

Anushika Iroshanie R.Gamage

*Dept. of Oceanography and Marine Geology,
Faculty of Fisheries and Marine Sciences & Technology,
University of Ruhuna, Matara (81000), Sri Lanka*

+947175921192 | +94412227026

anushikagamage@gmail.com



EDUCATION

2014 – Up-to-date

Reading for PhD in Physical Oceanography in South China Sea Institute of Oceanology/University of Chinese Academy of Science, China

Thesis: “Marine Environmental dynamics in the Sri Lankan Waters Under the Influence of Upwelling”

2007 – 2009

M.Sc (Aquaculture) full-time two (02) years degree program with (120 ECTS) in Bodø University College, Bodø, Norway.

Thesis: “The Specific Status and Phylogeny of *Podabacia* (Scleractinia) morpho species in Southern Sri Lankan Waters Investigated using Molecular Genetic Analysis”

2000 – 2005

B.Sc (special) degree in Fisheries Biology with Chemistry as the subsidiary field of study in Faculty of Science, University of Ruhuna, Sri Lanka, with the award of 1st Class (Honors)

Thesis: “Hydrobiological Study in Garanduwa Lagoon, a Coastal Water Body of Southern Sri Lanka”

RESEARCH INTERESTS

- Ocean Circulation
- Coastal Upwelling
- Climate Change
- Use of Remote Sensing in oceanographic context

TECHNICAL SKILLS

- Programming Frequent user of MATLAB and R
- Ocean Models Learning regional ocean models (NCOM, ROMS)
- Expertise Data analysis including time series/statistical analysis, observational, satellite and model data analysis

RELATED SKILLS

- Field experience on Marine (non-remote) observation and underwater data collection : PADI Advanced Open-Water Diver

- Experience on working with Remote Sensing platforms & data (i.e. Optical, Thermal, Acoustic LIDAR and RaDAR imagery and associated processing and analyses)
- Experience on working with GIS platforms and data (i.e. ESRI Arc GIS 10.0 and ILWIS 3.7)
- Experience in handling and analyzing data in statistical platforms (i.e "R" & SPSS)
- Excellent Scientific Communication Skills, including Reading, Writing and presentation skills (Cambridge IELTS Overall band score 7.0)

TEACHING EXPERIENCE

04.11.2009 to date

Lecturer in Department of Oceanography and Marine Geology, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna, Sri Lanka

10.10.2005 to 06.08.2007

Assistant Lecturer in Department of Oceanography and Marine Geology, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna, Sri Lanka

08-08-2005 to 09-10-2005

Demonstrator in Department of Fisheries Biology, Faculty of Science, University of Ruhuna, Sri Lanka

RELATED TRAINING

07.03.2013 – 06.04.2013

Participating four days workshop on Applications of GIS and Remote Sensing by Arthur C Clerk Institute for Modern Technologies, Sri Lanka

10.05.2012

Workshop on science presentation conducted by, BOBLME (Bay of Bengal Large Marine Ecosystem project) and SLAFAR (Sri Lanka Association for Fisheries and Aquatic Resources)

16.01.2012-21.01.2012

Short course on GIS and Remote sensing, conducted by Postgraduate Institute of Science, University of Peradeniya, Sri Lanka

01.07.2011-31.11.2011

Certificate course in integrated marine affairs management conducted by, IOMAC-ONS, Colombo, Sri Lanka

15.09.2008-19.09.2008

SIDA Advanced Regional Following Workshop on Sustainable Coastal Development, jointly conducted by, Vietnam Environmental Protection Administration, SSPA Sweden AB & Swedish International Development Agency (SIDA) - Hanoi, Vietnam

03.09.2007-05.08.2007

Advanced International Training Program on Sustainable Coastal Development: COAST 2007/B, conducted by, SSPA Sweden AB & Swedish International Development Agency (SIDA) - Göteborg, Sweden

19.03.2007-22.03.2007

Capacity building training program for the clearing hand mechanism of the Convention of Biodiversity of South Asia, jointly conducted by, SACEP (South Asia Cooperating Environmental Program), CBD

(Secretariat, Convention of Biodiversity) & MENR (Ministry of environmental and natural resources, Republic of Sri Lanka: Colombo-Sri Lanka)

2006-2007

Special International Diving Training: PADI OWD (L1-PS) and AOWD (L3-PS) Diver certification, under PAAVIMA Organization U.S.A (As post-Tsunami life skills training program on diving): Madihe, Sri Lanka

PUBLICATIONS & PRESENTATIONS

R G A Iroshanie (2016), Detection of Southern Sri Lankan Upwelling Front and It's Variations, 13th Annual Meeting of Asia Oceania Geosciences Society (AOGS) 2016, Beijing China

Manoj Presanga, P.B.T.P Kumara, **R.G.A Iroshanie**(2012), Study of the mangrove and associated mangrove species around the Dondra lagoon Sri Lanka, Proceedings of the first National Symposium on Marine Environment, Marine Environment Protection Authority & University of Ruhuna Sri Lanka 2013.

R.G.A.Iroshanie and P.B.T.P.Kumara, (2011). Biodiversity assessment of Mukkuthoduwawa estuary in Puttalam District, Sri Lanka. Proceedings of the Eighteenth Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources 2012

I.U.Manikkarachchi, P.B.T.P.Kumara and **R.G.A.Iroshanie**,(2011). Evaluation of the changes in zooplankton community and water quality parameters of the Polhena reef ecosystem (southern Sri Lanka) during intermonsoon to dry season.09th Academic Sessions 2012,University of Ruhuna,Sri Lanka

T.G.I.P. Amaranayaka, H.B.Asanthi and **R.G.A.Iroshanie**,(2011). Potential of a seagrass *Thalassia hemprichii* as a biofilter for selected heavy metals(Cu,Pb) in coastal environment.09th Academic Sessions 2012,University of Ruhuna,Sri Lanka

P.B. Terney Pradeep Kumara, **R.G.A. Iroshanie**, W.A.A.U. Kumara,H.A.A. Sandaruwan, H.B.L. Upendra & P.R.T. Cumarantunga,(2008). Impacts of Reef Related Resource Exploitation on Coral Reefs: Some Cases from Southern Sri Lanka. Status Report 2008, CORDIO (Coastal Oceans Research and Development in the Indian Ocean)

R.G.A.Iroshanie, P.B.Amarasinghe,(2006).Hydrobiological Study in Garanduwa Lagoon, a Coastal Water Body of Southern Sri Lanka. 4th Academic Sessions 2007, University of Ruhuna, Sri Lanka

ONGOING RESEARCH PROJECTS

Determination of invasiveness of Marine alien species in Colombo and Galle Commercial Harbours of Sri Lanka-2019

Studying interannual variability of Sea Surface Chlorophyll and Dynamics in Northern Indian Ocean with special reference to Sri Lankan waters

AWARDS & MEMBERSHIPS IN PROFESSIONAL BODIES

CAS –TWAS PhD Fellowship 2013 – University of Chinese Academy of Science, China (2013 – 2018)

Norwegian Government (State Loan Fund - Lånekassen) Quota grant and full scholarship for two year study for M.Sc in Aquaculture - Bodø University college, Norway (2007-2009)

Member of the Sri Lanka Association of Fisheries and Aquatic Resources (SLAFAR)

REFERENCES

Prof. Wang Dongxiao
State Key Laboratory of Tropical Oceanography
South China Sea Institute of Oceanology
Chinese Academy of Science
164, West Xingang Road, Guangzhou, China 510301
E-mail: dxwang@scsio.ac.cn

Prof Tilak P D Gamage
Department of Limnology
Faculty of Fisheries and Marine Sciences & Technology,
University of Ruhuna,
Sri Lanka
Phone: +94 (0) 41 2227026
E-mail: tilakgamage@gmail.com

Prof. Truls Moum
Marine Genomics Research Division,
Faculty of Biosciences and Aquaculture,
University of Nordland, 8049 BODØ, Norway
E-mail: truls.moum@uin.no

Dr. P.B.Terney Pradeep Kumara,
Department of Oceanography and Marine Geology,
Faculty of Fisheries and Marine Sciences & Technology,
University of Ruhuna,
Sri Lanka
Phone: +94 (0) 41 2227026
E-mail: terney@fish.ruh.ac.lk

I hereby certify that the particulars submitted by me in this document are true and accurate to the best of my knowledge and understanding.

Date:- **20.12.2017**

Signature