

CURRICULUM VITAE

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SPECIALIZATION: Marine Biologist

EDUCATIONAL BACKGROUND

- 1).Certificate of Primary Education, Ngira Primary School,Hai, Kilimanjaro 1977.
- 2).Ordinary Certificate of Secondary Education, Sengerema High School,Mwanza 1980.
- 3).Certificate of Fisheries Sciences, Nyegezi, Mwanza, Tanzania, 1983.
- 4).Diploma in Fisheries Sciences, Kunduchi, Dar es salaam, 1989
- 5).B.Sc.(Hons.), Marine Biology and Microbiology, University of Dar-es-Salaam, 1994.
- 6).M.Sc.(Marine Ecology), Free University of Brussels (VUB), 1999.
- 7).Ph.D.(Marine Biology), University of Dar es salaam, 2017.

TRAINING WORKSHOPS AND SCIENTIFIC CONFERENCES ATTENDED

- 1). Post Graduate Diploma course in Coastal ecology Management and Conservation, **organized by Free University of Brussels and held in Kenya Marine and Fisheries Research(KMFRI)1997.**
- 2). **Regional course in Brackish-water Aquaculture held in NAPFRE-Penang Malaysia, Aug-Oct 2004**
- 3). A training course on Effective Teaching methods in higher Learning Institution) held at University of Dar-Es-salaam Centre for Continuing Education Jan, 2005.

- 4). A training course on Coastal Biodiversity in Mangrove Ecosystem organized by United Nations University (NUN-INWEH-UNESCO) held in Anamalai University, India Nov. 12- Nov.16, 2009.
- 5). Workshop on Modern techniques on Remote sensing using (GIS), Bio-diversity and population ecology, Environmental pollution and risk assessment, Integrated Coastal Zone Management (ICZM), and (ICT) for science and management, held in VUB, Brussels, May, 17- May 22, 2005.
- 6). Attended a Research program, Summer Programme at the Center of excellence of the University of the Ryukyus, Okinawa, Japan, June, 16-20. Aug. 2008
- 7). 3RD WIOMSA Scientific Symposium on Advances in Marine Science in Eastern Africa: Mult/trans-disciplinary Research for Improved Management of Resources. Maputo, Mozambique, 15 -18 October 2003.
- 8). 7th WIOMSA Scientific Symposium on Advances in Marine Science in Eastern Africa: 24 - 29 October 2011 in Mombasa, Kenya
- 9). Fisheries and Biodiversity Management training course at MANTEP BAGAMOYO 15th-29th, Nov. 2000
- 10). National service compulsory Training course (OP-NGUVU KAZI) at Ruvu National Service Camp. 15th, June 1983-28th May, 1984.
- 11). A training course on the Integration of ICT in teaching and learning; held at University of Dar-Es-salaam Centre for Continuing Education 18th-22nd, July, 2005
- 12). Sida/Marine Research Program, Workshop on Research methods for Phytoplankton Primary Production and Bacterioplankton Secondary Production, IMS, Zanzibar. 26th-29th March, 1996
- 13). Training course on knowledge sharing research Dissemination and communication: a case of Integrated Aquaculture Agriculture (IAA), 5th-6th May, 2016.

EMPLOYMENT HISTORY

- 1). Assistant Fisheries Officer and Tutor at Kunduchi Marine Fisheries research and Training Institute employed by the Permanent Secretary, Ministry of Natural Resource & Tourism 1988-1994.
- 2). Fisheries officer and Tutor in Aquaculture, and Oceanography courses at Kunduchi Fisheries Training Institute (now a Faculty of Aquatic sciences and Technology, University of Dar-Es-salaam.) 1994- 2003.
- 3). Principal Laboratory Scientist, Department of Aquatic Sciences and Fisheries Technology, University of Dar es salaam, 2003 -2011.

4). Chief Laboratory Scientist Department of Aquatic Sciences and Fisheries Technology, University of Dar es salaam 2012 – to date responsible for Laboratory works, research and consultancy.

ADMINISTRATIVE POSITIONS

1). Board member, Faculty of Aquatic Sciences and Technology, from 2003 to 2009; responsible with planning and development of strategies, policies and functions of the Faculty.

2). In-charge of Faculty Labs (FAST), from 2003 to 2009, responsible with management and Administration of Laboratory use, supervision and guidance in Practical training and Research projects for both undergraduates and purchase of Lab equipment and chemicals.

3). Board member, faculty of aquatic sciences and fisheries technology 2003- University of Dar es Salaam,; responsible with planning and development of strategies, policies and functions of the Institute.

4). Board member, Collage of Agricultural Sciences and Fisheries Technology 2016 to date responsible with planning and development of strategies, policies and functions of the College.

5). In-charge of Labs (DASFT), from 2009-todate, responsible for management and administration of Laboratory use and purchase of Lab equipment and chemicals, daily laboratory use and condition, monitoring of Kunduchi campus buildings (office and Labs) condition and safety.

PROFESSIONAL AFFILIATION

1) Member, Western Indian Ocean Marine Sciences Association (WIOMSA).

2) Member, Research and Consultancy, Collage of Agricultural sciences and Fisheries Technology, University of Dar es Salaam.

AWARDS AND RESEARCH GRANTS ACQUIRED/COORDINATED

1). Russell E. Train education for Nature Program (under WWF) Prize worth US\$9,000 for PhD registration, Tuition and Research, CoNAS, University of Dar es Salaam 2010-2013.

2). MARG-II Grant, WIOMSA, worth US\$ 6000 To attend a training course on ecological modelling in Southern University of Denmark(SDU) 2007.

3). Research funds for the Peri-urban mangrove forests as filters and potential phytoremediators

of domestic sewage in East Africa project (PUMPSEA). Supported partially the PhD (Marine Biology) by thesis.

4). First Research winner at Collage level, The Collage of Agricultural sciences and Fisheries Technology (CoAF), at University of Dar es salaam Research Week(18th-20th April) held at Mwalimu Nyerere , Mlimani Campus

5). Second Research winner at Collage level, The Collage of Agricultural sciences and Fisheries Technology (CoAF), at University of Dar es salaam Research Week(18th-20th April) held at Mwalimu Nyerere , Mlimani Campus

CONSULTANCY WORK

Member of planning team on: Training for villagers and Municipal staff on systematic monitoring of coastal resources;(mangrove forests, Fisheries resources and sea-grass bed) organized by Kinondoni Integrated Coastal Area Programme (KICAMP) in Dar es salaam, 2001-2003.

Participated in the Assessment of the Status and Vulnerability of shoreline to erosion at Bagamoyo, organized by Tanzania coastal zone Management Programme (TCMP)2003.

Participated in training to Local villagers and Kinondoni Municipal officials on how to monitor the status of mangrove forests for sustainable management. Organized by Tanzania costal zone Management Programme (TCMP)2003

Participated on monitoring program for Ruvuma estuary Mangrove Forest, Mtwara Tanzania. organized by integrated coastal area management(ICAM)July,2003.

LIST OF PUBLICATIONS:

Possible effects of heavy metals pollution on the population structure of Mangrove Periwinkle *Littoraria scabra* (Linneaus 1758) a Thesis Submitted for partial fulfillment of Masters of science degree in Ecological marine management (Oct,1999) by **Shadrack Ulomi**

De wolf, **S. Ulomi**, T .Backeljau, H.B. Pratap and R. Blust (2001)Heavy metal levels in sediments of four Dar-Es-salaam mangroves , accumulation and effect on the morphology of periwinkle, *Littoraria scabra* (Mollusca: Gastropoda) *Journal of environmental International* **26(2001) 243-249**

S. Bouillon, J. J. Middelburg, F. Dehairs, A. V. Borges, G. Abril, M. R. Flindt, **S. Ulomi**, and E. Kristensen,(2007.): Importance of intertidal sediment processes and porewater exchange on the water column biogeochemistry in a pristine mangrove creek (Ras Dege, Tanzania) *Journ.Biogeosciences*, **4**, 311–322,

Erik Kristensen¹, Mogens R. Flindt, **Shadrack Ulomi**, Alberto V. Borges³, Gwenaël Abril, Steven Bouillon.(2008): Emission of CO₂ and CH₄ to the atmosphere by sediments and open waters in two Tanzanian mangrove forests. *Mar Ecol Prog Ser* . 370: 53–67,

Mangion,P., **Ulomi**, S., Machiwa, J. F., Brion, N., Baeyens, W., Dehairs,F. & Kristensen, E. (2007): Contribution of denitrification to the benthic nitrogen cycling in a pristine and a human-impacted Tanzanian mangrove system. A paper presented in the WIOMSA symposium Durban, S. Africa July, 2007.

Kristensen, E., Njau, K. N., Mangion, P., **Ulomi**, S., Andersen, M. S., Flindt, M. R., Mlingi,A. & Kipoki, E. (2007): Nutrient removal efficiency in mangrove mesocosm (Jangwani, Tanzania) exposed to different domestic sewage loadings. A paper presented in the WIOMSA symposium Durban, S. Africa July, 2007.

Erik Kristensen, Perrine Mangion, Min Tang, Mogens R. Flindt, Marianne Holmer, Shadrack Ulomi(2011) Microbial carbon oxidation rates and pathways in sediments of two Tanzanian mangrove forests. *Biogeochemistry* 103:143–158

EXTRA CURRICULAR ACTIVITIES

- 1) Sports: Swimming, Table Tennis, volley ball.
- 2) Personal interests: Reading News papers, watching TV. and listening to music.