

CURRICULUM VITAE

1. PERSONAL DATA

Name: Siajali Pamba Zegge

Nationality: Tanzanian

Name of place and date of birth: Muleba-Kagera, 23rd November, 1977

College: Agricultural Sciences and Fisheries Technology (CoAF)

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2. EDUCATION

Qualification	Date	Universities/Colleges/School
Ph.D	2009-2015	University of Dar es Salaam, Tanzania
M.Sc.in Environmental Eng.	2005-2008	University of Dar es Salaam, Tanzania
B.Sc. in Environmental Eng.	2000-2004	University of Dar es Salaam, Tanzania
Form Six Certificate (PCM)	1997-1999	Tabora Boy's High School, Tabora, Tanzania
Form Four Certificate	1993-1996	Bwiru Boy's Technical School, Mwanza, Tanzania

3. ACADEMIC POST HELD AT UNIVERSITY OF DSM

Post	Dates
Tutorial Assistant	November, 2006 – 2008
Assistant Lecturer	January, 2009 – 2015
Lecturer	December, 2015-up to date

4. ADMINISTRATIVE POSTS HELD AT UNIVERSITY OF DSM

- i. Examination officer- College of Agricultural Sciences and Fisheries Technology (CoAF)
- ii. Coordinator and Financial Planning – College of Agricultural Sciences and Fisheries Technology.

5. PROFESSIONAL AFFILIATION:

- Registration Engineering Board (ERB)- 2004
- Constructed Wetland and Waste Stabilization Ponds (CW&WSP)-2004
- Western Indian Ocean Marine Sciences Association (WIOMSA) - 2009

6. AWARDS:

- i. Department of Environmental Engineering-UDSM, for the best Environmental project work-**2004**
- ii. Quarry life Award- Tanzania Portland Cement Company Limited, for the best idea of Rehabilitation of Mining sites project-**2014**
- iii. Quarry life Award- Tanzania Portland Cement Company Limited, for Developing Ecological modelling for estimating biodiversity in quarries-**2016**

7 CONSULTANCIES/PROJECT/RESEARCHES

Developing Tanzania Standard for Marine/ underwater Noise pollution: TBS from December 2017- to date.

Participating in the Regional Survey on Pelagic Resources and the Ecosystem off the Pelagic Ecosystem off East Africa, Mozambique from 12 February -19 March 2018, under EAF-Nansen Programme of FAO

Developing Core capacity to Address Adaptation to climate Change in Productive Coastal Zone of Tanzania- 2015-2017, Funded by Vice President's Office

Investigation of Dispersion and Transport pattern of Suspended Particulate Matter in Estuaries of Tanzania-2009-2012, Funded by WIO-RISE.

Feasibility study for waste water management plan for Tobacco Processing Factory at Kiwanja chandege ward in Morogoro Municipality-January 2015, funded by TPPL.

Designing and Construction of Constructed Wetland for Wastewater Treatments at Saint Anthony Secondary School Mbagala-2015, Funded by St. Anthony Sec. School.

The Integrated process for wastewater treatment from Agro-based industries, at Banana Investments Limited, 2013-2015, Funded by Bio-Innovate

Designing and construction of Constructed Wetlands for treatment of Morogoro Municipal Wastewater-2013, funded by COSTECH.

Designing and construction of Iringa girls Secondary School Constructed Wetland for wastewater treatment at Iringa Municipal -2013, funded by VLIR and Iringa girls Secondary School.

Review of Horizontal Subsurface Flow Constructed Wetlands Design Manual for Domestic Wastewater treatment-2013 Funded by VLIR

Health risk assessments of people using municipal waste water (waste stabilization ponds and/or constructed wetlands) - for agriculture and aquaculture: 2012- 2013: Funded by VLIR

Construction of Wastewater treatment systems at Shimo la Tewa Prison- Mombasa Kenya, 2011.

The study of the quality of ground water at Dar es Salaam and Coastal Region- 2004-2005, Funded by JICA.

Designing storm water drainage, and Constructed wetlands at Bombo Hospital- 2005, Funded by Tanga Sustainable Development.

The potential use of mangrove constructed wetland for domestic wastewater treatment: A case of nitrogen removal M.Sc (Eng.) Research - 2005-2008

Environmental Management of TAZAMA crude oil storage tanks, case study: Kigamboni Final year (B.Sc.) project, 2004.

8 TEACHING/SUPERVISION

Courses: Marine Biogeochemistry AQ 231- University of Dar es Salaam
 Oceanography AQ 233 – University of Dar es Salaam
 Swimming and Survival in water AQ 123- UDSM
 Solid Waste Management and Technology EE 352- Ardhi University
 Pumps and Pumping Stations – EE 336- Ardhi University

Supervision: 2 PhD students and 10 Undergraduate students

9. CONFERENCES AND TRAINING WORKSHOPS ATTENDED

- 9.1** Conference of Rural Water Supply and Sanitation Project- Singida-Tanzania 10th -12th , November 2004.
- 9.2** Conference of Mangrove constructed wetland for Domestic Wastewater treatment in East Africa (PUMPSEA)- Maputo-Mozambique. 20th- 25th February, 2006
- 9.3** Training course on Application of Computer modeling on Coastal waters, IMS-Zanzibar-Tanzania: 5th -14th March, 2007.
- 9.4** Training course on Disaster management and Risk Reduction for sustainable development, UCLAS-Dar es Salaam- Tanzania. 10th-13th February, 2004.
- 9.5** The role of Constructed wetlands and waste stabilization ponds in handling of Toxic substance in the environment-IRA-Dar es Salaam, Tanzania. 5th-9th February, 2007.
- 9.6** A training course on effective teaching methods in higher learning institutions CCE-UDSM, Tanzania, 17th-21st September, 2007.
- 9.7** Advance training course on effective teaching methods for higher learning institutions. CCE-UDSM, Tanzania. 15th-19th January, 2002.

- 9.8 Modelling of Nitrogen transformation in mangrove constructed wetland by using STELLA program- UDSM, Tanzania. 7th -15th January, 2008.
- 9.7 Short course on Writing Academic Research Proposal in Higher learning institutions-CCE-UDSM, Tanzania.12th-14th March 2008.
- 9.8 1st Training workshop on E-Learning for Integrated Watershed Management-University of Dar es Salaam Tanzania. 14th-18th July 2008
- 9.9 A Training Course on Advance Teaching Methodology. CCE-University of Dar es Salaam. Tanzania 15th -19th September, 2008
- 9.10 1st training course Field IT for East Africa: Digital Methods for recording scientific research directed at sustainable water basin management-Lake Naivasha, Kenya. 23rd November-7th December, 2008
- 9.11 2nd Training Workshop on E-learning for Integrated Watershed Management-Dar es Salaam, Tanzania. 24th January-1st February 2009.
- 9.12 Short course on writing study materials for Open distance learning (ODL), Tanga, Tanzania. 19th – 24th July 2009
- 9.13 Capacity Building training, design aspect, operation and maintenance of constructed wetland systems. 12-16 January, 2010, Mombasa- Kenya
- 9.14 Scientific Training course on Physical Oceanography Operational, UCT, South Africa: 13rd June-1st July 2011.
- 9.15 Scientific symposium (7th WIOMSA symposium) Mombasa, Kenya. 24th-29th October, 2011
- 9.16 Training Workshop on Coral Reefs Monitoring and Operational Oceanography Conducted at the Institute of Marine Sciences, Zanzibar 13th-24th August, 2012.
- 9.17 Scientific symposium (8th WIOMSA symposium) Maputo, Mozambique 28th -3rd Nov., 2013
- 9.18 Training Workshop on Problem Based Learning and e-learning, Morogoro 21-23 April, 2015.
- 9.19 Scientific symposium (9th WIOMSA symposium) Durban, South Africa 23rd -1st Nov., 2015
- 9.20 Scientific symposium (10th WIOMSA symposium) Dar 30 October -4 November, 2017

10. PUBLICATIONS/REPORTS:

- (i) **Pamba, S.** (2008) Waste management (OEV 311) Extended course outline for The Open University Tanzania, OUT-Dar es Salaam
- (ii) **Pamba, S.** (2010) Supervised reading (OEV 311) extended course outline for The Open University of Tanzania, OUT-Dar es Salaam
- (iii) Njau, K.N, Chacha, N., and **Pamba, S.** (2010) *Construction Instruction Manual for Constructed Wetlands*. Dar es Salaam University Press, ISBN: 978-9976 -60-511-2
- (iv) Shaghude, Y.W and **Pamba, S.** (2011) Report on the status of Beach Erosion at Uroa Bay Beach Zanzibar.
- (v) **Pamba, S.** (2013) Dissemination of the Sustainable Wastewater Technology of Constructed Wetlands in Tanzania
- (vi) **Pamba, S.**, Shaghude, Y.W and Muzuka, A.N.N. (under reviewing process) Variability in Salinity and Deposition of Suspended Particulate Matter in the Pangani Estuary, Tanzania. The manuscript submitted to the International Journal of Ocean and Oceanography.
- (vii) **Pamba, S** (2014) The Potential Use of Aquatic Ecosystem for Enhancement of Rehabilitation of Mining Site: A Case of Wazo Hill, Tanzania. A report submitted to Tanzania Portland Cement Company Limited for Quarry life competition.
- (viii) **Pamba, S.**, Shaghude Y.W and Muzuka, A.N.N (2016) Hydrodynamic Modelling on Transport, Dispersion and Deposition of Suspended Particulate Matter in Pangani Estuary, Tanzania. The World Estuaries (Springer. 2016)

Signature:



Date: 28th May, 2018