

Curriculum Vitae – S. P. Nissanka

NAME IN FULL: Nissanka Arachchi Appuhamilage Sarath Premalal Nissanka
SEX: Male
NATIONALITY: Sri Lankan
NATIONAL ID Number: 591760297 V



EDUCATIONAL QUALIFICATIONS:

- B.Sc. (Agriculture) Honors with Second Class Upper Division (1986), University of Peradeniya, Sri Lanka.
- M.Sc. (Crop Physiology) Specialized stress physiology and in crop-weed interactions. 1992. University of Guelph, Guelph, Ontario, Canada
- Ph.D. (Crop Physiology) Specialized in impact of different stress conditions on physiological responses at canopy level and yield of maize varieties 1996. University of Guelph, Guelph, Ontario, Canada.

PROFESSION:

- Professor in Crop Science (from 2014 to date)
- Senior Lecturer in Agronomy and Agroforestry (February 1996 to October 2014)
Department of Crop Science, Faculty of Agriculture, University of Peradeniya, Sri Lanka

PROFESSIONAL EXPERIENCE:

Teaching:

BSc. (Ag Tec & Mgt) degree at the Faculty of Agriculture, University of Peradeniya

Lecturer in courses of: Principles of Crop Production (CS 1201), Plantation Crop Production II (CS 2201), Principles of Forestry (CS 3103), Management of Rubber, Coconut & Export Agricultural Crops (CS 3202), Agroforestry Systems (CS 3203), Crop Physiology (CS 3208), Organic Crop Production Systems* (CS 3210), Forest Management (CS 4102), Crop Environment Interaction (CS 4107), Rice Production Technology (CS4111), Advanced Field Crop Production (CS 4112), and Urban Agriculture* (CS 4113)*

*(*serving as the course coordinator at present)*

Supervision of undergraduate research projects (CS 4200) (Supervised about 90 research projects from 1996 to 2019 as the main supervisor).

MSc., MPhil and PhD programs at the Postgraduate Institute of Agriculture (PGIA), University of Peradeniya

- *Lecturer in courses of: Forest ecology* (CS 5110); Forest influence on soil, water and Climate* (CS 5113), Ecological interactions of tree crop (CS 5215)*; Urban forestry and arboriculture* (CS 5216), Organic crop production* (CS 5208); Yield physiology of plantation crops* (CS 5139); Crop physiology (CS 5105), Climate change adaptation, mitigation and carbon trading (CS 51053), Ecological Interactions of trees and crops* (5215, Disaster risk reduction through ecological approaches (CS 5143).*

*(*serving as the course coordinator at present)*

- *Supervision of research projects: Completed 32 M.Sc. (Directed studies), 8 M.Phil and 5 Ph.D. (there are four Ph.D. studies are continuing)*

In Foreign Universities

- *Teaching Assistant in Plant Physiology and Physiology of Crop Yield (1992-95), Department of Plant and Agriculture, University of Guelph, Ontario, Canada*
- *Senior Visiting Fellow (Jan 2004 - Aug 2004)
University Technology Sydney, Australia
University of Western Sydney, Australia*
- *Visiting Lecturer (Summer, 2006)
Department of Earth Science
University of Gothenburg, Sweden.*

CURRENT POSITIONS/CO ORDINATIONS/MEMBERSHIPS

- **Member**, Research Arm of the National Science Foundation of Sri Lanka
- **General Secretary**, Sri Lanka Institute of Agriculture (SLIAG) (2020 - to date)
- **Member**, Technical Evaluation Panel of the Research Division, National Science Foundation, Sri Lanka (from 2022)
- **Member**, Executive Committee of the South Asian Chapter of the International Nitrogen Management Systems (INMS)
- **Member**, South Asian Nitrogen Hub (SANH)
- **Member**, International Nitrogen Initiatives (INI)
- **Executive Committee Member** of the National Steering Committee of the Climate Change Mitigation, Ministry of Environment and Renewable Energy (2010-todate), Ministry of Environment
- **Executive Committee Member** of the Alumni Association of the University of Peradeniya
- **Senior Treasurer** of the Forest Society of the Faculty of Agriculture (1996-2004, 2017-todate), University of Peradeniya

POSITIONS HELD IN THE RECENT PAST

In the University of Peradeniya

- **Executive Committee Member** of the National Forestry Sector Research Committee of Sri Lanka (1998 to 2022)., and the REDD+ readiness MRV committee (2012- 2018) , Forest Department, Ministry of Environment.
- **Member**, Senate Research Committee, University of Peradeniya (2018-2021)
- **Member**, Boards of Study of Crop Science, Postgraduate Institute of Agriculture (PGIA), University of Peradeniya (2018 to date)
- **Member** of the committee of developing strategies for the Tea sector in Sri Lanka, Plantation Ministry.

- **Coordinator** of the MSc. Program of Environmental Forestry, PGIA, University of Peradeniya
- **Vice President** of the Alumni Association of the Faculty of Agriculture, University of Peradeniya
- **Member of the Governing Council** of the University of Peradeniya (February 2018 to February 2021)
- **Director**, Centre for Environmental Studies (CES), University of Peradeniya (from March 2014 to till 2021)
Responsible for conducting training, research and consultancy works in environment related disciplines in collaboration with key stakeholders' organization
- **Chairman** of the Research Committee of Faculty of Agriculture and the Representative to the Senate Research Committee (2018-2021)
- **Chairman** of the of the Landscape Advisory Committee to the Council of the University of Peradeniya (from 2009-2021)
Provide advisory service to maintain landscaping of the university while maintaining the university traditional architecture and the natural beauty.
- **Lecturer In-Charge** of the Dodangolla Experimental Station of the University of Peradeniya (From Jan 2014 till end of 2019)
Provide advisory and supervision service of 200 acre farm where agriculture related research, training and production activities are carried out
- **Administrative Lead** (from 2012 -2018) of the AgMIP-Sri Lanka Global project on modeling the impacts of a variable and changing climate on Agricultural Systems - Agricultural Model Intercomparison and Improvement Project (AgMIP) in Sub-Saharan Africa and South Asia”.
- **President**, National Agricultural Society of Sri Lanka. (2009 to date)
- **Head**, Department of Crop Science, Faculty of Agriculture, University of Peradeniya. (September 2006 – September 2009)
- **Member** of the Board of Discipline, University of Peradeniya (May 2008 - May 2011)
- **Warden** of the Sir Ivor Jennings Student Residence Hall (July 2007 – Dec 2011) where student resident capacity of 530 students
- **Senior Student Counselor**, Faculty of Agriculture, University of Peradeniya (1997, 1998, 2003, 2006 and 2008)
- **Secretary** (2007 & 2008) , Treasurer (2000-2003), Agriculture Faculty Alumni Association
- **Acting Curator** of the Landscape Department, University of Peradeniya (1998 to 2002)
- **Congress Coordinator** of the 12th Annual Congress in 2000 of the Postgraduate Institute of Agriculture, University of Peradeniya
- **Secretary** (2003) and **Vice President** (2005-2008), Executive Committee Member (2014-to date), Peradeniya University Agriculture Teachers Association (PUATA)
- **Secretary** (1996-1998), **Joint Secretary** (1998-2001) of the National Multipurpose Tree Species Research Network (MPTS)

- **Member** (2001-2003, and 2018- to date), **Secretary** (2004-2007), **Chairman** (2007-2010) of the Boards of Study in Crop Science of the Postgraduate Institute of Agriculture (PGIA), University of Peradeniya
- **Member** (2005), Board of Study in Agricultural Economics of Postgraduate Institute of Agriculture
- **Program Coordinator** of the M.Sc. in Natural Resource Management (NRM) (1998-2003 and 2006-2008), Postgraduate Institute of Agriculture, University of Peradeniya.
- **Program Coordinator** of the M.Sc. in Agroforestry (1998-2000), Postgraduate Institute of Agriculture, University of Peradeniya.
- **Program Coordinator** of the M.Sc. in Environmental Forestry (2002-2003, and 2018 to date), Postgraduate Institute of Agriculture, University of Peradeniya.
- **Program Coordinator** of the M.Sc. in Crop Science (2005-2007), Postgraduate Institute of Agriculture, University of Peradeniya.
- **Program Coordinator** of the MSc. program of Plantation Crop Production, Postgraduate Institute, University of Peradeniya (2012)
- **Advisor**, University Explorer's Club, University of Peradeniya. 2001-2003.
- **Senior Treasurer** of the Forest Society of the Faculty of Agriculture, University of Peradeniya (from 1995-2000 and 2017 to date).

In addition to the above mentioned positions, I served/am serving several years in the Faculty Sub Committees as a member/secretary/chairman of Student Welfare and Advisory Committee (SWAC), Research and Development Committee, Faculty Master Plan Committee, Curriculum Development Committee (CDC), Publication Committee and other special Committees (Faculty/University) of Exhibition logistic and fund raising, Faculty of Agriculture Undergraduate Research Session (FAuRS), International Peradeniya University Research session (iPurse), General Convocation, PGIA Congress etc.

Outside of the University of Peradeniya

- **Vice President** of the Sri Lanka Institute of Agriculture (2020 -2021)
- **Technical Advisor** to the UNDP-GEF-SGP Projects on Climate change (drought, flood, land degradation, salinity, and coastal erosion) community based adaptation & mitigation, and biodiversity conservation (2009 - 2018) and on REDD+ related community based CBR+ adaptation and mitigation projects (2015 - 2018).
- **Executive Committee Member** of the National Advisory Committee on Organic Sector of the Sri Lanka Export Development Board (from January 2013 -2016)
- **Research Team Collaborator** of the Nano-Technology Institute of Sri Lanka (2013 – 2015)
- **Research Collaborator** of the Monsanto Maize Modeling team, USA (2013)
- **Chairman** of the National Advisory Committee of Organic Agriculture, Plantation Forestry and Agroforestry (2010 to 2014) of the Council for Agriculture Research Policy (CARP) of Sri Lanka, Ministry of Agriculture.

- **National Consultant** for the Development of UNDP-GEF 6- SGP for Sri Lanka (2017-2019)
- **Member** of the policy formulation national committees of the Climate Change (CC) and Clean Development Mechanism (CDM) of the Ministry of Environment and Renewable Energy (2010-2012)
- **Senior Visiting Research Fellow** at both the University Technology Sydney (UTS) & University of Western Sydney (UWS), Australia. 2003-2004.
- **Consultant** to the World-Bank on LULUCF of CDM (2006 - 2009) Development of Guide book to assist CDM project development, aware potential project proponents on CDM projects and develop CDM project pipeline
- **Scientific Advisor** of the Australian (Bio Ag. Pvt. Ltd) and University of Peradeniya nutrient dynamic project (2010 to date)

SPECIAL TRAINING.

- Climate change and crop modeling (ICRISAT-India, 2012, 2013)
- Antioxidant analysis techniques (ITI-2013)
- IPCC-LULUCF guidelines (Sri Lanka, 2012)
- Potential climate change, adaptation and mitigation and CDM opportunities (Japan, 2011)
- Clean Development Mechanisms (CDM) and CER trading potential (Sri Lanka, 2010)
- Urban greening of cities, urban forestry (Thailand, 2003)
- International postgraduate course in Crop Weather Modeling: Israel- 2003 (The World Meteorological Organization Geneva, Switzerland and Ministry of Foreign Affairs, Center for International Cooperation, Jerusalem, Israel)
- Environmental Impact Assessment (EIA), Sri Lanka
Ministry of Environment and Natural Resources and University of Peradeniya – 2002)
- Techniques used in herbicide resistance development studies (Israel -2001)
(Herbicide physiology unit of Professor B. Rubin, Faculty of Agriculture, Food and Environmental Science, University of Jerusalem, Rehovot, Israel)
- Organic farming and bio-dynamics, Sri Lanka (Sri Lanka Canada Foundation - 2000)
- Participatory rural appraisal techniques use for forest conservation (Sri Lanka-1997)
(The Forest Department and the Asia Pacific Agroforestry Network)
- Principles and practice of counseling for university students, Sri Lanka
(University of Peradeniya – 1997)

PROFESSIONAL AFFILIATIONS.

Member

- South Asian Nitrogen Hub (SANH)
- International Nitrogen Management System (INMS)
- Sri Lanka Institute of Agriculture (SLIAg)
- AgMIP Network
- International Allelopathy Society
- World Association of Soil and Water Conservation
- National Agricultural Society of Sri Lanka
- Soil Science Society of Sri Lanka
- Sri Lanka Association for the Advancement of Science
- Applied Statistical Association of Sri Lanka

- Alumni Association of the Faculty of Agriculture
- Alumni Association of the University of Peradeniya
- Lanka Organic Agriculture Movement
- American Society of Agronomy (1990 – 1995)
- American Society of Crop Science (1990-1995)
- Canadian Society of Plant Science (1990-1995)

PROFESSIONAL AWARDS:

- Five Presidential Awards (Sri Lanka) for Scientific Publications (2004, 2005, 2008, 2012, 2015)
- National Research Council Merit Award for research publication (2013 and 2017)
- Country’s best e-Content Applications in the category “e-Learning and Education” at the “e-Swabhimani 2010” (one of the Contributor)
- Third (3th) place in the “Private Sector Initiative of the Year” in the category “eAgriculture’ at the “eIndia Citizen Choice Award 2010’ (one of the leading Contributor)
- Dr. John Bandeen Memorial Scholarship at University of Guelph, Canada (1994)
(for the best course aggregate among the postgraduate students)
- University of Guelph Graduate Scholarship in Canada. 1993
(for the best course aggregate among the postgraduate students)
- Commonwealth Scholarship to Canada for postgraduate studies (1990 to 1995)

PROFESSIONAL FELLOWSHIPS:

- Professional Fellow of the “Sri Lanka Institute of Agriculture (FSLIAG/035)” (From 2019)
- Fellow of the National Academy Science of Sri Lanka (From January, 2023)

RESEARCH CONTRIBUTION

I am a recipient of the following competitive research grants as the Principal Investigator/ Collaborating Scientists from national and international funding sources.

a) National funding sources;

1. **Collaborating Scientists:** University of Peradeniya Research grant on “Effect of pioneer species on improvement of degraded soils” – 1997 -2000 (RG/97/64/AG).
▪ Total Budget Rs. 119,300.00
2. **Collaborating Scientists:** University of Peradeniya Research grant on “Impact of rice leaf folder attack on leaf photosynthesis, respiration and yield” – 1998-2000 (RG/98/2/AG)
▪ Total budget: Rs. 30, 890.00
3. **Principal Investigator:** University of Peradeniya Research grant on “Biodiversity and soil properties of Kandyan homegardens established in different land settlements schemes in the mid-country of Sri Lanka: 1998-2000
▪ Total budget: Rs 35,650.00
4. **Principal Investigator:** University of Peradeniya Research grant on “Study of growth and production potentials of native pioneer tree species in Sri Lanka: 2000-2002 (RG/2000/11/AG)
▪ Total budget: Rs 40,000.00

5. **Principal Investigator:** National Science Foundation of Sri Lanka grant on “Influence of whole and subsoil salinity on growth, development and biochemical and physiological properties of rice; and mitigation of salinity by managing irrigation and fertilization” : 2005 -2012 (RG/2005/AG/05)
 - Total budget: Rs 1,549,500.00
6. **Collaborating Scientists:** National Science Foundation Of Sri Lanka grant on “Identification of means and methods to enhance the productivity (economical yield and the quality) of gherkins grown inside green houses” : 2006 (RG/2006/IND/02)
 - Total budget: Rs 2,208,600.00
7. **Principal Investigator:** Grant from H.J.S. Condiments Limited on “Screening of exotic vegetable under Sri Lankan condition”: 2008-2009
 - Total budget: Rs. 150,000.00
8. **Principal Investigator:** Grant from Ministry of Environment and Natural Resources on “Investigating climate change trends in different Agro-Ecological regions of Sri Lanka. 2009.
 - (FC Memo 292.26)
 - Total budget: Rs 350,000.00
9. **Principal investigator:** Grant from National Research Council of Sri Lanka on “Estimate carbon sequestration of selected natural vegetation and plantation forests, assess production and physiological variations of potential native and exotic tree species and develop carbon prediction models”: 2010- 2015 (08-43)
 - Total Budget: Rs 8,100,000.00
10. **Collaborating Scientist:** Grant from NRC, Sri Lanka on “Ensuring food security through developing climate smart crop varieties and cultivation techniques in Sri Lanka – (NRC project of DOA). 2015 – 2018.
 - Total budget: Rs 50,000000.00

b) International funding sources;

1. **Principal Investigator:** International Atomic Energy Agency (IAEA; Vienna) grant on “Evaluation of agroforestry systems for sustainable crop production through integrated nutrient and water management : 1998 -2005 (302-D1-SRL-10411)
 - Total budget: US \$ 35,000.00
2. **Collaborating Scientists:** Swedish Energy Agency grant on “Recovery and protection of coastal ecosystems after tsunami event and potential for participatory forestry CDM”:2006-2009.
 - Total budget; Swedish Kroner kr 4627025.00
3. **Collaborating Scientists:** Grant from Canadian International Development Agency (CIDA) and International Development Research Council of Canada (IDRC) on “Urban Greening (Improving livelihoods of urban poor and outcome mapping). 2003-2006
 - Total Budget: CAD \$ 342,000.00
4. **Principal Investigator:** Grant from BioAg, Australia on “Nutrient dynamic study on major crops”: 2010-2012
 - Total budget: Rs 744,999.00
5. **Collaborating Scientist:** Grant from Swedish Energy Agency on “REDD+ readiness implications for Sri Lanka in terms of reducing deforestation” 2009-2012
 - Total budget; Swedish Kroner kr 6,776,000.00
6. **Collaborating Scientist:** Grant from Swedish Energy Agency on “Forest cover change in Sri Lanka – the role of small-scale farmers”: 2012 -2014.
 - Total budget; Swedish Kroner kr 11,315,000.00
7. **Collaborating Scientist:** Grant from CGIAR Climate change, agriculture and food security (CCAFS) on “Development, evaluation and application of a toolkit for regional crop yield forecasting and climate change impacts assessment for Sri Lanka”: 2013 – 2016

- Total budget: US \$ 89,300.
8. **Administrative Lead and Principal Investigator:** Grant from DFID, NASA and University of Columbia, USA of “AgMIP- Model (DSSAT and APSIM) inter-comparison and simulation of rice yield for five GCM scenarios for mid-century” collaborative project with Universities of Ruhuna, Rajarata and Sabaragamuwa and Foundation for Environment, Climate and Technology (FECT). 2012 – 2016.
 - Total budget: US \$ 466,495.00
 9. **Principle Investigator:** Grant from ETH-Sweden on Integrated nutrient management for sustained tuber production in water Yam (*Dioscoreaalata*). 2014- 2019.
 - Total budget: Equivalent of Rs. 8,713,225.00.
 10. **Collaborative Scientist:** Grant from APN on “Climate smart agriculture through sustainable water use management: Exploring new approaches and devising strategies for climate change adaptation in South Asia. 2015-2019
 - Total budget: US \$ 89,000.00
 11. **Co-Instigators** of the GCRF funder project and the **Administrative Lead and the Principal Investigator** of the Sri Lanka project component of the regional project of South Asian Nitrogen Hub project on “Sustainable use of nitrogen with higher efficiency & less waste contributes to multiple Sustainable Development Goals”. 2019-2024.
 - Total budget: Approximately 19.5 million sterling pounds (Sri Lanka component of GBP 378,000.00)
 12. **Principal Investigator:** Grant from the UKRI/GCRF/SANH on Status of Atmospheric Reactive Nitrogen Species (Ammonia) and its impacts on lichen diversity and the Potential Use of Lichens as indicators of forest ecosystem health. 2020-2024.
 - Total budget: GBP 90000.00
 14. **Co-Investigator:** Grant from APN on “Greenhouse gas emissions from paddy ecosystems (GREPEC): Critical windows of water and gas diffusivity (CRRP2020-07MY-Deepagoda)”. 2020-2023.
 - Total budget: US\$ 71,355.00
 15. **Co-Investigator:** Grant from United Nations University – IAS on “Impacts of pollution on tropical montane and temperate forests of South Asia: Preliminary studies by post graduates 2021-2022”. Total budget for Sri Lanka project component:
 - Total budget: US\$ 12,500.00
 16. **Co-Investigator:** Grant from Swiss National Foundation on “Can organic farming practices increase nitrogen (N) use efficiency and decrease N losses in mature tea (*Camellia sinensis* L. (O.) Kuntze) plantations in Sri Lanka? ” 2022-2025
 - Total budget: CHF 499,997

ONGOING RESEARCH PROJECTS

- Mapping of Urban Heat Island of major cities and use of bio indicators (Lichens) assess the pollution level
- Nitrogen use efficiency improvement of farming systems
- Carbon sequestration potential of forest ecosystems (natural/plantation) and selected forest tree species (National Research Council-Sri Lanka)
- Enhance fertilizer use efficiency of major crops (in collaboration with Nano Technology Institute-Sri Lanka)

- Climate change and crop yield forecasting (Rice and Sugarcane) (University of Colombia, NASA and DIFID-UK)
- Nutrient dynamic and fertilizer use efficiency (Bio-Ag Pvt Ltd – Australia)
- Carbon assessments of homegardens, and chena lands (University of Gothenburg- Sweden)
- Nutrient dynamics of Agroforestry systems (University of Gothenburg- Sweden)
- Screening rice germplasm for physiological and anatomical variations (in collaboration with University of Queensland-Australia)
- Integrated nutrient management for sustained tuber production in water Yam (*Dioscorea alata*) – (in collaboration with University of ETH- Switzerland)
- Ensuring food security through developing climate smart crop varieties and cultivation techniques in Sri Lanka – (NRC project of DOA)

SUPERVISION OF POSTGRADUATE DEGREES

I have supervised 6 Ph.D., 8 M.Phil. and about 33 M.Sc. Students. (Currently, four PhD, 4 MPhil, 5 MSc. Students are conducting their research under my supervision)

RESEARCH EXCELLENCE AWARDS

- **Annual Research Excellence Award** for Outstanding Research in the Year 2020
- **TIER4* Research Award** (for excellent research contribution based on the transparent research performance scheme stipulated in the UGC Circular 05/2018)

RESEARCH PUBLICATIONS AND PRESENTATIONS

Citation of my research works by others is 1513 at 19th January 2023 with h-index of 19 and i10-index of 32 in Google Scholar). For more details, please see Google Scholar Sarath P. Nissanka.

A. Thesis

1. Nissanka, S.P. 1986. "Allelopathic effect of Eucalyptus on Mungbean." A dissertation submitted in partial fulfillment of the B.Sc. Agriculture Degree, University of Peradeniya, Peradeniya Sri Lanka.
2. Nissanka, S.P. 1992. "Effect of varieties, nitrogen and weed stress on the productive of corn" M.Sc. Thesis, University of Guelph, Ontario, Canada.
3. Nissanka, S.P. 1996. "Response of old vs. new maize hybrids to nitrogen, weed and moisture stress" Ph.D. Thesis, University of Guelph, Ontario, Canada

B. Books/Book Chapters/Technical Reports/Editorial Works

1. Nissanka, S.P. 2000. Tropical Agriculture Research Journal. (Editor) Postgraduate Institute of Agriculture, Univ. of Peradeniya. pp 478.
2. Gunasena, H.P.M., U.R. Sangakkara, R.O. Thattil, B. Marambe, S.P. Nissanka, and H.M.G. Hitinayaka. 1999. Agroforestry Research in Sri Lanka. Oxford Forestry Institute Forestry Research Link. Univ. Peradeniya

3. Nissanka, S.P., and R.B. Mapa. 2005. Present status of forest cover and management of forest soils in the intermediate zone. p:216-223. *In* . Soils of the Intermediate Zone of Sri Lanka: Morphology, Characterization and Classification. (EDS) R.B. Mapa, A.R. Dassanayake and H.B. Nayakekorala. Soil Science Society of Sri Lanka. ISBN: 955-8124-03-6.
4. Batagoda, B.M.S., S.P. Nissanka, S.L.J. Wijeyekoon and A. Jayathilake, 2008. Technical guide to actions on global warming and clean development mechanism (CDM) in Sri Lanka. Ministry of Environment and Natural Resources, Rajamalwatta Road, Battaramulla, Sri Lanka.
5. Nissanka, S.P. and U.R. Sangakkara, 2008. Nutrient cycling, soil properties and physiological and yield responses in a *Gliricidia*-maize alley cropping system in the mid-country intermediate zone of Sri Lanka. TECDOC-1606. 127-142.
6. Nissanka, S.P. and U.R. Sangakkara, 2008. Soil N enrichment using biomass of *Gliricidia sepum* injected with labeled ¹⁵N fertilizers and subsequent recovery by *Zea mays* in an alley cropping systems. TECDOC-1606. 117-126
7. Nissanka, S.P. and U.R. Sangakkara. 2009. Proceeding of the “Global Climate change and its impacts on agriculture, forestry and water in the tropics”. ISBN: 978-955-41224-1
8. Nissanka, S.P., H.S.K. Fernando and R.B. Mapa. 2010. Natural vegetation types in dry zone of Sri Lanka and their characteristics. pp. 300-316. *In*. Soils of the Dry Zone of Sri Lanka: Morphology, Characterization and Classification. (EDS) R.B. Mapa, S. Somasiri, and A.R. Dassanayake.. Survodaya Vishva Lekha. ISBN: 9978-955-8124-11-6.
9. Nissanka, S.P., B.V.R. Punyawardana, R.O. Thattil and S. Premalal. 2013. Report on “Investigation of climate change trends in different agro-climatic regions of Sri Lanka” submitted to the Ministry of Environment and Natural Resources, Sri Lanka
10. Sajanee Gunadasa, Priyantha Yapa and Sarath Nissanka (ED). Soil pollution and forest dieback. 2014. LAMBERT Academic Publishing. ISBN: 10: 3659500607, ISBN: 13: 978-3659500602.
11. Mcdermid, S.P., Guntuku Dileepkumar, K M Dakshina Murthy, S Nedumaran, Piara Singh, Chukka Srinivasa, B Gangwar, N Subash, Ashfaq Ahmad, Lareef Zubair, S P Nissanka. 2015. Integrated Assessments of the Impact of Climate Change on Agriculture: An Overview of AgMIP Regional Research in South Asia. Pp 201-218. in: C. Rosenzweig, and D.H. (Ed.), Handbook of Climate Change and Agroecosystems: The Agricultural Model Intercomparison and Improvement Project (AgMIP), Part 2. ICP Series on Climate Change Impacts, Adaptation, and Mitigation Vol. 3. Imperial College Press, pp. 201-218. doi:10.1142/9781783265640_0022
12. Zubair, L., Nissanka, S.P., Weerakoon, W.M.W., Herath, D.I., Karunaratne, A.S., Prabodha, A.S.M., Agalawatte, M.B., Herath, R.M., Yahiya, S.Z., Punyawardene, B.V.R., Vishwanathan, J., Delpitiya, P., Wijekoon, A.E.N., Gunaratna, J., Chandasekana, S.S.K., Wickramagamage, P., Weerasinghe, K.D.N., Navaratne, C.M., Perera, R.S., Gunesekara, A.I., Kumara, G.M.P., Wallach, D., Valdivia, R.O., McDermid, S.P., 2015. Climate change impacts on rice farming systems in northwestern Sri Lanka, in: C. Rosenzweig, and D.H. (Ed.), Handbook of Climate Change and Agroecosystems: The Agricultural Model Intercomparison and Improvement Project (AgMIP), Part 2. ICP Series on Climate Change Impacts, Adaptation, and Mitigation Vol. 3. Imperial College Press, pp. 315–352. doi:10.1142/9781783265640_0022.
13. Nalaka Geekiyanage, Raghu Bir Bista, Sarath Nissanka, and Sacchidananda Mukherjee . 2015 State of Land Use, Land Use Change and Forestry in South Asia (Chapter 1). *In*. Mark P. McHenry, Surendra N. Kulshreshtha, and Silvia Lac (Eds). Land Use, Land-Use Change and Forestry. Nova Science Publishers.
14. Nissanka. S.P. 2019. Editor in Chief of the Proceedings of the Faculty of Agriculture Undergraduate Research Symposium – 2019. ISSN: 2420 7683.

15. Weerakkody, W.A.P., L.D.B. Suriyagoda, S.M.M.R. Mawalagedara, S.P. Nissanka. 2016. Proceedings of the South Asian Symposium on Sustainable Environment Management. University of Peradeniya, 17-18 March, 2016. Centre for Environmental Studies, University of Peradeniya, Sri Lanka. ISBN 955-98386-3-0.
16. Nissanka, S.P. 2017. Editor in Chief of the National Research Priorities in Organic Agriculture. 2017-2021. Sri Lanka Council for Agricultural Research Policy, Ministry of Agriculture.
17. Buddhi Marambe, and S. P. Nissanka. 2019. Sri Lanka Status Report on Sustainable Nitrogen Management. ISBN: 978-955-8395-40-0.
18. Nissanka. S.P. 2019. Editor in Chief of the Proceedings of the Peradeniya University International Research Sessions-2019. Vol. 22. ISBN: 978-955-589-282-7, ISSN: 1391-4111.
19. Wijesinghe, M.R., K.D.K.P. Kumari, G.D.K. Kumara, D.H.B.R. Dassanayake, S.P. Nissanka, C.K. Beneragama, K.W.L.K. Weerasinghe, N. Geekiyanage, M.D.P. Kumarathunga, H.I.U. Galdera, W.M.T.P. Ariyaratne, D.M.S.B. Dissanayake, B. Marambe, A.J. Mohotti, K.M. Mohotti, R. Wimalasekara, K.P. Waidyarathne, S.A.C.N. Perera, N.W.B.A.L. Udayanga, M.M. Najim, and N. Gunathilaka. 2020. Adapting to Climate Change: A Sri Lankan perspectives. The Institute of Biology of Sri Lanka. ISBN:b 978-955-8476-09-3.
20. Nissanka, S.P., C.K. Beneragama, and D.K.N.G. Pushpakumara. 2022. Agriculture in Urban and Peri-urban Agriculture (Chapter 11). In. Ranjith Senaratne. The Future of the Agriculture and the Agriculture of the Future. ISBN: 978-624-98063-0-6.
21. Nissanka S.P. 2022. Agronomy and Environment in Oil Palm Cultivation. 2022. (Pp 25-36). In. Solidaridad. Myths and Truths of Oil Palm: A study on impacts and opportunities of Sustainable Oil Palm cultivation in Sri Lanka.
22. Nissanka S.P. Anuradha Jayaweera, Anastasia L. Yang. 2022. National Nitrogen Policy Report- Sri Lanka. South Asian Nitrogen Hub.
23. Nissanka S.P. and Nalaka Geekiyanage. 2022. Natural Ecosystems in North East region of Sri Lanka and their status (Chapter). Ed., R.B. Mapa. Soils of the Northern region of Sri Lanka.: Morphology, Characterization and Classification. Special Publication No 15. Soil Science Society of Sri Lanka.

Journal that publishes at least two issues or more per year

1. Tollenaar, M., S.P. Nissanka, A. Aguilera, S.F. Weise, and C.J. Swanton. 1994. Effect of Weed Interference and Soil Nitrogen on Four Maize Hybrids. *Agron. J.* 86(4): 596-601.
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