# CURRICULUM VITAE – G. L. L. P. SILVA

Senior Professor in Animal Science

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**(nee Liyanage)**

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<https://www.researchgate.net/profile/Pradeepa-Silva>

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**Educational Qualification**

**University Education**

i. Degree obtained : B. Sc. degree in Agriculture, 1981- 1985

Institute : Faculty of Agriculture

University of Peradeniya, Sri Lanka

ii. Degree obtained : Ph.D. in Genetics and Animal Breeding, 1991- 1994

Thesis titled Genetic Analyses of Litter size and Body Weight of mice

Institute : Department of Animal Science,

Faculty of Agriculture

University of Sydney, Australia

**Employment History**

**Primary Employment :**

1986 : Temporary Assistant Lecturer

Department of Soil Science, Faculty of Agriculture, University of Peradeniya.

Taught undergraduate courses in soil science, which include theory and practical. Conducted laboratory analyses of soil samples.

1987 : Casual Research Assistant

March Division of soil science, Central Agricultural Research Institute, Gannoruwa

Laboratory analyses of soil samples, Field visits to identify problem soils.

1987 : Probationary Assistant Lecturer / Lecturer (till 1995 December)

August Department of Animal Science, Faculty of Agriculture, University of Peradeniya.

Taught undergraduate students various aspects of Animal Production including Animal management. Conducted research concerning Animal breeding and product processing.

1995 : Senior Lecturer (till August 2009)

December Department of Animal Science, Faculty of Agriculture, University of Peradeniya.

Teaching undergraduate courses in Genetics and Animal Breeding and Growth of farm animals. This areas include basic theories of population and quantitative genetics, improving farm animals by selection and breeding and, factors affecting growth, growth analyses, respectively.

Supervising student research projects in the above areas.

2009 : Professor (till August 2017)

August Department of Animal Science, Faculty of Agriculture, University of Peradeniya.

Teaching undergraduate courses in Genetics and Animal

Breeding and Growth of farm animals. The areas include basic theories of population and quantitative genetics, improving farm animals by selection and breeding and, factors affecting growth, growth analyses, respectively.

Supervising student research projects in the above areas.

2017 : Senior Professor (to date)

August Department of Animal Science, Faculty of Agriculture, University of Peradeniya.

**Other Appointments :**

1996 : Visiting Lecturer and Examiner (till December 1997)

January Uva Campus, Sabaragamuwa University of Sri Lanka

Teaching the courses in Genetics and breeding of farm animals

1996 : Visiting Lecturer (to date)

October Postgraduate institute of Agriculture, University of Peradeniya

Teaching postgraduate students and supervising their research in the area of genetics and Animal Breeding. This includes application of genetics and breeding methods for the improvement of livestock animals and also the covers the areas like selection index methodology and mixed model methodology in animal breeding and, biochemical and familial disorders in animals.

1999, : Visiting lecturer

2005-2006 Faculty of Agriculture, University of Ruhuna

Teaching genetics and breeding to undergraduate students

2001 : External Examiner (to date)

Faculty of Agriculture, Eastern University

Moderating and Marking of question papers for undergraduate students.

2005: Visiting Lecturer

Department of Agricultural Systems, Faculty of Agriculture, Rajarata University of Sri Lanka.

Teaching the courses in Genetics and breeding of farm animals.

2008: Visiting Lecturer

Faculty of Medicine. University of Peradeniya.

Teaching the courses in Advances in Genetics and Breeding of Farm Animals for the Elective/Selective Program.

2019: Visiting Lecturer

Faculty of Faculty of Animal Science and Export agriculture, Uva Wellassa University of Sri Lanka, Badulla.

Teaching the course Genetics and Breeding of Farm Animals.

**Professional Training**

1. UK-University of Peradeniya Education Training Workshop on Teaching Methodology conducted by Agricultural Education and Training Unit, Wolverhampton Polytechnic.1988.
2. The Principles and Practice of Counseling, 1997. Conducted by University of Peradeniya.
3. Intensive Training Course on Environmental Impact Assessment. January 2002. Conducted by Central Environmental Authority of the Ministry of Environment and Natural Resources in association with the Centre for Environmental Studies, University of Peradeniya.
4. Use of Counseling Skills in Higher Education. May 2002. Conducted by University of Peradeniya.
5. ISO 9001: 2000 for Education Sector, May 2005. Conducted by the Sri Lanka Standards Institute, Colombo, Sri Lanka.
6. Curriculum Development and Assessment. March 2009. Training program conducted by the California State University Fresno, USA.
7. Genetic Resources and Intellectual Property Rights. 2011. Training program conducted by Swedish University Agricultural Science, Stockholm Environment Institute SvalÖf Consulting and Swedish Intenational Development Cooperation Agency (Sida), at Alnarp, Sweden.

**Other Special Training**

1. **“Institutional Review”**. Training conducted by the Higher Education for the Twenty First Century (HETC) Project Ministry of Higher Education and Research, Sri Lanka & University Grants Commission, October 2015.
2. “**Genetic Resources and Intellectual Property Rights”** - Training conducted by the Swedish University of Agricultural Sciences and Svalof Consulting, on behalf of Swedish International Development Cooperation (SIDA), 2nd -20th May 2011. Alnarp, Sweden.
3. **“Characterization of Genetic Resources - Molecular data analysis”**- Training conducted for IAEA Coordinated Research Project on’ Gene-based Technologies in Livestock Breeding: Characterization of Small Ruminant Genetic Resources in Asia, 1st – 14th November, 2009. CAAS/ILRI Joint Laboratory of Livestock and Forage Genetic Resources, Beijing, China.
4. “**Application of Decision support tools to conserve and sustainably use genetic diversity in livestock and wild relatives**” - Inception workshop of GEF-UNEP-ILRI FAnGR Asia project, 22-25 June, 2009, Dhaka, Bangladesh.
5. “**Sustainable improvement on Animal Production and health**”- FAO/IAEA Symposium onConducted by joint FAO/IAEA division of Nuclear Technique in Food and Agriculture, 8th 13th June, 2009, International Atomic Energy Agency, Vienna, Austria.
6. **“Control and Management of Invasive Alien Species in Sri Lanka” -** National Symposium on Invasive Alien Species. Jointly organized by Biodiversity secretariat, Ministry of Environment and Natural Resources, the Agriculture Education Unit (AEU) of the University of Peradeniya and the Institute of Biology (Sri Lanka). 21st and 22nd May, 2009. Negambo, Sri Lanka.
7. **“Sustainable use of Animal Genetic Resources in Developing Countries”** - ILRI-SLU training course for University Teachers and Researchers: The follow-up workshop. 14th February to 320th February 2009, Kathmandu, Nepal.
8. “**Sustainable use of Animal Genetic Resources in Developing Countries**” - ILRI-SLU training course for University Teachers and Researchers. 13th February to 3rd March 2006, Kandy, Sri Lanka.
9. “**Molecular genetic characterization of small ruminants in Asia**’ - First Research Coordination Meeting Organized by International Atomic Energy Agency (IAEA), Vienna, Austria., and held in Bogor, Indonesia during 20th to 23rd September, 2005.
10. “**Molecular genetic characterization of small ruminants in Asia**” - Training and Planning Workshop Organized by International Livestock Research Institute (ILRI), on behalf of International Atomic Energy Agency (IAEA), Vienna, Austria., and held in Nairobi, Kenya during 14th December to 23rd December 2004
11. “**Capacity Building for sustainable use of Animal genetic resources in developing Countries**” - South Asia Planning Workshop Organized by International Livestock Research Institute (ILRI), Nairobi, Kenya and Swedish University of Agricultural Sciences, Upsala, Sweden. Held in Mymensigh, Bangladesh. 27th to 29th May 2004.
12. “**PDF-B Grant Development and application of decision support tools to conserve and sustainable use of genetic diversity in indigenous livestock and wild relatives**” – (GF/2715-03-4719) Steering Committee Meeting on the Asia Project Organized by the International Livestock Research Institute (ILRI), Held in Islamabad, Pakistan. 14th to 17th June, 2004.
13. “**Policy & Legal Recommendations**” - Consultation Workshop Organized by the National Bio-safety Framework Development Project, Ministry of Environment & Natural Resources. Held at Sri Lanka Foundation Institute (SLFI), Colombo on 28th May 2004.
14. “**PDF-B Grant on Development and application of decision support tools to conserve and sustainable use of genetic diversity in indigenous livestock and wild relatives**” - (GF/2715-03-4719) Asia Initiation Workshop on the proposal Organized by International Livestock Research Institute (ILRI), Nairobi, Kenya. 16th to 18th October, 2003.
15. “**Animal Genetic Resources Planning workshop’** – South East Asia consultative workshop organized by International Livestock Research Institute (ILRI), Nairobi, Kenya. Held in International Rice Research Institute (IRRI), The Philippines. 7-9 November, 2001.

**Contribution in Extracurricular Activities**

**As a resource person**

1. Resource Person – Workshop on revising the curriculum of the program offered by the Department of Animal and Food Sciences, Rajarata University of Sri Lanka, August 2020.
2. Resource Person – Workshop on Enriching curriculum, teaching and assessment in line with SLQF Guidelines at the Faculty of Management, University of Peradeniya, 2019.
3. Visiting Scholar – Contributed in developing bachelor of Animal Science (BAnimSc) curriculum, School of Land, Food and Biological Sciences, University of Tasmania, Australia, 2015
4. Resource Person - National Program on Capacity building of Invasive Alien. Species - Series workshops conducted by the Ministry of Environment and Renewable Energy Mahaweli Development & Environment in 2014, 2015, 2016.
5. Resource Person - Course and Teacher Evaluation, Induction program for University Teachers – 2015, 2016. Staff Development Center, University of Peradeniya
6. Resource Person - Workshop on Curriculum Development of the B.Sc. Animal Science & Food Technology program of Uva Wellassa University of Sri Lanka. 2015.
7. Resource Person – Outcome based teaching and Assessment for outcome based curriculum , 2013, Workshop on Curriculum Development Process and Student Cantered Teaching/ Learning and Assessment Methods - Environmental Conservation and Management Study Program, University of Kelaniya.
8. Resource Person – Training course on Applications of Biotechnologies in Livestock & Fisheries. Organized by Sri Lanka Council for Agriculture Research and Policy (CARP), held in Agriculture Biotechnology Centre, University of Peradeniya, September 2008
9. Resource Person – Expert meeting on "Sustainable Utilization as a support to the further development of the Global Strategy for Animal Genetic Resources Management” jointly organized by the World Association for Animal Production (WAAP) and FAO held in the Hotel San Pietro in Valle, Ferentillo (Terni), Italy, July 2006.
10. Resource Person – Characterization of Farm Animals: Application of Biotechnology in Agriculture, October 2005. Organized by Hector Kobbakaduwa Agriculture Research and Training Institute. Colombo.
11. Resource person – Production of GMF / GMO- Awareness workshop for media personnel 2003, School Children and Teachers (2003, 2004), Professional (2003, 2004) and farmers (2003, 2004). Organized by the National Bio-safety Framework Development Project, Ministry of Environment & Natural Resources.
12. Resource person – Training program on Alternative Poultry and Rabbit Production.2001, 2003, 2004, 2005. Organized by the Human Resource Development Division of the Department of Animal Production and Health, Sri Lanka.
13. Resource Person – Workshop on the preparation of National Action Plan (NAP) to combat land degradation and mitigate the impacts of Sri Lanka. During the year 2002. On the invitation of Natural Resources Management and Biodiversity Division of Ministry of Environment and Natural Resources.
14. Resource person – Seminar and Workshop on Livestock, Livestock Improvements, Products and processing. 2000. Organized by National Livestock Development Board (NLDB), Mid Country Livestock Development Center, Sri Lanka

**Contribution to Development Activities**

**National Development Activities:**

1. Governing Council member of Sri Lanka Institute of Agriculture (SLIAg) (2020 to date).
2. Member of the National Invasive Species Specialist Group (NISSG) (2013 to date) of Ministry of Environment.
3. Member of the National Committee on Agriculture Biotechnology (2009 -2020) of the Sri Lanka Council for Agriculture Research Policy (SLCARP).
4. Member of the National Animal Breeding Committee (1998 to date) of the Ministry of Agriculture and Livestock.
5. A member of the Technical evaluation committee on semen importation of the Department of Animal Production and Health. From 1997 to 2010.
6. Pre-testing of the technical publications by the Department of Animal Production and Health, Sri Lanka. 1999, 2010
7. Resource person: Curriculum Development for the Diploma in Agriculture Program of the Technical Colleges, National Institute of Technical Education of Sri Lanka. 2000 - 2002.
8. Member of the National Consultative Committee for the preparation of the first report on the state of the World's Animal Genetic Resources. From year 2001.
9. Member of the Young Scientists' Forum, National Science and Technology Commission (NASTEC), Ministry of Science and Technology. From year 2000.
10. Steering Committee member in the year 2001/2002. Young Scientists' Forum, National Science and Technology Commission (NASTEC), Ministry of Science and Technology.
11. Member of National Experts Committee (2002) for preparation of National Action Plan (NAP) to combat land degradation and mitigate the impacts of Sri Lanka. Natural Resources Management and Biodiversity Division of Ministry of Environment and Natural Resources.
12. Member of the Task Force No. 05: Impacts on Biodiversity. A committee appointed for the completion and improvement the Biodiversity Conservation of Sri Lanka – A Framework for Action, Natural Resources Management and Biodiversity Division of Ministry of Environment and Natural Resources.
13. National Coordinator and the Secretary of the National Steering Committee of the PDF-B project on Development and application of decision support tools to conserve and sustainable use of genetic diversity in indigenous livestock and wild relatives.
14. The secretary of Sri Lanka Association of Animal Production .1999 - 2002.
15. Organizing Committee member. Asian Buffalo Congress, 2000.

**Other academic development activities:**

1. Senate Representative: Management Committee of the Center of Quality Assurance, University of Peradeniya, 2021
2. Chairperson: Teaching Methodologies Unit, Faculty of Agriculture, University of Peradeniya. 2021.
3. Board of Management member: Postgraduate Institute of Agriculture (PGIA), University of Peradeniya. 2017 – to date
4. Faculty representative to Academic Development and Planning Committee (ADPC) of University of Peradeniya. 2016-2018.
5. Faculty representative to the Senate Research Committee of University of Peradeniya. 2016-2018.
6. Chairperson: Faculty Research Committee, Faculty of Agriculture, University of Peradeniya. 2016-2018,
7. Secretary: 1996 – 1998, 2004 October to 2006 December and 2014 - 2015, Curriculum Development Committee. Faculty of Agriculture, University of Peradeniya.
8. Core-team member of the Curriculum Development Committee. Faculty of Agriculture, University of Peradeniya. Since the year 2008.
9. Secretary: 1997. Landscape and Master Plan Committee, Faculty of Agriculture, University of Peradeniya.
10. Senior Student Counselor: 1995, 1997, 2002, 2003, 2008, 2009 University of Peradeniya.
11. Committee member: 2000. Peradeniya University Agriculture Teachers Association.
12. Secretary: 2001, 2002. Peradeniya University Agriculture Teachers Association.
13. Secretary: 2014, 2015. Alumni Association of Faculty of Agriculture, University of Peradeniya.
14. Member of the Management committee, Agricultural Biotechnology Center, Faculty of Agriculture, University of Peradeniya.
15. Member of the Management committee, Agri- Business Center, Faculty of Agriculture, University of Peradeniya.
16. Faculty representative for Academic Development and Program Committee (ADPC) of University of Peradeniya.
17. Chairperson, Faculty Research Committee and the Faculty representative to the Senate Research Committee (SRC)

**Appointment in connection to Development Activities**

1. **For Multi-country Research Projects**
2. **Project leader:** Comparative Analysis of Climate-Resilient Biodiversity of Homegarden ecosystems in Different Agro-ecological Regions of Sri Lanka. A National thematic research funded by National Science Foundation (NSF) starting from 2018
3. **Project Team member**: Building Climate Resilience in Farming Systems in Sloping Lands of South Asia. **-** A multi-country project funded by the Intergovernmental Panel on Global Change Research for the Asia Pacific Region (APN) 2015-2017.
4. **Project Team member (Sri Lanka Component):** Improve Climate Forecastingto enhance Food Security in Indian Ocean Rim Countries (AusAID Agreement 59533). A project Concerning India and Sri Lanka conducted by the Commonwealth Scientific and Industrial Research Organization (CSIRO), Australia (2012 - 2016)
5. **Principle Investigator:** Genetic Variation on the Control of Resistance to Infectious Diseases in Small Ruminants for Improving Animal Productivity <http://www-naweb.iaea.org/nafa/aph/crp/livestock-phase1.html>– A Multi-country project funded by the International Atomic Energy Agency (IAEA) 2010 - 2015
6. **Project Team member**: Vulnerability assessment of Home Gardens to Climate Change and its Impacts on Food Security **-** A multi-country project funded by the Intergovernmental Panel on Global Change Research for the Asia Pacific Region (APN) 2009-2012
7. **National Project Director:** Development & Application of Decision Support Tool to Conserve and Sustainable Use of Genetic Diversity in Indigenous Livestock & Wild relatives – A multi-country project funded by the Global Environmental Facility (GEF) through the International Livestock Research Institute (ILRI) 2009-2014
8. **Principle Investigator:** [Gene-based Technologies in Livestock Breeding: Characterization of Small Ruminant Genetic Resources in Asia](http://www-naweb.iaea.org/nafa/aph/crp/livestock-phase1.html) – A Multi-country project funded by the International Atomic Energy Agency (IAEA) 2004 – 2009.
9. **For Preparation of National Policies**
10. **Team Member**, Formulation of Overarching Agriculture Policy for Sri Lanka, Coordinated by Department of National Planning and supported by Technical Assistance to the Modernization of Agriculture Project of the European Union, 2018/2019.
11. **Team member** of the Expertise group to update the Western Province Biodiversity Profile and Conservation Action Plan (submitted) - appointed by the Western Province Ministry of Agriculture, Agrarian Development, Environment, Industries, Minor Irrigation, Culture and Art Affairs. 2014
12. **Team member** of the Expertise group to prepare the National Policy on Control of Invasive Alien Species(final draft submitted) - appointed by the Ministry of Environment and Renewable Energy, Sri Lanka 2012
13. **Team member** of the Technical Expertise Group to develop the National Climate Change Policy (2012) – appointed by the Ministry of Environment and Renewable Energy, Sri Lanka 2011
14. **Team member** of the Expertise committee to prepare National Livestock Breeding Policy: guidelines and strategies for Sri Lanka – appointed by the Ministry of Livestock and Rural Community Development, Sri Lanka 2009
15. **For Preparation of Development Proposals Successful in Attracting Foreign Funding**
16. **Coordinator:** Enriching Learning, Teaching, Assessment and English Language Skills Enhancement (ELTA-ELSE) Development Project of the Faculty of Agriculture (2019)
17. **Consultant:** Preparation of the Project Identification Format (PIF) Access to Genetic Resources & Benefit Sharing project under the National Portfolio Formulation Exercise (NPFE) for the GEF V Funding Cycle – appointed by the Ministry of Environment (2013)
18. **National Coordinator**: Preparation of the project on Development & Application of Decision Support Tool to Conserve and Sustainable Use of Genetic Diversity in Indigenous Livestock & Wild relatives under the Project Development Fund (PDF – B) for the GEF IV Funding Cycle (2005).
19. **Involvement in National Activities**
20. **National Consultant for UNDP/GEF funding** – “Strengthening Capacity to Control the Introduction and Spread of Invasive Alien Species in Sri Lanka” (contracted by the Ministry of Environment and Natural Resources and UNDP-Sri Lanka)
21. **Member -** Task Force appointed for preparation of the country proposal for UNDP/GEF funding – “Strengthening Capacity to Control the Introduction and Spread of Invasive Alien Species in Sri Lanka”. Contracted by the Ministry of Environment and Natural Resources and UNDP-Sri Lanka.
22. **Member of core consultancy team –** To prepare draft National Climate Change Policy of Sri Lanka. Contacted by the Ministry of Environment and Natural Resources of Sri Lanka.
23. **Member of Consultancy team** on government Regulations for Adapting and Mitigating to Climate Change: An analysis of the policies and programs implemented in Agriculture, livestock and fisheries sectors in Sri Lanka. Contracted by International Food Policy Research Institute.
24. **Member of Consultancy team** on National Portfolio Formulation Exercise (NPEE) for the Preparation of Project Proposal for GEF Cycle V. Report submitted to the Ministry of Environment of Sri Lanka.
25. **Member of Consultancy team –** To preparereport on status, trends, utilization and performance of Farm Animal Genetic Resources (FAnGR) in Sri Lanka. Contracted by the International Livestock Research Institute (ILRI), Nirobi, Kenya.
26. **Member of Consultancy team –** To prepare report on Capacity Building Needs for Sustainable Utilization of Farm Animal Genetic Resources at Local and National Level. Contracted by International Livestock Research Institute (ILRI), Nirobi, Kenya
27. **Member of the consultancy team -** to develop the Country Status Report on Food Security **–** Contracted by Plan - Sri Lanka
28. **Consultant** – To prepare the position paper on the Present status of animal breeding programs for Dry and Arid-zone. Prepared for the National Action Program for Combat Land Degradation in Sri Lanka, Ministry of Environment and Natural Resource, Battaramulla Sri Lanka.
29. **Consultant** – To prepare the position paper on the Integrated Palnt-Animal- Agroforestry system to control land degradation in Arid and Dry-zone of Sri Lanka. Prepared for the National Action Program for Combat Land Degradation in Sri Lanka, Ministry of Environment and Natural Resource, Battaramulla Sri Lanka.
30. **Member of the consultancy team – Animal Science Specialist,** to develop the Country Report for the state of world of Farm Animal Genetic Resources (SoW FAnGR) **–** prepared for the FAO of the United Nations
31. **Member of the consultancy team** – To prepare Western Province Biodiversity Profile and Conservation Action Plan. Contracted by Provincial Ministry Of Agriculture, Agrarian Development, Minor Irrigation, Industries, Environment, Culture and Art Affairs of Western Province, Sri Lanka.
32. **Project Development Specialist** - to develop Technical Cooperation Projects (TCPs) that are relevant to Livestock sector using the identified national priorities and gaps. Submitted to FAO of the United Nations
33. **Short-term Consultant** - To prepare a policy paper extracting ideas/suggestions from the given proceeding which have been prepared compiling the output of the workshop on dairy sector. Submitted to Smallholder Agribusiness Partnerships Program (SAPP), Ministry of Agriculture.
34. **Member of the research team -** to determine the resilient food flow networks of seven selected food commodities across 25 districts of Sri Lanka under climate and human health risks, and to identify the best food flow paths that reduce food miles, food wastage, and food prices under the research grant titled title “Conducting a City Region Food System (CRFS) Food Flow Mapping in Sri Lanka”. For the FAO of the United Nations.
35. **Member of the research team** - to have skilled institutional and stakeholder capacities to build a resilient food system in the Colombo City Region under the research grant “Data Analysis and Food Flow Mapping of Seven Commodities across 25 Administrative Districts of Sri Lanka”. For the FAO of the United Nations.

**Memberships**

Life member : - Sri Lanka Institute of Agriculture (SLIAg)

- National Agriculture Society of Sri Lanka (NASSL)

- Sri Lanka Association of Animal Production SLAAP)

- Sri Lanka Association of Advancement of Science (SLAAS)

**Books / Monographs/ Chapters of books**

1. Perera, W.N.U. and Silva G.L.L.P. (2023). The Role of Low-input Poultry Production Systems in the Face of Economic Crisis in Sri Lanka. Chapter 8. *In* D.M.S.B. Dissanayaka, Dr. A.U. Rajapaksha Dr. R.A.C.R. Ranasinghe Dr. M.K. Ahilan Mr. A.J. Herath( Ed.), Multisectoral Approaches to Accelerate Economic Transformation in the Face of Crisis in Sri Lanka. National Science and Technology Commission, Sri Lanka Young Scientists Forum (YSF), pp 123-135. YSF Thematic Publication, Chapter e-book.
2. Silva, G.L.L.P. and Dematawewa, C.M.B. (2020). Livestock and Poultry to Assure Sustainability in the Food System. In: B. Marambe, J. Weerahewa and W.S. Dandeniya (Ed.), Agricultural Research for Sustainable Food Systems in Sri Lanka; Volume 1: A ­Historical Perspective. Springer Nature Singapore Pte Ltd., pp. 303 – 332. ISBN 978-981-15-2151-5 (paper book) ISBN 978-981-15-2152-2 (eBook). <https://doi.org/10.1007/978-981-15-2152-2>.
3. Vidanarchchi, J.K., Chathuriks, H.M.M., Dias, H.M., Korale Gedara, P.M., Silva, G.L.L.P., Perera, E.R.K. and Perera, A.N.F. (2019). Dairy Industry in Sri Lanka: current status and way forward for a sustainable Industry. Joint publication of Faculty of Agriculture, University of Peradeniya and Sri Lanka Association of Animal production (SLAAP), P 1-39. https://www.researchgate.net/publication/344766340\_Dairy\_Industry\_in\_Sri\_Lanka\_Current\_Status\_and\_Way\_Forward\_for\_a\_Sustainable\_Industry
4. Ponnampalam, E.N., Bekhit, A.E.D., Bruce, H., Scollan, N.D., Muchenje, V., **Silva, P.**, Jacobs, J.L., 2019. Production Strategies and Processing Systems of Meat: Current Status and Future Outlook for Innovation – A Global Perspective. In: Galanakis, C.M. (Ed.), Sustainable Meat Production and Processing. Elsevier, Academic Press, pp. 17–44. eBook ISBN: 9780128156889, Paperback ISBN: 9780128148747
5. Pushpakumara, D.K.N.G. and **Silva, G.L.L.P.** (2018) Chapter 12: Agricultural genetic resources. In: Natural Resources in Sri Lanka. National Science Foundation of Sri Lanka, Colombo, Sri Lanka. 249-279.
6. Marambe B., **Silva P**., Athauda S. (2017). Agriculture and Rural Development under Central Government and Provincial Council Setup in Sri Lanka. In: Cooray N., Abeyratne S. (Eds) Decentralization and Development of Sri Lanka within a Unitary State. Springer, Singapore. 111-123. DOI: https://doi.org/10.1007/978-981-10-4259-1\_6, ISBN (Print) : 978-981-10-4258-4, (Online) : 978-981-10-4259-1
7. D.K.N.G. Pushpakumara, H.M.S. Heenkenda, B. Marambe, R.H.G. Ranil, B.V.R. Punyawardena, J. Weerahewa, **G.L.L.P Silva**, Danny Hunter and J. Rizvi. 2017. Kandyan home gardens; A time-tested good practice from Sri Lanka for conserving tropical fruit tree diversity, Chapter 09. In: Tropical Fruit Tree Diversity Good practices for in situ and on-farm conservation. (Ed: Edited by Bhuwon Sthapit, Hugo A.H. Lamers, V. Ramanatha Rao and Arwen Bailey).127-146.
8. **Silva, P.**, Liyanage, R.P., Senadheera, S. and Dematawewa, C.M.B. 2016. Monograph on indigenous chicken in Sri Lanka. UNEP-GEF-ILRI FAnGR Asia project, University of Peradeniya, Sri Lanka. Pp 81
9. Marambe, B., S. Wijesundara, **P. Silva**, D. Weerakoon, J. Gunawardena, S. Ranwala, L. Manawadu, N. Atapattu, A. Mallawatantri, A Silva and G. Gamage. (2015). Chapter 11: Strengthening capacity to control invasive alien plants - Sri Lankan experience. In : Weed Science for Sustainable Agriculture, Environment and Biodiversity (Eds: A.N. Rao, N.T. Yaduraju) First Edition. Asian Pacific Weed Science Society and Indian Society of Weed Science. pp.153-169
10. Marambe B, **Silva P**, Weerahewa J, Pushpakumara G, Punyawardena R and Pallawala R (2015): Enabling policies for agricultural adaptations to climate change in Sri Lanka. In: Handbook of Climate Change Adaptation (Ed: W. Leal). pp 901-927. Springer-Verlag Berlin Heidelberg (ISBN 978-3-642-38669-5).
11. Marambe B. Punyawardena R. **Silva P**. Premalal S. Rathnabharathie, V. Kekulandala, B. Nidumolu, U. and Howden, M. 2014. Climate, Climate risk and food security in Sri Lanka: need strengthening adaptation strategies. . In: Handbook of climate change adaptation. (Ed: W. Leal Filho). Springer-Verlag Birlin Heidelberg. ISBN 978-3-642-38669-5. DOI: https://doi.org/10.1007/978-3-642-38670-1\_120
12. Marambe Buddhi and **Silva Pradeepa** (2012): Sustainability Management in Agriculture - A systems Approach. Chapter 33 In: Handbook of Sustainability Management (Eds. C.N. Madu and Chua-Hua Kuei). pp 687-712. World Scientific Publishers, Singapore.ISBN: 978-981-4354-81-3 [ISBN: 978-981-4354-82-0 (ebook)].DOI: https://doi.org/10.1142/9789814354820\_0033
13. Marambe B, Pushpakumara G and **Silva P** (2012): Biodiversity and Agro-biodiversity in Sri Lanka: A case in Village Tank Systems. **In**: Biodiversity Observation Network in the Asia-Pacific Region: Towards Further Development of Monitoring (Eds: S-I Nakano, T. Yahara, and T. Nakashizuka). Springer, Japan (ISBN 978-4-431-54031-1) pp 403-430.
14. Marambe B, **Silva P**, Ranwala S, Gunawardena L, Weerakoon D, Wijesundara S, Manawadu L, Atapattu N and Kurukulasuriya M (2011): Invasive alien fauna in Sri Lanka: National list, impacts and regulatory framework. **In**: Island Invasives: Eradication and Management. (Eds: C.R. Veitch, M.N. Clout, and D.R. Towns). pp 445-450. International Union for Conservation of Nature, Gland, Switzerland.
15. **Silva P**, Jianlin H, Hanotte O, Chandrasiri and Herath HMSP (2011). Indigenous cattle in Sri Lanka: production systems and genetic diversity. In: Sustainable Improvement of Animal Production and Health. (Ed. Odongo, N.E., Garcia, M. and Viljeon, G.J.). Food and Agriculture (FAO) of the United Nations, Rome, 45-48.
16. Pushpakumara, D.K.N.G., Thattil, R.O., Marambe, B., Athauda, A.R.S.B.**, Silva, G.L.L.P**.and Weerakoon, D.(2010). Assessment of invasiveness of alien species: a framework using statistical approach (Chapter 13). In: Invasive Alien Species: Strengthening Capacity to Control, Introduction and Spread in Sri Lanka (Eds: Marambe, B., **Silva, P.,** Wijesundara, S. and Atapattu, N.). Ministry of Forestry and Environment of Sri Lanka and UNDP-Sri Lanka.
17. **Silva, P**. and Kurukulasuriya, M. (2010). Invasive Alien Fauna in Sri Lanka. (Chapter 5). In: Invasive Alien Species: Strengthening Capacity to Control, Introduction and Spread in Sri Lanka (Eds: Marambe, B., **Silva, P.,** Wijesundara, S. and Atapattu, N.). Ministry of Forestry and Environment of Sri Lanka and UNDP-Sri Lanka.
18. Gamage, D.V.S. de S., **Silva, P.** and Marambe, B. (2010). Capacity building for conservation and utilization of far animal genetic resources of Sri Lanka (Chapter 5) In: Indigenous Animal Genetic Resources of Sri Lanka – Status, potential and opportunities (Ed: **Silva, P**.). GEF-UNEP-ILRI –FAnGr Asia Project (ISBN 978-955-589-120-2).
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**Research Publications**

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3. **L.P. Silva** and C.M.B. Dematawewa. Present status of animal breeding programs for Dry and Arid-zone. Position paper in National Action Program for Combat Land Degradation in Sri Lanka, Ministry of Enviroenmenta and Natural Resource, Battaramulla Sri Lanka. pp 251-262. 2002. [www.unccd.int/actionprogrammes/asia/national/2002/sri-lanka-eng.pdf](http://www.unccd.int/actionprogrammes/asia/national/2002/sri-lanka-eng.pdf)
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**Editorial Work**

**Editor-in-chief and editorial board member of journals/ periodicals**

1. **Member of Editorial board** - Sri Lanka Journal of Food and Agriculture (2015, 2016, 2017, 2018, 2019, 2020, 2021). The official journal of Sri Lanka Council Agriculture Research and Policy.
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1. Girihagama, P., Nanayakkara, C., Gunasekara, K. and **Pradeepa Silva** (2011) (Editors). Proceedings of the first National Symposium on Agricultural Biotechnology of the National Committee on Agricultural Biotechnology, Sri Lanka Council for Agricultural Research Policy, Ministry of Agriculture. Sri Lanka (ISSN2279-2236).
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11. Policy Brief: Indigenous Livestock and Poultry for Alleviating Under-Nutrition Among women and children in Rural Farm-households of Sri Lanka. Food and Agriculture Organization (FAO). Available at <http://www.fao.org/3/ca4666en/ca4666en.pdf> - by Pradeepa Silva, Jeevika Weerahewa, Itziar Gonzalez, Maree Bouterakos and Yukitsugu Yanoma 2019.
12. Dairy Sector Policy paper - submitted to the Smallholder Agribusiness Partnerships Programme (SAPP). 2022. GLLP Silva.

**Special Presentations Made at Technical Sessions**

1. Presentation – **Pradeepa Silva** on Climate Resilience in Food Systems. Webinar organized by SLYCAN trust, 15 December 2020
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3. Presentation – **Pradeepa Silva** on Agricultural sustainability with Livestock on board. Annual Seminar of SLAOP on Food Security and Sustainable Agriculture, 3rd October 2017
4. Invited Speaker – **Pradeepa Silva** and M.S. Kurukulasuriya, Building Resilience and Adaptation to climate change in the livestock sector. Workshop on Climate Change adaptation and Disaster Risk Management in Agriculture. Asian Productivity Organization & Ministry of Agriculture, 11 - 15 September, 2017
5. Invited speech – **Pradeepa Silva** on Sustaining Sustainable Development with Livestock. 5th Research Symposium: value addition for sustainable development. Uva-Wellassa University of Sri Lanka, 29-30 January, 2015.
6. Presentation - Pushpakumara D.K.N.G., Marambe B., Weerahewa J., **Silva G.L.L.P.**, Premakantha K.T. and Punyawardena B.V.R. (2014): Homegarden agroforestry for socio-economic, ecological and environmental sustainability in Sri Lanka. World Congress on Agroforestry. 10-14 February. Delhi, India.
7. Guest speech – **Pradeepa Silva** on ‘Known and Unknowns of Indigenous Livestock Genetic Resources in Sri Lanka’. Consultative Meeting on Farm Animal Genetic Resources Evaluation, Conservation and Management in SAARC Countries, September 05-06, 2013
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2. **Silva, L.P**. and Himali, S.M.C. Duck Management (Part 1 and 2), ‘Aruna’, Ministry of Agriculture and Livestock, April, 2003.
3. **Silva, L.P**. 2003. Role of Livestock in Poverty Alleviation, Proceedings of the technical session of Sri Lanka Association of Animal Production, 2003
4. Pushpakumara, D.K.N.G. and **Silva, L.P**. Biodiversity and Food Safety. ‘Vidusara’, April, 2004 & ‘Soba’ environment Magazine, May/June, 2004.
5. Marambe, B. Perera, K. and **Silva P.** The way forward for the national dairy industry. ‘Divayina’, December 2008.

**On-going Research:**

1. Conservation and sustainable utilization of Farm Animal Genetic resources with special reference to indigenous farm animals
2. Evaluation of genetic variability to parasitic resistance of indigenous small ruminants
3. Evaluation of indigenous animal farming systems in bringing resilience to climate change
4. Climate resilience and biodiversity of Homegarden ecosystems.
5. Food flow mapping in different food systems

**Awards Received:**

**Undergraduate awards:**

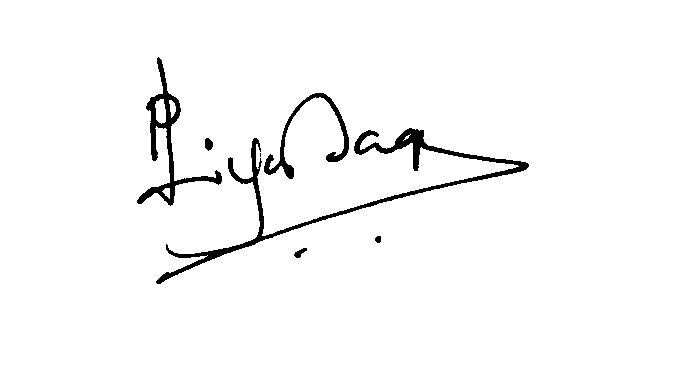
1. Kundanmal’s Scholarship for Agriculture. For the meritorious performance at the 1st examination in Agriculture.
2. Prof. R.R. Appadurai Memorial Scholarship. For the meritorious performance in occurring the best average mark at the second examination in Agriculture.

**Postgraduate awards:**

1. Food and Agriculture Organization Fellowship to complete postgraduate degree.
2. Best presentation of the session at the 8th annual congress of Postgraduate Institute of Agriculture.

**Professional/ Research awards:**

1. Fulbright Senior Research Fellowship, from January to December 2007 on Diversity analysis of indigenous chicken in Sri Lanka.
2. Short-term training fellowship on Curriculum Development – World Bank funded project on Improving Relevance and Quality of Undergraduate Education (IRQUE)
3. Visiting Scholarship at the University of Tasmania, Australia. 2015
4. Presidential awards/ National Research Committee awards for highly rated scientific publications in the years 2008, 2009, 2010 and 2015.



**G.L.L. Pradeepa Silva**