants, i.e. from the Board on Science and Technology for International Development (BOSTID) of the National Research Council of the USA and has held several coveted fellowships, including the Andre Mayer Fellowship of the FAO and the Marie Curie Fellowship of the European Community. He is a Fellow of the National Academy of Sciences and has over 100 research communications and papers to his credit. In addition, he has written and edited over 10 books related to agriculture, higher education, science & technology and national development.

Prof. Senaratne has provided strategic, inspirational and operational leadership to higher educational institutions, and he is a visionary leader and an institution builder.

Curriculum vitae

01. NAME : Ranjith Senaratne

02. DATE OF BIRTH : 21.07.1954

03. NATIONALITY : Sri Lankan

04. SEX : Male

05. MARITAL STATUS : Married

06. ADDRESS : Official:

Department of Crop Science
Faculty of Agriculture
University of Ruhuna
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: Residence: 381/6, Kumaratunga Mawatha,
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07. PRESENT POSITION

: National Science Foundation
47/5, Maitland Place, Colombo 07

08. EDUCATIONAL QUALIFICATIONS:

- (i) Ph.D. in Civil Law (*honoris causa*), University of Durham, UK (07 Feb 2007)
- (ii) Ph.D. in Agriculture, University of Agriculture, Vienna, Austria (1982 October -1986 February) (21 Feb 1986)
Subjects: Agronomy, Plant Breeding & Genetics and Microbiology.

Thesis: Studies on Nitrogen Fixation and Residual Effects of Some Legumes.

- (iii) M. Phil in Agriculture at the Post-Graduate Institute of Agriculture, University of Sri Lanka, Peradeniya, Sri Lanka (1978-1980) (05.02.1981)
Subjects: Plant Physiology, Crop Physiology and Biochemistry.

Thesis: Propagation and Evaluation of *Madhuca longifolia* L. Macbr.)

- (iv) B.Sc. in Agriculture, the University of Sri Lanka, Peradeniya, Sri Lanka (1973-1977)(01.08.1977)
Class: Second Class Honours
Subjects: Crop Production, Plant Breeding and Genetics, Plant Physiology and Biochemistry, Soil Science, Agricultural Engineering, Entomology, Pathology, Agricultural Extension and Animal Science.

09. WORK EXPERIENCE :

(a). *Academic:*

Has about 40 years of experience in teaching and research at university

- i. Senior Professor of Crop Science, University of Ruhuna from 01.09.2005 to date

Conducts lectures on principles of crop production, agronomy of agricultural crops, crop physiology, soil fertility, nutrient cycling, biological nitrogen fixation, agro-forestry, ecosystem restoration, innovation, entrepreneurship, leadership etc. and supervise postgraduate students in agronomy and allied fields.

- ii. Professor of Crop Science, University of Ruhuna from 09.02.1998 to 31.08.2005.

Conducted lectures on principles of crop production, agronomy of agricultural crops, crop physiology, soil fertility, nutrient cycling, biological nitrogen fixation, agroforestry, ecosystem restoration etc. and supervised postgraduate students in agronomy and allied fields.

- iii. Associate Professor in Crop Science, from 29.12.1995 to 08.02.1998

Conducted lectures on principles of crop production, agronomy of agricultural crops, crop physiology, soil fertility, nutrient cycling, biological nitrogen fixation, agroforestry, ecosystem restoration etc. and supervised postgraduate students in agronomy and allied fields.

- iv Senior Lecturer in Crop Science, University of Ruhuna, Sri Lanka from 25.02. 1986 to 28.12.1995.

Conducted lectures on principles of crop production, agronomy of crops of economic importance, crop physiology, biological nitrogen fixation of legumes etc., and supervised post-graduate students in agronomy, biological nitrogen fixation and nitrogen cycling in legume-based cropping systems.

- v. Graduate Student in Agronomy at the Department of Agronomy and Plant Breeding at the University of Agriculture, Vienna, Austria from 01.10.1982 to 21.02.1986 reading for Ph.D.

- vi. Assistant Lecturer in Agronomy from 31.10.1980 to 30.09.1982 at the University of Ruhuna, Sri Lanka, conducting lectures and practical classes in Crop Production and Plant Physiology.

- vii. Graduate Student in Agricultural Biology at the Post-Graduate Institute of Agriculture, University of Sri Lanka, Peradeniya, from 09.05.1978 to 01.10.1980 reading for M.Phil. (Agric.) degree.

(b). Administrative:

Has over 20 years of experience in administration at senior executive level at higher educational institutions

- (i) Chairman, National Science Foundation from 23 January 2020 to date
- (ii) Vice Chairman
University Grants Commission, Sri Lanka from May 2011 – February, 2015
- (iii) Chairman, Ocean University (National Institute of Fisheries and Nautical Engineering) from July 2008 – March, 2015
- (iv) Vice Chancellor, University of Ruhuna for two terms, i.e. from 09.03.2001 to 08.03.2004 and 09.03.2004 to 08.03.2007.
- (v) Chairman of the Committee of the Vice-Chancellors and Directors (CVCD) of Sri Lankan Universities in 2006
- (v). Dean of the Faculty of Agriculture, University of Ruhuna from 11.11.1992 until 15.05.1993 (on sabbatical leave w.e.f. 15.05.1993 for 2 years) and from 09.06.1995 to 09.06.1998 and from 17.06.1998 to 08.03.2001.

- (vi). Head, Department of Crop Science, University of Ruhuna from 04 .04. 1995 until 09.06.1995.

10. ACADEMIC DISTINCTIONS

(a). *Fellowships won*

- (i). From the International Atomic Energy Agency of the United Nations from July, 1984 to September, 1985 at the FAO/IAEA Laboratory at Seibersdorf, Austria.
- (ii). From the International Crop Research Institute for the Semi-Arid Tropics on Crop Improvement with special reference to Groundnut from 14 March 1987 to 10 April 1987 at ICRISAT, India.
- (iii). From the Stapledon Memorial Trust in UK to study legume-based pastoral systems in tropical and sub-tropical Australia from 01-28 February 1989.
- (iv). From the Deutscher Akademischer Austauschdienst (DAAD) in Germany from 06.07.1992 to 03.08.1992 to visit some Universities in Germany which are actively involved in research on nitrogen fixation and allied areas.
- (v). The Andre' Mayer Fellowship from the FAO of the United Nations for 15 months from 15 May 1993 to study "The role of woody pioneer species in improvement of degraded soils and afforestation.
- (vi) Marie Curie Fellowship from the European Community for 06 months from September, 1994 to work on "Inter-specific N transfer in legume + cereal intercropping systems at Wye College, University of London.

(b). *Grants received*

- (i). From the **Canadian International Development Agency**, Canada (Grant No. CIDA/87/24; Budget US \$ 43,000.00) to study nitrogen fixation of and N-transfer from some legumes to the associated crop as affected by the level of nitrogen and potassium.
- (ii) From the Board on Science and Technology for International Development (**BOSTID**) of **National Academy of Sciences, USA** (Grant No. BNF-LLK-2-88-82; Budget US \$ 110,000.00) for studies on improved nitrogen fixation of cowpea, mungbean and groundnut intercropped with maize.
- (iii). From the **International Atomic Energy Agency** in Vienna (Grant. No: 5932 DP Budget: US \$ 15,000.00) for improvement of nitrogen fixation of mungbean.
- (iv) From the **GTZ in West Germany** (Grant No. PN 87 2061. 7-32/88, Budget DM 38,000.00) for studies on identification of fast-growing tree species adaptable to different agro-ecological conditions in the Southern Province of Sri Lanka.

- (v) **From Canadian International Development Agency** for a project on “Environmental and Livelihood Restoration and Development in Tsunami-affected Coastal Areas of Sri Lanka” in 2006 at University of Ruhuna jointly with the Universities of Guelph, Manitoba, Waterloo and Queens of Canada with a budget of Can. \$ 2.5 million.

11. FOREIGN UNIVERSITIES AND RESEARCH INSTITUTES VISITED

I have visited over 90 foreign universities and research institutes in about 25 countries and have held discussions with the Presidents/Vice-Chancellors, administrative staff, professors, senior academics, research officers etc. of the institutions visited. Lectures have been delivered at some of these institutions on invitation.

1. Australia

University of Queensland
Commonwealth Scientific and Industrial Research Organization (CSIRO) - stations in Brisbane, Gympie, Rock Hampton and Catherine
Department of Primary Industries, Queensland

2. Austria

International Atomic Energy Agency (IAEA) in Vienna
United Nation’s Industrial Development Organisation (UNIDO)
University of Agriculture in Vienna
University of Vienna

3. Bangladesh

University of Dhaka
Soil Resources Development Institute, Dhaka

4. Belgium

Katholieke Universitat Leuven

5. Canada

University of Guelph
University of Waterloo
University of Manitoba
University of Alberta
Agriculture Canada – Manitoba

6. China

Heilongjiang Academy of Agricultural Sciences, Harbin
Ocean University of China, Quindao

7. Germany

University of Kologne (Koln)
Max-Plank Institute, Koln
Philipps -University - Marbug
Gesamthochshule Kassel
George – August University – Gottingen
University of Erlangen-Nurenburg,
GTZ

- 8. India**
International Crop Research Institute for Semi-Arid Tropics (ICRISAT)
Indian Council for Agricultural Research (ICAR)
Mahatma Gandhi University, Kottayam
University of Madras
South Asian University
- 9. Indonesia**
Biotrop GCTE South East Asian Impact Centre
South East Asian Regional Centre for Tropical Biology
Global Change Impact Centre for South East Asia
University of Agriculture & Forestry - Bogor
- 10. Italy**
Food and Agriculture Organization (FAO), Rome
World Food Programme, Rome
- 11. Japan**
Kyoto Botanic Gardens/Institute
- 12. Kenya**
International Crop Research Institute on Agroforestry (ICRAF)
- 13. Malaysia**
Forest Research Institute of Malaysia (FRIM)
University of Pertanian, Malaysia (UPM)
- 14. Nepal**
Tribhuvan University
- 15. The Netherlands**
University of Wageningen
Alterra/Green World Research, Wageningen
Research Station for Nursery Stock, Boskoop.
- 16. Norway**
University of Agder
Bodo University College
University of Bergen
University of Life Sciences
Stromme Foundation, Kristiansand
ARC-aid, Kristiansand
University of Stavanger
University of Science and Technology (NTNU) - Trondheim
International Research Institute of Stavanger (IRIS)
Rogaland Science Park
Bodoe Knowledge Park
- 17. Pakistan**
Nuclear Institute for Agriculture and Biology (NIAB)
- 18. Philippines**
Development Academy of the Philippines

- 19. Singapore**
National University of Singapore
- 20. South Korea**
Korean Institute of Science and Technology (KIST)
Songdo Techno Park
- 21. Sweden**
University of Stokholm
Uppsala University
Karlstad University
Linkoping University
Karolinska Institute
Royal Institute of Technology (KTH)
Hogskolan Dalarna
National Agency of Innovation
Norrkoping Science Park
Uppsala Innovation Centre
- 22. Thailand**
University of Khon Kaen
University of Kesetsart
NifTAL Regional Office, Bangkok
University of Ching Mai
Department of Agriculture
Huntra Rice Experimental Station
- 23. UK**
University of Oxford
University of Bangor, Wales
Institute of Terrestrial Ecology, Bangor
Wye College University of London
University of Reading
University of Durham
University of Ashton
University of Birmingham
- 24. USA**
University of Cornell, New York
Boyce-Thompson Institute, New York
University of Minnesota, St. Pauls
Iowa State University, Ames
University of Lincoln, Nebraska
Kansas State University, Manhatton
University of Hawaii –NIFTAL in Maui
University of Tennessee, Tennessee
- 25. Vietnam**
Hanoi Agricultural University (HAU)
Ministry of Agriculture and Fisheries

12. RESEARCH PUBLICATIONS

(a). *Books*

1. Senaratne, R. and G.A. Dayatilake. (Ed) (2000). Revitalization of Cinnamon Industries in Sri Lanka: Constraints and Remedies, Faculty of Agriculture, University of Ruhuna, p 144.
2. Senaratne, R. and V.W. Herath. (2009) ශ්‍රී ලංකාවේ පශ්චාත් සුනාමි සංවර්ධනය හා වගකීම. (ISBN: 978-955-97159-2-4)
3. Senaratne, R and V.W. Herath. (2011) Socio Economic Analysis of Multi day Fisheries Industry
4. Senaratne, R. and S. Sivasegaram. (Ed) (2012). Workshop Proceedings on Re-creating and Re-positioning of Sri Lankan Universities to meet Emerging Opportunities and Challenges in a Globalized Environment. University Grants Commission
5. Senaratne, R., G.C. Filson and J. Janakiram. (Ed) (2012) Workshop Proceedings on Rebuilding of Tsunami Affected Areas in the Southern and the Eastern Provinces of Sri Lanka, Tharanjee Prints, p 442.
6. Senaratne, R. and S. Sivasegaram (Ed) (2013). Workshop Proceedings on Competency Building and Capacity Enhancement of the Emerging Off-shore Gas and Oil Industry in Sri Lanka, University Grants Commission, p166
7. Senaratne, R. (2014). Articles and Speeches related to Higher Education and National Development, Tharanjee Prints, p 206
8. Senaratne, R. and Pathirana, R. (Ed) (2021). Cinnamon: Botany, Agronomy, Chemistry and Industrial Applications, Springer Nature Switzerland, p 442.
9. Senaratne, R. (Ed) (2021): The Future of the Agriculture and The Agriculture of the Future: From Beaten Track to Untrodden Paths, Tharanjee Prints, p 515.
10. Senaratne, R., Amaratunga, D., Mendis, S. and Athukorala, P. (Ed) (2021). COVID 19: Impact, Mitigation, Opportunities and Building Resilience: From Adversity to Serendipity, National Science Foundation, Sri Lanka, p 790.
11. Senaratne, R. and Sivasubramaniam Pathmanathan (Ed) Peace Building and Reconciliation: Role of Higher Education (To be printed)

(b). *Articles in Learned Journals*

1. Senaratne, R., H.M.W. Herath and S. Balasubramaniam. (1981) Preliminary investigations on vegetative propagation of *Madhuca longifolia* (L). **Macbr Sri Lanka Forester**. 15, (1 & 2), 61-70.

2. Senaratne, R., H.M.W. Herath and S. Balasubramaniam. (1982) Investigations on quantitative and qualitative analysis of oils of *Madhuca longifolia* (L). Macbr. **Nat. Agric. Soc. of Ceylon**, 19, 89-98.
3. Senaratne R., H.M.W. Herath and S. Balasubramaniam. (1983) Some cytological studies of *Madhuca longifolia* (L). Macbr. **Beitrag zur tropischen Landwirtschaft und Veterinarmedizin**, (4) 21, 465-467.
4. Senaratne R., and D.A.B.N. Amarasekara. (1984). Effect of seed inoculation on nodulation, growth and yield of groundnut (*Arachis hypogaea* L.). **Beitrag zur tropischen Landwirtschaft und Veterinarmedizin** 22 (1), 63-68.
5. Senaratne R., and P.S.J.W. Seresinhe. (1984). Effect of seed treatment on germination of Ipil-Ipil seeds (*Leucaena leucocephala*) **Beitrag zur tropischen Landwirtschaft und Veterinarmedizin**, 22(1) 69-72.
6. Senaratne R., H.M.W. Herath and S. Balasubramaniam (1984). Composition of amino acids in free state in seed kernels of *Madhuca longifolia* (L). **Beitrag zur tropischen Landwirtschaft und Veterinarmedizin**, 22 (4), 397-400
7. Senaratne R., C. Amornpimol and G. Hardarson. (1987). Effect of combined nitrogen on nitrogen fixation of soybean (*Glycine max* L. Merrill) as affected by cultivar and Rhizobial strains. **Plant and Soil**, 103, 45-50.
8. Senaratne, R., and G. Hardarson. (1988). Estimation of residual N effect of feba bean and pea on two succeeding cereals using 15-N methodology. **Plant and Soil**. 110, 81-89.
9. Senaratne, R. and D. Ratnasinghe. (1993). Ontogenic variation in nitrogen fixation and accumulation of nitrogen in cowpea, groundnut, mungbean and blackgram. **Biology and Fertility of Soils**. 16, 125-130.
10. Senaratne, R. and D. Ratnasinghe (1993). Nitrogen supply by groundnuts to maize in maize + groundnut intercropping system, as affected by the genotype. **Biology and Fertility of Soils**.15, 215-219.
11. Senaratne, R., N.D.L. Liyanage and D. Ratnasinghe (1993). Effect of K on nitrogen fixation of intercrop groundnut and maize. **Fertilizer Research**, 34, 9-14.
11. Senaratne, R., (1993) Effect of nitrogen application on the A_N value of soil. **Biology and Fertility of Soils**, 16, 299-301.
13. Senaratne, R and M.T.K. Gunasekara (1994). Nitrogen Fixation, Growth and Yield of Intercropped Mungbean (*Vigna radiata* L.) and Groundnut (*Arachis hypogaea* L.) as Affected by the Genotype. **J. Agronomy and Crop Science**, 173, 53-60.
14. Senaratne, R., N. D. L. Liyanage and R.J. Soper (1995). Nitrogen fixation of and N transfer from cowpea, mungbean and groundnut when intercropped with maize. **Fertilizer Research**, 40, 41-48.
15. Senaratne, R., and Ratnasinghe, D.S. (1995) Nitrogen fixation and beneficial effects of some grain legumes and green-manure crops on rice. **Biology and Fertility of Soils**, 19, 49-54.

16. Senaratne, R., and S. Subasinghe (2000). Below-Ground Competition in a Maize/Groundnut Intercropping System as Affected by the Rooting Soil Layer, **Plant Prod. Sci.** 3(2): 108-111
17. R. Senaratne and Wickramasinghe, S. (2000) Contributions of the National Science Foundation to Agricultural Research in Sri Lanka". **J. Natn. Sci. Foundation Sri Lanka**, 28:1-16
18. S. Subasinghe R. Senaratne and M.A. Pemadasa (2000). Use of ¹⁵N to study the N fixation, N transfer and yield of intercropped groundnut (*Arachis hypogea* L.) as affected by genotypes and the root barrier. **Trop. Agric. Research and Ext.** 3(1): 46-49.
19. G. A. Dayatilake S. Subasinghe and R. Senaratne (2000) N fixation, N transfer in Maize/Cowpea and Sorghum/Cowpea intercropping systems as determined by ¹⁵N isotop dilution technique. **Trop. Agric. Res. and Ext.** 3 (1) 45-49
20. S. Subasinghe and R. Senaratne (2002) Effect of Groundnut genotypes on interactions in Maize- groundnut intercropping system. **Bangladesh J Agric. Res.** 27(1):25-33.
21. Subasinghe S., Dayatilake G. A. and Senaratne R. (2003). Studies on the impact of combined N application and inoculation on BNF, growth and yield of cowpea (*Vigna unguiculata* (L.) Walp. **Proceedings of the First Academic Sessions**, University of Ruhuna, 11th July 2003. 9-13
22. Subasinghe S., Dayatilake G.A. and Senaratne R (2003) Effect of B, Co and Mo on growth and yield of Cowpea (*Vigna unguiculata*). **Trop. Agric. Res. and Ext.** 6 45-49, 2003 108-112.
23. Subasinghe S and Senaratne R (2003). Effect of N, K and Inter-row spacing on the Growth and Yield of Intercropped Maize and Groundnut. **Sabaragamuwa University Journal**, 3(1):75-80.
24. Subasinghe S., Senaratne R. and Weerasinghe W.I.L (2003). Development of effective propagation techniques for Elabatu. **Proc. of the First Academic Sessions**, University of Ruhuna, 11th July 2003, 14-18.

(C). Papers/Posters presented in Congresses Conferences, Workshops and Symposia.

1. Senaratne, R. and D.A.B.N. Amarasekara (1982) Effect of seed inoculation on nodulation and growth of winged bean (*Psophocarpus tetragonolobus* L. DC) Sessions of Sri Lanka Association for the Advancement of Science.
2. Senaratne, R., G. Hardarson and C. Amornpimol. (1986) Effect of combined nitrogen on nitrogen fixation of soybean (*Glycine max* L. Merrill) as affected by cultivar and rhizobial strain. Abstracts published in proceedings of Regional Symposium on "Biotechnology of nitrogen fixation in the Tropics" in Malaysia, 25th-29th August, 1986, p. 36.
3. Senaratne, R., and S.G. Hardarson. (1987). Estimation of residual effect of faba bean and pea on two succeeding cereals using 15-N methodology. Proc. of workshop on Food Legume. Improvement for Asian Farming Systems" held in Khon Kaen, Thailand, 1st-5th September 1986. P-281.

4. Senaratne, R., Hardarson, G and Liyanage N.D.L. (1988). Effect of soybean cultivation on the nitrogen balance in soil. In Nitrogen Fixation: "Hundred Years After" Proc. 7th International Congress on Nitrogen Fixation held 13-20 March 1988, Cologne, West Germany, Gastav Fisher, Stuttgart, p-833
5. Senaratne, R., and Gunesekara M.T.K. (1989). Improved nitrogen fixation by cowpea, groundnut and mungbean intercropped with maize. Abstract in Proc. PSTC/BOSTID 29 July 1989, Ames, Iowa, USA.
6. Senaratne, R. and Hardarson, G. (1989) Comparison of the accuracy of the Difference method as against Isotopic Methods in determining nitrogen fixation of field-grown faba bean (*Vicia faba L.*) and pea (*Pisum sativum L.*) Proc. North American Symbiotic Nitrogen Fixation Conference held 30 July - 03 August 1989, in Iowa, USA, p-114.
7. Senaratne, R. (1989). Use of Nitrogen-tracer techniques for research on biological nitrogen fixation and allied areas. Paper presented at a seminar on the "Use of Isotopes and Radiation Techniques in Agriculture" held 18-19 Dec. 1989, at Sri Lanka Association for the Advancement of Science, Colombo.
8. Senaratne, R. (1990) Augmenting the production of fuelwood through developing fast growing tree species adaptable to different agro-ecological conditions in Sri Lanka. In "Fast growing trees and nitrogen fixing trees" Eds. D. Werner and P. Muller Gustav Fisher Verlag, Stuttgart. p. 361.
9. Senaratne, R., and Liyanage, N.D.L. (1990). Selection of mungbean (*Vigna radiata L. Wilczek*) for high nitrogen fixation. Proc. 8th International Congress on Nitrogen Fixation held 20-26 May, 1990, in Knoxville, Tennessee, USA. Eds. P.M. Gresshoff and L.E. Roth Chapman and Hall, New York, p 672.
10. Gunesekara, M.T.K. and Senaratne, R., (1990) Effect of K in alleviating competitive depression of mungbean on maize + mungbean intercropping systems. Proc. 14th Int. Congress of Soil Science held on Kyoto, Japan, Aug. 1990, p 501.
11. Senaratne, R., and Gunesekara, M. T.K. (1991) Nitrogen fixation of some genotypes of groundnut and mungbean intercropped with maize. Proc. 13th North American Symbiotic Nitrogen Fixation Conference held in Alberta, Canada from 25-30 Aug., 1991, p 94.
12. Senaratne, T. Liyanage, N.D.L. and Soper, R.J. (1991) Nitrogen fixation and nitrogen beneficial effects of some legumes in legume + cereal intercropping systems. Proc. 13th North American Symbiotic Nitrogen Fixation Conference held in Alberta, Canada from 25-30 Aug., 1991, p 95.
13. Senaratne, R and R.P. Kasturiarachchi (1992). Interspecific N transfer in legume-cereal intercropping system. A paper presented at a Conference on "Improving soil management for intensive cropping in the tropics and sub tropics" 1-3 Dec 1992, Dhaka, Bangladesh.
14. Kasturiarachchi, R.P and Senaratne, R. (1992). Some characteristics of salt-affected soils in Hambantota District. Proc. Sri Lanka Association for the advancement of Science, p. 18

15. Edirimanna, E.R.S.P. and Senaratne, R. (1992) Identification of high yielding genotypes of mungbean (*Vigna radiata* (L.) Wilzeck) under low nitrogen regime. Proc. Sri Lanka Association for the Advancement of Science. p. 28-29.
16. Ratnasinghe, D.S. and Senaratne, R. (1992) Comparative ontogeny of N₂ fixation of some grain legumes. Proc. Sri Lanka Association for the Advancement of Science, p 29-30.
17. Edirimanne, E.R.S.P. and Senaratne, R. (1992) Symbiotic performance of two varieties of cowpea (*Vigna unguiculata* (L.) Walp). Proc. Sri Lanka Association for the Advancement of Science, p. 50-51.
18. Kasturiarachchi, R.P. and Senaratne, R (1992). Effect of salinity on seed germination of cowpea (*Vigna unguiculata*) (L.) Walp.) as affected by the genotype. Proc. Sri Lanka Association for the Advancement of Science, p. 28-29
19. Dayatilake, G. A., Subasinghe, S. and Senaratne, R. (1993). A paper presented at the 4th FAO/IAEA RCM on the Improvement of BNF and yield of grown legumes with the aim of increasing food production and saving N fertilizer in the Tropics and Sub-Tropics of Asia, 30th August to 3rd September, Tamwrowth, Australia. Abstract published in the soils Newsletter, vo1.16, No.2, December 1993; 21p.
20. Senaratne, R. and Amarasinghe, M.K.T.K. (1996). Decomposition and nutrient dynamics of leaf litter of some agroforestry species. Proceedings Sri Lanka Association for the Advancement of Science.
21. Senaratne, R. and Amarasinghe, M.K.T.K. (1996). Relevance of Agroforestry species in ensuring food security in Sri Lanka with special reference to the Southern Province. Proc. seventh regional workshop on multipurpose trees, Kandy, Sri Lanka. 24- 26 October 1996, pp 52-68.
22. Senaratne, R. and Amarasinghe, M.K.T.K. (1997). Prospects of augmenting carbon sinks through establishment of early-successional species in degraded ecosystems. Proc. of National Symposium on Climate Change. (In Press)
23. Senaratne, R. and Amarasinghe, M.K.T.K. (1997). Food security in Sri Lanka: Prospects, Constraints and Solutions. Paper presented at International Symposium in Sri Lanka Association for the Advancement of Science, 1997. (In press)
24. Amarasinghe, M.K.T.K. and Senaratne, R. (1997). Decomposition and nutrient dynamics of leaf litter of some major agroforestry species in the low country wet zone of Sri Lanka. Proc. Sri Lanka Association for the Advancement of Science, 1997. Abstract published in proceedings.
25. Amarasinghe, M.K.T.K. and Senaratne, R. (1997). Size and floristic composition of the soil seed banks of some upland and lowland fields at Kamburupitiya. Proc. Sri Lanka Association for the Advancement of Science, 1997.
26. Senaratne, R. and Amarasinghe, M.K.T.K. (1997). Effect of agriculture on environment. Paper presented at 3rd Annual Forestry Symposium - 12-13 December 1997, Hikkaduwa, Sri Lanka. (In press).

27. Ratnayake, C.S.K.A. and Senaratne, R. (1997). Spatial and temporal variability of salinity in some salt-affected soils in Hambantota district. Proc. Sri Lanka Association for the Advancement of Science.
28. Kanthi, M.W.A., Ratnayake, C.S.K.A. and Senaratne, R. (1997). Effect of salinity on seed germination of some agroforestry species in Sri Lanka. Proc. Sri Lanka Association for the Advancement of Science.
29. Subasinghe, S., Senaratne, R. and Pemadasa, M. A. (1997). Effect of Groundnut Cultivars on the Competitive Balance and Productivity of Maize/ Sorghum-Groundnut Intercropping systems. Proc. Sri Lanka Association for the Advancement of Science, 83p
30. Amarasinghe, M.K.T.K. and Senaratne, R. (1998). Effect of mixing of leaf litter of some agroforestry species on the time course of decomposition. Proc. Sri Lanka Association for the Advancement of Science, 1998.
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32. Senaratne, R., Dayatilaka, G.A. and Subasinghe S. (1998). Studies in Sri Lanka on Cowpea; N₂ fixation, Growth, yield and Effects of cereals. Published in the IAEA TECDOC-1027 of Improving Yield and Nitrogen Fixation of Grain Legumes in the Tropics and Sub-tropics of Asia. Results of a co-ordinated research programme organized by the Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, 117-130.
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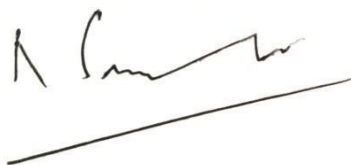
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I hereby certify that the information furnished above is true and accurate to the best of my knowledge.



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