

DR. SUDHARMA KUMARI YATIGAMMANA (Nee: MAKULOLUWA)

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PERSONAL DETAILS

Name in Full: Sudharma Kumari Yatigammana (nee: Makuloluwa)
Current Position: Professor in Zoology
Private Address: 311/38, River Place Gardens, Waratenna, Halloluwa, Sri Lanka
Official Address: Department of Zoology, Faculty of Science, University of Peradeniya,
Peradeniya, Sri Lanka

EDUCATIONAL QUALIFICATIONS

Doctor of Philosophy, 2004. Department of Biology, Queen's University, Kingston, Ontario, Canada. Thesis title: Development and applications of paleoecological Approaches to study the impacts of anthropogenic activities on lakes and reservoirs in Sri Lanka. **Supervisor: Brian F. Cumming**

M.Sc. (Environmental Science), 1998. Postgraduate Institute of science, University of Peradeniya, Peradeniya, Sri Lanka. Thesis title: Biological aspects of the development of some selected soil profiles in the Central Highlands of Sri Lanka.
Supervisor: Kapila Dahanayake

Bachelor of Science (Zoology Special), 1994. First Class Honors, University of Peradeniya, Peradeniya, Sri Lanka. Title of the final year project report: Avifaunal diversity in the Hanthana Range, Sri Lanka. **Supervisor: Charles Santiapillai**

SCHOLARSHIPS, AWARDS AND FELLOWSHIPS

2012: **Invitation Fellowship for research in Japan**, awarded by the Japan Society for the Promotion of Science (JSPS)

2004: **Dean's Award for academically exceptional student** (Queen's University, Kingston Canada)

1999-2004 : **Commonwealth Scholarship** offered by the Government of Canada

1994: **University Scholarship for Meritorious Performance at the final examinations**
(University of Peradeniya)

Membership of Professional Societies

Life member of Canadian Limnologists Association

EMPLOYMENT BACKGROUND

1. Academic positions held at the University of Peradeniya, Sri Lanka

30.03.2017- to date	Professor in Zoology
14. 12. 2012 -29 .03.2017	Senior Lecturer – Grade I
28. 10. 2004 – 14.12.2012	Senior Lecturer Grade II
28. 10. 1995 – 28.10.2004	Lecturer (Probationary)
10. 06. 1994 – 31.12.1995	Assistant Lecturer (Temporary)
21. 02. 1994 –10.06.1994	Demonstrator (Temporary)

2. Consultations Provided

2007- Consultant, Environmental Impact Assessment of the Kalu Ganga reservoir and Agricultural Extension Project.

2014- Consultant, Greater Rathnapura Water Supply Project.

2007 -Consultant, Study on Floral species to be established on different soil categories in soil erosion mitigation works in disturbed drainage canals in Walawe Left Bank project area.

2013-2015 Consultant, Water quality and algal analysis of Ibbankatuwa Reservoir, VA, TECH, WABAG Limited, India.

2011- Consultant, Globally Important Agricultural Heritage Systems of Sri Lanka, Prefeasibility Project. Central Engineering Consultancy Bureau (CECB) Sri Lanka.

ADMINISTRATIVE POSITIONS/RESPONSIBILITIES HELD AT THE UNIVERSITY OF PERADENIYA, SRI LANKA

1. Major Administrative Positions Held

2016 to date	Head , Department of Zoology, University of Peradeniya, Sri Lanka.
2016 to date	Member of the Board of Management of the Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
2016 to date	Chairperson , Board of study in Zoological Sciences, Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
2017-todate	Co-coordinator, Faculty Subcommittee, B.Sc Special Degree Programme in Environmental Science offered by the Faculty of Science, University of Peradeniya, Sri Lanka.
2010 to date	Coordinator and resource person, M.Sc/Diploma in Applied Epidemiology Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
2008 to date	Coordinator and resource person, M.Sc programme on Biodiversity Ecotourism and Environment Management, Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.

- 2012 to date **Coordinator and member of the organizing committee** of the International symposium (1st -7th) “Water Quality and Human Health: Challenges ahead” Organized by the Postgraduate Institute of Science, University of Peradeniya in collaboration with the International Research Center, University of Peradeniya, Sri Lanka.
- 2018 **Chairperson**, International Conference on “Chronic Kidney Disease of Unknown Etiology: Current Aspects and Future Prospects” organized by the Faculty of Science, University of Peradeniya, Sri Lanka in collaboration with the Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
- 2017 **Coordinator and member of the organizing committee** of the Young Scientists Meeting on EFFECT OF CLIMATE CHANGE ON BIODIVERSITY Jointly Organized by the Boards of study in Zoological Sciences and Environmental Science, Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka in Collaboration with The World Academy of Science (TWAS) - Regional Office for Central & South Asia (ROCASA), Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India
- 2009 -2012 **Member of the Board of Management** of the Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
- 2009 -2012 **Chairperson**, Board of study in Zoological Sciences, Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
- 2014 -2017 **Chairperson**, Faculty Subcommittee, B.Sc Special Degree Programme in Environmental Science offered by the Faculty of Science, University of Peradeniya, Sri Lanka.
- 2011 **Coordinator and member of the organizing committee** of the International symposium on “Sustainable use of Water: Challenges Ahead” Organized by the Board of Study in Zoological Sciences, Postgraduate Institute of Science (PGIS), University of Peradeniya & National Water Supply and Drainage Board (NWSDB), Kandy in collaboration with the International Association of Ecotechnology Research and Toyama Prefectural University, Japan.
- 2010- 2011 **Coordinator**, Certificate Course on “Applied Epidemiology”. Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
- 2010 **Coordinator**, Intensive Course on “Applied Epidemiology”. Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
- 2009 **Coordinator and member of the organizing committee** of the Symposium on “Effective synergization of water resources and landscape management”. Postgraduate Institute of Science, University of Peradeniya, Sri Lanka.
- 2009 **Coordinator**, Short course on “Application of disaster management principles in emerging epidemics in Sri Lanka”. Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
- 2009 **Coordinator**, Workshop on “Rapid Response Awareness: the Risk of Avian Influenza in Sri Lanka”. Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
- 2007 **Coordinator and resource person**, Short course on “Environmental Awareness for the Public Health Inspectors”. Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
- 2005 **Coordinator and resource person**, Short course on “Reservoir Management” Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
- 2004- 2007 **Secretary, Board of Study in Zoological Sciences**, Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.

Other Positions Held

- 2010 – 2015 **Invited Limnologist**, Institute of Fundamental Studies (IFS), Kandy, Sri Lanka.

2007 to date	Board Member, Board of study in Environmental Sciences Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka
2004 to date	Board Member, Board of study in Zoological Sciences Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka
2014	Theme Coordinator, Earth and Environmental Science , PGIS research Congress, Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.
2014	Co-Chair Finances , “One Health International Conference, 2014”. University of Peradeniya, Sri Lanka in collaboration with University of California Davis, USA.
2013-2015	Senior Treasurer , Zoologist’ Association of University of Peradeniya.
2006-2008	Coordinator , proposed B.Sc Special Degree Programme in Environmental Science offered by the Faculty of Science, University of Peradeniya, SL.
2007-2009	Senior Student Counselor , University of Peradeniya, Sri Lanka.
2005-2007	Secretary, Departmental Committee , Department of Zoology, University of Peradeniya, Sri Lanka.
2006	Coordinator and resource person , Workshop on Biology Teachers (Central Province), Science Education Unit, Faculty of Science, University of Peradeniya.
2005	Coordinator and resource person , Workshop for Biology Teachers (Uva Province), Science Education Unit, Faculty of Science, University of Peradeniya.
2005	Coordinator and resource person , Short course on Conservation and Management of Reservoirs in Sri Lanka. June 6-9, 2005, Postgraduate Institute of Science (PGIS), University of Peradeniya.
1999 -2002	Teaching Assistant , Queens University, Kingston, Canada.
1989 -1990	Government English Teacher, Sri Lanka.

INVOLVEMENT IN NATIONAL DEVELOPMENT MISSIONS

2006 to date - **Chief Examiner**, Advanced Level Examination, Biology (2006,2007, 2008, 2009, 2010, 2011, 2015, 2016,2017) Ministry of Education, Sri Lanka.

Resource person in workshop on “Views of GCE (A/L) Biology new syllabus, 2 June 2011, National Institute of Education, Maharagama, Sri Lanka.

Resource person in preparation of prototype questions for G.C.E (A/L) Biology 2009. Department of Examinations, Sri Lanka.

Resource person workshop on G.C.E. (A/L) Biology for new curriculum reforms held at the National Institute of education on 12th August 2008.

Resource person in the Workshop on “Proposed Kandy Biosphere Reserve” held at the Department of National Botanic Gardens Peradeniya, Sri Lanka organized by National Science Foundation, 7th May 2010.

Member of the panel of the discussion on “Chronic kidney disease of uncertain etiology in Sri Lanka held at the Postgraduate Institute of Medicine, 6th November 2013.

University nominee for the committee of task of ‘Updating the National Environment Policy’, Ministry of Mahaweli Development and Environment, Sri Lanka

EDITORIAL AND SCHOLARLY WORK

1. Research Congress, Postgraduate Institute of Science, 2019. Served as a member of the Editorial Board
2. Research Congress, Postgraduate Institute of Science, 2017. Served as a member of the Editorial Board.
3. Proceedings of “Symposium on Effective synergization of water resources and landscape management of Sri Lanka” (2009).
4. Proceedings of “Short course on application of disaster management principles in emerging epidemics in Sri Lanka.” (2009).
5. Member of the editorial board of the Proceedings of “International symposium on Sustainable use of water: Challenges ahead” (2011).
6. Member of the editorial board of the Proceedings of “International Symposium on Water Quality and Human Health: Challenges ahead” (2012).
7. Member of the editorial board of the Proceedings of “2nd International Symposium on Water Quality and Human Health: Challenges ahead” (2013).
8. Member of the editorial board of the Proceedings of “3rd International Symposium on Water Quality and Human Health: Challenges ahead” (2014).
9. Member of the editorial board of the Proceedings of “4th International Symposium on Water Quality and Human Health: Challenges ahead” (2015).
10. Member of the editorial board of the Proceedings of “5th International Symposium on Water Quality and Human Health: Challenges ahead” (2016).
11. Member of the editorial board of the Proceedings of “6th International Symposium on Water Quality and Human Health: Challenges ahead” (2018).
12. Reviewer of NSF Grant Progress Report (2015).
13. Reviewer of NSF Grant proposal (2018).
14. Member of the review panel of National Institute of Fundamental Studies (NIFS) Annual review 2015.

SUPERVISION OF RESEARCH STUDENTS FROM 1999 TO DATE

Research projects	Number of students	
	Successfully completed	On-going
Undergraduate research projects		
as the only supervisor	28	2
as a co-supervisor	2	2
Projects leading to M.Sc. Degree		
as the principle supervisor	12	3
as a co-supervisor	6	1
Projects leading to M.Phil. Degree		
as the principle supervisor	2	1

as a co-supervisor	-	1
Projects leading to Ph.D. Degree	1	3
as a co-supervisor		

RESEARCH GRANTS ADMINISTERED/ RECEIVED

1. Assessment of Environmental Changes of Kalu Ganga area in the Knuckles Region using Biological Indicators (RG/ 2006/46/S)
Total grant value: Rs. 106,000.00
Funded by University of Peradeniya.
 2. Use of indicator organisms to detect environmental changes in the Kothmale reservoir area (RG/2008/EB/01).
Total grant value: Rs. 606,581.00
Funded by National Science Foundation Sri Lanka.
 3. Managing reservoir algal blooms using biological restoration methods: Application of bio-manipulation in Sri Lanka (RG/2014/42/S)
Total grant value: Rs. 1,095,000.00
Funded by University of Peradeniya.
- As a Co-investigator**
4. Higher Education for the Twenty First Century/Quality and Innovation Grants/ Window 3/Postgraduate Institute of Science (HETC/QIG/W3/PGIS).
Total Grant value Rs. 5,940,766.00
 5. Target oriented multidisciplinary research grants 2014-NRCTO 14-05
A comprehensive study on Chronic Kidney Disease of uncertain aetiology (CKDu)
Total grant value: 49,300,000.00

UNIVERSITY TEACHING

Undergraduate

B.Sc special degree in Zoology

Introductory Environmental Biology(2C)	Techniques in Zoology (2C)
Marine Ecosystems(2C)	Ecotourism and Nature Conservation (3C)
Wetland Ecosystems (2C)	Environmental Biology(3C)
Animal Ecology (2C)	Limnology & Wetland Ecology (3C)
Zoogeography & Sri Lankan Fauna(2C)	Ecotourism (2)
Economic Zoology (2C)	
Quantitative Ecology (2C)	

B.Sc special degree in Environmental Science

Concepts in Environmental Science (3C)
Wetlands and their Exploitation (2C)
Ecotourism and Nature Conservation (3C)

Postgraduate

From 2007 to date

1. Subject: ENS 515 - Water Resources and Water Pollution

Board of study/Institute: Board of Study in Environmental Science, Postgraduate Institute of Science, University of Peradeniya.

No. of Credits: 2 (9 hrs lectures and 3 hrs practicals)

Duration: 2007/2008, 2008/2009, 2010/2011, 2011/2012, 2013/2014, 2015/2016

2. Subject: ENS 516 Land Pollution and Solid and Hazardous Waste Management

Board of Study/Institute: Board of Study in Environmental science, Postgraduate Institute of Science, University of Peradeniya.

No. of Credits: 2 (21 hrs lectures and 18 hrs practicals)

Duration: 2007/2008, 2008/2009.

3. Subject: ENS 521 - Environmental Problems and Disasters in Sri Lanka and Their Alleviation

Board of study/Institute: Board of Study in Environmental Science, Postgraduate Institute of Science, University of Peradeniya.

No. of Credits: 2 (21 hrs lectures and 18 hrs practicals)

Duration: 2008/2009.

4. Subject : ENM 511- Environmental Biology

Board of study/Institute: Board of Study in Environmental Science, Postgraduate Institute of Science, University of Peradeniya.

No. of Credits: 2 (21 hrs lectures and 18 hrs practicals)

Duration: 2008/2009 2010/2011, 2011/2012, 2013/2014, 2015/2016.

5. Subject : ENM 514- Tourism and Ecotourism in Sri Lanka

Board of study/Institute: Board of Study in Environmental Science, Postgraduate Institute of Science, University of Peradeniya

No. of Credits: 2 (12 hrs lectures and 12 hrs practicals)

Duration: 2008/2009 2010/2011, 2011/2012, 2013/2014, 2015/2016.

6. Subject : ENM 516: Promotion of Ecotourism

Board of study/Institute: Board of Study in Environmental Science, Postgraduate Institute of Science, University of Peradeniya.

No. of Credits: 2 (12hrs lectures and 12 hrs practicals)

Duration: 2008/2009 2010/2011, 2011/2012, 2013/2014, 2015/2016.

7. Subject : ENM 521: Environment Management, and Sustainable Development

Board of study/Institute: Board of Study in Environmental Science, Postgraduate Institute of Science, University of Peradeniya.

No. of Credits: 2 (3hrs lectures)

Duration: 2010/2011, 2011/2012, 2013/2014, 2015/2016.

8. Subject : ENM 523: Pollution of Environment and Pollution Management

Board of study/Institute: Board of Study in Environmental Science, Postgraduate Institute of Science, University of Peradeniya.

No. of Credits: 2 (12hrs lectures and 12 hrs practicals)

Duration: 2008/2009, 2010/2011, 2011/2012, 2013/2014, 2015/2016

9. Subject : ENM 527: Sri Lanka's Ecotourism Resource Base

Board of study/Institute: Board of Study in Environmental Science, Postgraduate Institute of Science, University of Peradeniya.

No. of Credits: 2 (6 hrs lectures and 30 hrs practicals)

Duration: 2008/2009 2010/2011, 2011/2012, 2013/2014, 2015/2016

10. Subject: ZLE 504 Environmental Epidemiology

Board of study/Institute: Board of Study in Zoological Sciences, Postgraduate Institute of Science, University of Peradeniya.

No. of Credits: 2 (12 hrs lectures and 15 hrs practicals)

Duration: 2010/2011, 2013/2014, 2015/2016

11. Subject: Medical physics- PH 531 - Human Biology and Cell Biology

Board of study/Institute: Physics. Postgraduate Institute of Science, University of Peradeniya.

No. of credits: 2

Duration: 9 hrs of lectures.

12. Subject: Science Education – SE 519 Environmental Science

Board of study/Institute: Board of study in Science Education. Postgraduate Institute of Science, University of Peradeniya.

No. of credits: 2

Duration: 8 hrs of lectures and 7 hrs of practicals

Inter University/ Faculty teaching

1. External Evaluator: Final year undergraduate projects evaluations, 2016. Department of Animal Science, Faculty of Agriculture, University of Peradeniya, Sri Lanka.
2. Principle supervisor, 2016. Final year research project of Sukanniya Kaneshamoorthy on 'Diversity, distribution and chemical composition of seaweeds in Jaffna, Sri Lanka', Faculty of Agriculture, University of Jaffna.
3. Moderator, ENS 4173: Ecotourism 2015. Vauniya campus, University of Jaffna.
4. Visiting lecturer, 2015. ENS 4173 Ecotourism, Department of Bio science, Faculty of Applied Science, Vauniya Campus, University of Jaffna.
5. Examiner 2014, Comprehensive exams, Board of Study in Animal Science, Postgraduate Institute of Agriculture, University of Peradeniya.
6. Research supervisor, 2011. B.Sc. Nursing undergraduate Department of Nursing, Faculty of Allied Health sciences, University of Peradeniya, Peradeniya, Sri Lanka.
7. Co-supervisor, 2010. final year student Ms. W.M.N.M. Wijesundara (AG/5/239) Department of Animal science, Faculty of Agriculture, University of Peradeniya, Peradeniya 2010.
8. Second Examiner, 2009. ENS 2162 Environmental Sanitation, Health and Legal Aspects. Faculty of Applied Science and Vauniya, University of Jaffna.
9. Moderator, 2009. ENS 2162 Environmental Sanitation, Health and Legal Aspects. Faculty of Applied science, Vauniya campus, University of Jaffna.
10. Supervisor internship for an environmental science student from Asia University for Women 2014.

PARTICIPATION IN CONTINUING PROFESSIONAL DEVELOPMENT (CPD) PROGRAMMES/EXTENSION COURSES/SHORT COURSES

As a Participant

1. Short course on "GIS and its' Applications", Postgraduate Institute of Science, University of Peradeniya, Peradeniya, Sri Lanka, November 5th -10th 2007.
2. Training Program on Curriculum development in Higher Education held at Hotel Tourmaline, Kandy, 2007.
3. Workshop on " Research and Development: The Need for a New Research Culture, National Science and Technology Commission and Sri Lanka Association for the Advancement of Science, Colombo, Sri Lanka, December, 2004.
4. Certificate course on "Safety Oriented First Aid", St. John Ambulance, Kingston, Canada, 1999.
5. Training on "Workplace Hazardous Material Information System (W.H.M.I.S)", Department of Environmental Health and Safety, Kingston, Ontario, Canada, May 23rd , 2001.
6. Intensive course on Environmental Impact Assessment, Randenigala, Sri Lanka, February 23rd - March 3rd , 1996.
7. Short course on "Industrial Waste Management", University of Peradeniya, Peradeniya, Sri Lanka April 22-25; May 4-5, 1999.
8. Inception workshop on Ancient irrigation systems in Sri Lanka organized by FAO, UNU-ISP and University of Peradeniya, 2010.
9. Workshop on preparation of prototype questions for G.C.E (A/L), Department of Examination, Sri Lanka (Venue, Browns Beach Hotel, Negombo), Sri Lanka, 19-20 May 2009.
10. Workshop to Review the existing degree programmes, Curricular and methods of assessment organized by Faculty of Science, University of Peradeniya held at Hotel Topaz, Kandy on 27th June 2010.

As a resource person

1. Workshop on Data and Tools for Climate Resilience. August, 2018, Divecha Centre for Climate Change, Indian Institute of Science, Bangalore, India - Cascade irrigation system for climate resilience in Sri Lanka.
2. Resource person of the training workshop for G.C.E. (A/L) science teachers of the Central province, 2015.
3. Resource person of the seminar for G.C.E. (O/L) in Raththota organized by “Raththota Vidatha resource center” 2014.
4. Guest lecture, Annual Science Day organized by St. Sylvester’s College, Kandy., 2014.
5. Resource person of the Lecture on “Bio Diversity” for G.C.E. (A/L) students held at Girls’ high School, Kandy, 05th June 2014.
6. Resource person of the one month training for 40 elephant keepers at Pinnawala orphanage organized by the Department of Veterinary Clinical Sciences, University of Peradeniya, Sri Lanka. 2014.
7. Resource person of the short course on “Research design” conducted by the Postgraduate Institute of Science University of Peradeniya, 2012.
8. Member of the teaching panel of the certificate course in Environmental Awareness conducted by the center for environmental studies, University of Peradeniya, Peradeniya, Sri Lanka, 2011.
9. Resource person of the seminar on Chronic Kidney Disease of Unknown aetiology in the North Central Province of Sri Lanka, organized by the Faculty of graduate studies, University of Sri Jayawardenepura, 12th December 2011.
10. Guest lecture, World Environmental Day organized by HNB, 2010.
11. Resource person of the workshop on Curriculum development for proposed masters in development practice organized by the Department of economics and statistics at Faculty of Arts, University of Peradeniya, Peradeniya, Sri Lanka, 2010.
12. Resource person of the National conference on Cascade irrigation systems for rural sustainability held at Sri Lanka Foundation Institute organized by Plan Sri Lanka in collaboration with the Central Environmental Authority-Ministry of Environment, 9th December 2010.
13. Speaker at the Conference and workshop on Traditional knowledge for climate and ecosystems change adaptation, Ramada Hotel, Colombo, 2010.
14. Member of teaching panel of the certificate course in Environmental Health conducted by the Postgraduate Institute of Science, University of Peradeniya, Peradeniya, Sri Lanka, 2007.
15. Resource person of Practical session on “Identification of commonly utilized food fish” held at Mahamaya Girls’ College, Kandy, 2007.
16. Resource person in the short course on Conservation and Management of Reservoirs in Sri Lanka, 2005.
13. Inspection of the Ellisium Exhibition Organized by Girls’ High School, Kandy 2005.
14. Resource person of the seminar for G.C.E (A/L) science students on improvement of education held at Girls’ High School, Kandy, 2005.
15. Resource person of the Teacher training program in Central Province for G.C.E. (A/L) Biology new syllabus held at the Postgraduate Institute of Science, University of Peradeniya, Peradeniya, Sri Lanka.
16. Resource person of the workshop on Eutrophication of Kandy Lake organized by Boards of Study in Environmental Science and Zoological Sciences of the PGIS and Institute of Fundamental Studies 21st May 2004.

CONTRIBUTIONS IN ORGANIZING INTERNATIONAL CONFERENCES IN OTHER HIGHER EDUCATION INSTITUTES IN OTHER COUNTRIES

1. International Conference on Conserving Biodiversity for Sustainable Development, 16-18th August, 2013 Rourkela, India
Organized by the Department of Biotechnology and Medical Engineering, National Institute of Technology, Rourkela, Odisha, India in research association with Postgraduate Institute of Science, University of Peradeniya, Sri Lanka; Cafet-Innova Technical Society, Hyderabad, India; In Industrial Association with Jindal Steel and Power Ltd. Tensa, Odhisha, India.
Served as a member of scientific advisory committee and delivered the keynote speech in Biodiversity and climate change session
2. 2nd International Conference on Earth Sciences and Engineering (ICEE-2015), Organized by the Nehru Institute of Technology, Coimbatore, India and Cafet-Innova Technical Society, Hyderabad, India 20th to 21st March, 2015.
Served as a member of scientific advisory committee and a Keynote Speaker
3. 4th World Conference on Applied Sciences, Engineering and Technology organized by the Kumamoto University, Japan and Cafet-Innova Technical Society, Hyderabad, India, 2015.
4. Research Congress, Postgraduate Institute of Science, 2017. Served as a member of the organizing committee
5. 4th Annual International Conference on Fisheries and Aquaculture 2017 under the theme “Depletion of Aquatic Biodiversity and Aquaculture as a Decisive Remedy” 24-25 August, Colombo, Sri Lanka.
Serve as a member of the Scientific Committee

National and International Collaborations

1. National Water Supply and Drainage Board (NWSDB)
2. International Association of Ecotechnology Research Japan
3. Toyama Prefectural University, Japan.
4. Toyama National College of Technology, Japan.
5. Faculty of Medicine, University of Peradeniya, Sri Lanka.
6. National Institute of Fundamental Studies (NIFS), Sri Lanka.
7. Plan Sri Lanka.
8. International Research Center, University of Peradeniya, Sri Lanka.
9. Cafet Innova Technical Society, India.

CONFERENCE PARTICIPATION

Invited Speaker

1. BAS-TWAS-CASAREP Young Scientist meeting on Impact of climate Change –A way forward, Dhaka, Bangladesh, 28-30 September 2019. Climate resilience: a case study from Sri Lanka - *Sudharma Yatigammana, Dept. of Zoology, University of Peradeniya, Peradeniya.*
2. Conference on Environmental Challenges for Sustainable Development: “Role of Chemists” (August 18-19, 2016), Colombo, Sri Lanka. **Towards the sustainability of water use** - *Sudharma Yatigammana, Dept. of Zoology, University of Peradeniya, Peradeniya.*

3. Astrobiology research conference, Transition from Earth centered biology to cosmic biology, University of Peradeniya, Sri Lanka, 2015. **Astrobiology and Algae - Sudharma Yatigammana, Dept. of Zoology, University of Peradeniya, Peradeniya.**
4. Theme Seminar on Chronic Kidney Disease in North Central Province, Organized by Jayawardhanapura University of Sri Lanka 2011. **Role of algal toxins in Chronic Kidney Disease - Sudharma Yatigammana, Dept. of Zoology, University of Peradeniya, Peradeniya.**
5. UN-CECAR Conference & Workshop - Traditional Knowledge for Climate and Ecosystems Change Adaptation, Ramada Hotel, Colombo, Sri Lanka 2010. **Our irrigation systems and their sustainability - Sudharma Yatigammana, Dept. of Zoology, University of Peradeniya, Peradeniya.**
6. National conference on Cascade Irrigation Systems for Rural Sustainability organized by Central Environmental authority and Plan Sri Lanka. Sri Lanka Foundation Institute, Colombo Sri Lanka 2010. **Water Quality Variations in Village Tank Cascade Systems - Sudharma Yatigammana, Dept. of Zoology, University of Peradeniya, Peradeniya.**

Keynote Speaker

1. The 4th Conference for the Advancement of Studies in Technology, Toyama, Japan 2012. Keynote speaker, **Sudharma Yatigammana, Dept. of Zoology, University of Peradeniya, Peradeniya.**
2. The 7th International Forum on Ecotechnology, December 2012, Takaoka, Japan Keynote speaker, **Sudharma Yatigammana, Dept. of Zoology, University of Peradeniya, Peradeniya.**
3. International Conference on Conserving Biodiversity for Sustainable Development 2013, India. Keynote speaker, **Sudharma Yatigammana, Dept. of Zoology, University of Peradeniya, Peradeniya.**
4. 2nd International Conference on Earth Sciences and Engineering 2015. Nehru Institute of Technology (NIT), Coimbatore, India. Keynote speaker, **Sudharma Yatigammana, Dept. of Zoology, University of Peradeniya, Peradeniya**

Chairing of Scientific Sessions

1. International symposium on “Sustainable use of water: Challenges ahead” Postgraduate Institute of Science, University of Peradeniya, 2011.
2. International Symposium on Water Quality and Human Health: Challenges ahead”, Postgraduate Institute of Science, University of Peradeniya, 2012.
3. The 4th Conference for the Advancement of Studies in Technology, Toyama, Japan 2012.
4. 2nd International Symposium on Water Quality and Human Health: Challenges ahead”, Postgraduate Institute of Science, University of Peradeniya, 2013.
5. 3rd International Symposium on Water Quality and Human Health: Challenges ahead”, Postgraduate Institute of Science, University of Peradeniya, 2014.
6. 4th International Symposium on Water Quality and Human Health: Challenges ahead”, Postgraduate Institute of Science, University of Peradeniya, 2015.
7. 5th International Symposium on Water Quality and Human Health: Challenges ahead”, Postgraduate Institute of Science, University of Peradeniya, 2015.
8. International Conference on Conserving Biodiversity for Sustainable Development, National Institute of Technology, Raurkela, India, 2013.
9. 2nd International Conference on Earth Sciences and Engineering 2015. Nehru Institute of Technology (NIT), Coimbatore, India.
10. Research Congress, 2014/2015/2016, 2017, 2018. Postgraduate Institute of Science, University of Peradeniya. **Served as a session chair-Life Sciences.**

11. Peradeniya University International research Session- 2015,2016,2017, 2018
Served as a session chair-Natural Sciences

Other Conferences attended

1. The 8th International Symposium on Paleolimnology. Queen's University, Kingston, Ontario, Canada (2000).
2. Canadian conference for fisheries research, Royal York Hotel, Toronto Canada. Presented a poster on Reservoirs in Sri Lanka (2001).
3. Symposium on 'Effective Synergization of water resources and landscape management of Sri Lanka', Postgraduate Institute of Science, University of Peradeniya, Sri Lanka (2009).
4. National conference on Cascade Irrigation Systems for Rural Sustainability Foundation Institute, Sri Lanka (2010).
5. UN-CECAR Conference & Workshop – 'Traditional Knowledge for Climate and Ecosystems Change Adaptation', Ramada Hotel, Colombo, Sri Lanka (2010).
6. International Conference on 'Applied Epidemiology'. Postgraduate Institute of Science, University of Peradeniya (2011).
7. International symposium on 'Sustainable use of water: Challenges ahead', Postgraduate Institute of Science, University of Peradeniya (2011).
8. International Symposium on 'Water Quality and Human Health: Challenges ahead', Postgraduate Institute of Science, University of Peradeniya (2012).
9. Environmental Engineering Forum organized by Japan Society for Civil Engineers, Kyoto, Japan (2012).
10. 2nd, 3rd, 4th, 5th and 6th International Symposium on 'Water Quality and Human Health: Challenges ahead', Postgraduate Institute of Science, University of Peradeniya.

PUBLICATIONS

Research publications in refereed journals

1. Hansika R. V. H. and **Yatigammana S. K.** (2019) Distribution of diatom assemblages in the surface sediments in Sri Lankan reservoirs located in the main climatic regions and potential of using them as environmental predictors. *Trop Ecol* (2019). <https://doi.org/10.1007/s42965-019-00045-w>
2. Warusawithana, A.L. and **Yatigammana, S.K.**, 2019. Ecology and Diversity of Plankton in Kotmale Reservoir, Sri Lanka. *Sri Lanka Journal of Aquatic Sciences*, 24(1), pp.25–40. <http://doi.org/10.4038/sljas.v24i1.7565>.
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9. **Yatigammana, S. K.** and Wickramasinghe, N.K. (2017) detection of suitable zooplankton from three taxonomic groups for application in biomanipulation. *Ceylon Journal of Science* 46 (1) 27-35.
10. H. M. Ayala S. Herath, Kazusa Kubota, Tomonori Kawakami, Shiori Nagasawa, Ayuri Motoyama, S. K. Weragoda, G. G. Tushara Chaminda & **S. K. Yatigammana (2017)** Environmental Forensics_Vol. 18 (3):241-250.
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13. Aravinna P, Priyantha, N, Pitawala, A. and **Yatigammana, S. K.** 2016: Use pattern of pesticides and their predicted mobility into shallow groundwater and surface water bodies of paddy lands in Mahaweli river basin in Sri Lanka. *J. Env. Sci. & Health.* (Part B) 52(1) 37-47.
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Language Skills:

	<u>Writing</u>	<u>Speaking</u>	<u>Reading</u>
English	Excellent	Excellent	Excellent
Sinhala	Excellent	Excellent	Excellent

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this bio data correctly describes myself, my qualifications and my experience.



Signature

January 20, 2020