



Curriculum Vitae

Dr. Lydia Gaspare Kanyairita

Personal Information

Nationality: Tanzanian
Place of birth: Kamachumu, Muleba District, Kagera
Date of birth: 20 June 1973
Address: Department of Aquatic Sciences and Fisheries Technology
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Education

2008 – 2016: **Ph.D. in Environment and Development studies**, Norwegian University of Life Sciences.

(January - November 2012 maternity leave)

Thesis title: Linking ecological and social elements to sustain coral reef fisheries: A case of groupers [Epinephelidae] in Mafia Island, Tanzania”

Trial lecture: Linking knowledge systems for improved ecosystem-based management in artisanal fisheries

Committee: Prof. Magnus Nyström, Dr. Signe Annie Sønvisen and Prof. Pål Olav Vedeld

Main supervisor: Prof. Ian Bryceson

Co-supervisors: Prof. Kassim Kulindwa and Prof. Yunus Mgya

2004 – 2007: **MSc. in Aquatic Sciences**, University of Dar es Salaam

Thesis title: Levels and distribution of Polycyclic Aromatic Hydrocarbons in interstitial water, surface sediments and oysters from the intertidal areas of Dar es Salaam, Tanzania.

2000 – 2003: BSc. General (upper second with Honours), University of Dar es Salaam

1996 – 1999: Diploma in Pharmaceutical Sciences, Muhimbili University College of Allied health Science, University of Dar es Salaam

1992 – 1994: Advanced Certificate of Secondary Education (Chemistry, Biology, Geography), Rugambwa Secondary School

1988 – 1991: Ordinary Certificate of Secondary Education, (Science, *Division I*), Rutabo Secondary School

1981 – 1987: Certificate of Primary Education, Rutabo Primary School

Scholarships

- 2008 – 2013: Norwegian Programme for Development, Research and Education (NUFU), Scholarship
2004 – 2006: German Academic Exchange Service (DAAD) In-Country Scholarship, University of Dar es Salaam

Employment

- 2016 - to date: Lecturer, University of Dar es Salaam
Course: Feed Production Technology; Fish processing technology
Supervision: Supervising one Master student
Thesis supervisor - undergraduate's final year projects
- 2014 – 2015: **Senior Laboratory Scientist II**, University of Dar es Salaam
Responsibilities
- Prepare practical and field excursion for undergraduate and postgraduate programme
- Courses:** Aquatic pollution and control; Fisheries resource management and Conservation; Fish processing Technology and quality assurances; Introduction to Fisheries Science and Technology; Fisheries Population Dynamics and Stock Assessment
- Thesis supervisor for undergraduates on their 3rd year projects
- 2010 – 2014: **Senior Laboratory Scientist III**, University of Dar es Salaam, PhD studies
- 2007 – 2010: **Laboratory Scientist I**, University of Dar es Salaam, Instructor for Fisheries Diploma students
Courses: Food Chemistry and Applied nutrition, Oceanography
- 2004 – 2007: **Laboratory Scientist II**, University of Dar es Salaam, Instructor for Fisheries Diploma students
Courses: Food Chemistry and Applied nutrition, Oceanography
- 1998 – 2000: **Pharmaceutical technician**, Ikimba Pharmacy
Dispensing medicines

Administrative Positions

- 2017 - to date: College Coordinator- Undergraduate Practical Training
2015 – to date: College Coordinator - Gender
2008 – 2014: Departmental In-charge of laboratories
2007 – 2010: Research project coordinator for Diploma programme

Committee Activities

- 2016 - to date: Chairperson of the departmental gender committee
2004 – 2007: Member of departmental consultant committee

Service as Reviewer

Research Agency: Western Indian Ocean Marine Science Association (WIOMSA)

Public Services

Participate at Mkulima Market exhibitions: free consultation to farmers on fish farming and management

Participated in a TV programme Topic: “Conservation and blue economy: towards the 10th WIOMSA conference”

Prizes and awards

2008 Commended for excellent work performance, University of Dar es Salaam

1994: Best student (Chemistry, Biology, Geography), advanced certificate of secondary examination, Rugambwa secondary school, Tanzania

Research survey Participation

2004: Research assistant-IUCN project “Spawning aggregations of reef fishes in East Africa”

2005: Research assistant to the UNEP/GEF project “Addressing Land-based Sources of Pollution in the Western Indian Ocean” (WIO-LaB).

2007: Research assistant to the CIDA project “Sustaining Coastal Fishing Communities in Tanzania”

2008: PhD candidate under the project “Coastal fisheries of Tanzania: the challenges of globalization to resources management, livelihoods and governance. Norwegian Programme for Development, Research and Education (NUFU)

Conference Presentations

30 Oct – 4 Nov 2017: Effectiveness of Marine Protected Areas on fisheries management: Fishers’ opinions in Mafia Island Marine Park, Tanzania. Poster presentation delivered at the 10th WIOMSA Scientific Symposium, Dar es Salaam, Tanzania

26 – 31 Oct 2015: Complementarity of fishers’ traditional ecological knowledge and conventional science: Contributions to the management of grouper (Epinephelinae) fisheries around Mafia Island, Tanzania. Oral presentation delivered at the 9th WIOMSA Scientific Symposium, Eastern Cape, South Africa

28 Oct - Nov 2013: Temporal and spatial trends in size, biomass and abundance of groupers (Epinephelinae) in Mafia Island Marine Park: Fishers’ perceptions and underwater visual census surveys. Oral presentation delivered at the 8th WIOMSA Scientific Symposium, Maputo Mozambique

23 - 24 August 2012: Reproductive biology and fishery-related characteristics of the Malabar Grouper (*Epinephelus malabaricus*) caught in the coastal waters of Mafia Island, Tanzania. Poster presentation delivered at the International Conference on Fisheries and Marine Sciences, Negombo, Sri Lanka

22 – 26, Oct 2007: Levels and Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) in interstitial water, surface sediment and oysters from the intertidal areas of the Dar es Salaam coast. Oral presentation delivered at the 5th WIOMSA Scientific Symposium, Durban, South Africa

3 – 6, June 2007: Polycyclic aromatic hydrocarbon (PAH) contamination of surface sediments and oysters from the inter-tidal areas of Dar es Salaam, Tanzania. Poster presentation delivered at the 5th International Conference on Marine Pollution and Ecotoxicology, Center for Coastal Pollution and Conservation, City University of Hong Kong

Training/workshops

15 – 19 Jan, 2018	CLEAT Introductory Course on R-Programming, held at the University of Dar es Salaam, Tanzania
2 Nov 2017	“Bridging the gap between marine research, policy and management – developing new ideas for collaboration” Nairobi Convention, GIZ on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ) at WIOMSA Scientific Symposium, Dar es Salaam, Tanzania
16 -19 May 2017	Entrepreneurship education training of trainer, UDSM Tanzania, Wadhvani Foundation, Dar es Salaam, Tanzania
5 – 6 May 2016	Knowledge Sharing Research Dissemination and Communication: A case of Integrated Aquaculture Agriculture (IAA), Dar es Salaam, Tanzania
6 – 11 Dec 2010	IFS/WIOMSA Science Outreach Workshop: Zanzibar, Tanzania
24 – 27, Aug 2009	Managing Sustainable Livelihood (SLA) for the Poor, InWent/COASTMAN, Maputo, Mozambique,
2 – 4 Dec 2008	Scientific Writing in English, The University of Life Sciences (UMB), Norway
12 – 14 March 2008	Writing Academic Research proposals in higher learning institutions, University of Dar es Salaam Center for continuing education (CCE), Dar es Salaam, Tanzania
17 – 22 Feb 2008	The COASTMAN livelihoods lesson learning workshop: InWent/COASTMAN, Durban, South Africa
8 – 12 Oct 2007	Sustainable Port Planning and Management: Regional workshop, InWent, Durban, South Africa
5 – 12 May 2007	Climate change and Integrated Coastal Zone Management: InWent/COASTMAN Bremen, Germany,
20 – 24 Nov 2006	Integrated Coastal Zone Management and the concept of marine/coastal protected areas-how to deal with conflicting claims regarding the use of coastal resources: InWent/COASTMAN Southern Africa, Cape Town, South Africa
22 May - June 2006	The determination of Chlorinated Pesticides and Petroleum Hydrocarbons in Marine Sediments, Water and Biota by Gas Chromatography: CSIR/IAEA training course for the WIO-LaB Project, Durban, South Africa
05 - 10, Dec 2005	How to implement community based coastal zone management successfully: InWent/COASTMAN Southern Africa Coastal Management Short Course-Walvis Bay-Namibia
June – Dec, 2005	Analysis of organic micro-pollutants using Gas Chromatography/Mass Spectrometer: UFZ center of environmental research-Leipzig, Germany
21- 25, Feb 2005	“Resolving Coastal Conflicts in an Intercultural Context: InWent/COASTMAN International Training, Maputo, Mozambique
24 – 28 Jan 2005	Effective teaching methods in higher learning institutions, University of Dar es Salaam Center for continuing education (CCE), Dar es Salaam, Tanzania

- 15-19 March 2004: Reef fish spawning aggregation. Designing questionnaire for various fisheries stakeholders: IUCN/ Mombasa-Kenya
- July -Sept 2003: SCUBA diving and underwater reef fish Surveys. Advanced BTEC Diploma in Tropical Habitat Conservation, Frontier-Tanzania Marine Research programme: Ten week expedition, Pemba

Publications

1. Gaspare, L., Machiwa, J. F., Mdachi, S. J. M., Streck, G., & Brack, W. (2009). Polycyclic aromatic hydrocarbon (PAH) contamination of surface sediments and oysters from the inter-tidal areas of Dar es Salaam, Tanzania. *Environmental Pollution*, 157(1), 24-34.
2. Gaspare, L., & Bryceson, I. (2013). Reproductive biology and fishery-related characteristics of the Malabar Grouper (*Epinephelus malabaricus*) caught in the coastal waters of Mafia Island, Tanzania. *Journal of Marine Biology*, 2013.
3. Gaspare, L., Bryceson, I., & Mgya, Y. D. (2015). Temporal and spatial trends in size, biomass and abundance of groupers (*Epinephelinae*) in Mafia Island Marine Park: fishers' perceptions and underwater visual census surveys. *Fisheries Management and Ecology*, 22(4), 337-348.
4. Gaspare, L., Bryceson, I., & Kulindwa, K. (2015). Complementarity of fishers' traditional ecological knowledge and conventional science: Contributions to the management of groupers (*Epinephelinae*) fisheries around Mafia Island, Tanzania. *Ocean and Coastal Management*, 114, 88-101.
5. Gaspare, L. Effectiveness of a Marine Protected Area on fisheries management: Fishers' opinions in Mafia Island Marine Park, Tanzania. (Revised for Coastal Management)