



Our Vision

To be a premier University that is globally visible in knowledge generation and technological innovations

Our Mission

To Provide high quality Education and training, in Science, Agriculture and Technology that promotes networking, partnerships and linkages with other institutions and industry



University of Eldoret -ISO 9001:9001:2015 Certified



DEPARTMENT OF FISHERIES AND AQUATIC SCIENCES

GRADUATE SEMINAR PRESENTATIONS

**VENUE: UNIVERSITY OF ELDORET
EDUCATION COMPLEX**

20TH – 21ST AUGUST 2019

To provide high quality training and outreach programmes in fisheries and aquatic science technologies for increased food security in the region



University of Eldoret-ISO 9001:9001:2015 Certified

20th August 2019

Session 1 Chair: Prof. Julius Manyala

9: 00 - 9: 30 am

Dr. Frank Masese

Large mammalian herbivores and the functioning of the Mara River: influence on water quality, ecosystem metabolism, energy sources and flow in food webs.

9:35 - 9:50 am

Lameck Menya SNAT/FAS/M/011/17

Market situation of aquaculture sector in Kenya

9: 55 - 10:10 am

Edwine Yongo SNAT/FAS/P/005/18

Value Addition: A mechanism of improving the utilization of fish products.

10:15 - 10:30 am

Ellen kadeka SNAT/FAS/M/011/18

Biomonitoring of river ecosystem.

10:35 - 10:50 am

Lameck Menya SNAT/FAS/M/011/17

Impact of climate change to sustainable aquaculture.

10:55 - 11:10 am

Ali Makame SNAT/FAS/M/10/18

A review of life history traits of sea horses, *Hippocampus spp*: Implication on Conservation and Aquaculture.

11:15 - 11:30 am

HEALTH BREAK

Session 2 Chair: Dr. James Barasa

11: 35 - 11:50 am

Benjamin kondowe SNAT/FAS/P/001/18

Use of geometric morphometrics for discrimination of *Tropheus duboisi* and *Trachurus picturatus* stocks

2:25 - 2:40 pm:

Victor Okong'o SNAT/FAS/M/011/17

Analysis of cage aquaculture in Lacustrine systems: A case of Kenya L. Victoria.

2:45 - 3:00 pm

Stella Nabayunga SNAT/FAS/M/007/18

Review of value chain analysis of farmed tilapia

3:05 - 3:20 pm

Riziki Walumona: SNAT/FAS/M/P/003/18

Modelling of Lake Kivu water balance: challenges and possible solutions

3:25 - 340 pm

David Kemboi SNAT/FAS/M/005/17

Aquaculture a contribution to food security, nutrition, social and economic development in Kenya

3:45 - 4:00 pm

Nakungu Furaha Nelly SNAT/FAS/M/004/18

The use of homons in aquaculture and their impacts on consumers health

4:05 - 4:20 pm

Adiang Evans SNAT/FAS/M/014/18

Cage culture in Lake Victoria

2:25 - 4:40 pm

Julie Bwoga SNAT/FAS/M/008/17

A review Monogenean parasite diversity in cultured Nile tilapia.

11:15 - 11:45 am	HEALTH BREAK	11:55 - 12:10 pm	David Kemboi SNAT/FAS/M/005/17 Contribution of capture fisheries in growth of ornamental fish industry: A case of Haplochromines of L. Victoria
11: 50 - 12: 05 pm	Josiah Ani Sabwa NRM/DPHIL/FIS/011/18 Technical feasibility and economic profitability of aquaponic systems in developing nations	12:15 - 12:30 pm	Alfred Achieng SNAT/FAS/P/001/17 The theory of size-spectrum models
12:10 - 12:25 pm	James Bundi NRM/DPHIL/FIS/003/09 Current status, opportunities and challenges of ornamental fishery in Kenya	12:35 - 12:50 pm	Josiah Ani Sabwa NRM/DPHIL/FIS/011/18 Advances in fish feed nutrition: Challenges associated with use of alternative protein sources
12:30—12:45 pm	Evans Lomodei SNAT/FAS/P/002/18 Biology and exploitation status of the sympatric <i>Brycinus nurse</i> and <i>Brycinus forex</i>	12:55 - 1:10 pm	James Bundi Mugo NRM/DPHIL/FIS/03/09 Water exchange and stocking density on performance of African catfish larviculture in aquaponics system
12:50 - 1:05 pm	Augustine Sitati SNAT/FAS/M/10/17 Functional feeding of aquatic macroinvertebrates in tropical streams and rivers: A review of existing literature in tropical functional assignment	1:15 - 2:00 pm	LUNCH BREAK Session 3 Chair: Dr. Simon Agembe
1:10 - 2:00 pm	LUNCH BREAK Session 3 Chair: Dr. Frank Masese	2:05 - 2:20 pm	Evans Lomodei SNAT/FAS/P/002/18 Advances in fisheries acoustics and its application to sustainable fisheries management
2:05 - 2:20 pm	Masresha Birara SNAT/FAS/M/008/18 The intensity of human-induced impacts on the distribution and diversity of macro invertebrates and water quality of Gbako River, North Central, Nigeria respectively	2:25 - 2:40 pm	Augustine Sitati SNAT/FAS/M/10/17 A review of macroinvertebrates DNA barcoding as an improvement to performance of traditional stream bio-assessment metrics

- 2:45 - 3:00 pm** **Masresha Birara** SNAT/FAS/M/008/18
The Ecological and socio-economic impacts of invasive water hyacinth (*Eichhornia crassipes*): in Ethiopia.
- 3:05 - 3:20 pm** **Nakungu Furaha Nelly** SNAT/FAS/M/004/18
Environmental impact of aquaculture
- 3:25 - 3:40 pm** **Charles Muthama** NRM/PGFI/002/14
Microplastics pollution in marine water: A potential worldwide disaster.
- 3:45 - 4:00 pm** **Julie Bwoga** SNAT/FAS/M/008/17
A review of Aquaculture Development in Kenya .
- 4:05 - 4:20 pm** **Victor Okong'o** SNAT/FAS/M/011/17
Sustainability of constructed wetlands in liquid waste management.
- 4:25 - 4:40 pm** **Stella Nabayunga** SNAT/FAS/M/007/18
Analysis of Aquaponics as an emerging Technology Innovation.
- 4:45 - 5:00 pm** **Adiang Evans** SNAT/FAS/M/014/18
Evaluation of cyanobacteria microcystis toxicity in commercial fishes from Nyanza Gulf Lake Victoria.
- 5:05 - 5:20 pm** **Riziki Walumona:** SNAT/FAS/M/P/003/18
Nutritional value of *L. miodon* and *L.tanganicanus* introduced in Lake Kivu.

Session 1 Chair: Prof Boaz Kaunda-Arara

- 9: 00 - 9: 30 pm** **Edwine Yongo** SNAT/FAS/P/005/18
Ecopath-Ecosim (EwE) model: As a tool for fisheries management
- 9:35 - 9:50 am** **Ellen kadeka** SNAT/FAS/M/011/18
The effects of land use changes on streams and rivers
- 9: 55 - 10:10 am** **Charles Muthama** NRM/PGFI/002/14
The potential of Sea urchin as food for human in coastal Kenya
- 10:15 - 10:30 am** **Ali Makame** SNAT/FAS/M/10/18
Influence of Environmental variability on catches of Small Pelagic Fishes: A review
- 10:35 - 10:50 am** **Benjamin kondowe** SNAT/FAS/P/001/18
Trophic modelling in lake: Case of Lake Malawi
- 10:55 - 11:10 am** **Alfred Achieng** SNAT/FAS/P/001/17
Size-spectrum as an indicator of riverine ecosystem degradation; Lake Victoria Basin.