

**CURRICULUM VITAE**  
**DR. JULIUS KIOKO NZEVE, PhD**



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**1.0 PERSONAL INFORMATION**

**Designation:** Senior Lecturer/ DEAN, SAEHS  
**Department:** Environmental Sciences  
Machakos University  
P.O. Box 136-90100, Machakos, Kenya  
**Email:** [jnzeve@mksu.ac.ke](mailto:jnzeve@mksu.ac.ke) OR [jnzeve@gmail.com](mailto:jnzeve@gmail.com)  
**Area of Specialization:** Environmental Science (Aquatic Pollution)

**Research Interest:** Environmental Pollution, Natural Resources Management,  
Wetland Science & Management, Environmental Impact  
Assessment & Audits, Environmental sustainability

**Research Affiliations**

**ORCID ID:** <https://orcid.org/0000-0002-1634-708X>

**Research Gate:** <https://www.researchgate.net/profile/Julius-Nzeve>

**Google Scholar:**  
[https://scholar.google.com/scholar?hl=en&as\\_sdt=0%2C5&q=Nzeve+Julius&oq=N](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Nzeve+Julius&oq=N)

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**2.0 EDUCATION AND PROFESSIONAL QUALIFICATION**

**2.1 ACADEMIC**

**UNIVERSITY**

**2011 – 2015:** Doctor of Philosophy in Environmental Science (Aquatic Pollution), Kenyatta University, Nairobi, Kenya

**2002 – 2005:** Master of Philosophy in Fisheries, Moi University, Eldoret, Kenya

**1990 – 1995:** Bachelor of Science in Natural Resources Management (Second Class Honours – Upper Division), Egerton University, Kenya

**2.1 PROFESSIONAL COURSES**

**OCTOBER 2013:** Environmental Impact Assessment & Environmental Audit, Africa Nazarene University, Nairobi

**SEPT – OCT, 2012:** International Course on African Wetland Management, Kenya Wildlife Training Institute, Naivasha

**FEBRUARY 2012:** Senior Management Course, Government Training Institute, Mombasa

**JULY – AUG 2011:** Fisheries Technology and Policy for African Countries, Pukyong National University, Busan, South Korea

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### 3.0 EMPLOYMENT AND WORKING EXPERIENCE

#### 3.1 UNIVERSITY /COLLEGE

**April 2023 – to Date:** Senior Lecturer, Department of Environmental Sciences, Machakos University

**May 2016 to March 2023:** Lecturer, Department of Environmental Sciences, Machakos University

**Duties & Responsibilities**

- ❖ Teaching/training and associated activities
- ❖ Conducting research
- ❖ Participation in Community service/outreach
- ❖ Offering management support and serving in various committees

**January 2014 – to August 2022:** Part – Time lecturer, Department of Environmental Science, Kenyatta University

**Duties & Responsibilities**

- ❖ Teaching undergraduate and postgraduate students
- ❖ Setting, moderation and marking end of semester examinations
- ❖ Supervising graduate students

**January 2014 – August 2016:** **Part- time Lecturer** Department of Environment & Natural Resources Management, Africa Nazarene University

**Duties & Responsibilities**

- ❖ Teaching undergraduate and postgraduate students
- ❖ Supervising undergraduate and graduate students
- ❖ Setting, moderation and marking of end of semester examinations

July 2012 – To October 2013: **Part- time Lecturer** (Fisheries & Aquatic Sciences), Kenya Wildlife Training Institute, Naivasha – Kenya

**Duties & Responsibilities**

- ❖ Teaching Certificate and Diploma students pursuing Aquaculture & Aquatic Sciences

#### 3.1.1 ADMINISTRATIVE AND ACADEMIC MANAGEMEMENT RESPONSIBILITIES

1) **28<sup>th</sup> April 2022 to Date:** Dean, School of Agriculture, Environment and Health Sciences

**Duties & Responsibilities**

- ❖ Head of the school and administration of university policies at the school level
- ❖ Academic and administrative head of the school
- ❖ Coordination of Chairmen of Departments and staff in the school in curriculum development, review and evaluation

- ❖ Attending Deans' committee meetings, university Academic Board meetings and other meetings
- ❖ Preparation of school budget, procurement and making draft estimates for onward transmission to the Chief Finance Officer
- ❖ Identify, rationalize and make recommendations on the training needs of the members of staff in the school
- ❖ Manage the resources (human, financial and material) and to facilitate achievement of objectives at minimum cost
- ❖ Coordinate performance appraisal within the school

2) **September 2017 to 28<sup>th</sup> April 2022:** Acting Dean, School of Environment and Natural Resources Management

**Duties & Responsibilities**

- ❖ Head of the school and administration of university policies at the school level
- ❖ Academic and administrative head of the school
- ❖ Coordination of Chairmen of Departments and staff in the school in curriculum development, review and evaluation
- ❖ Attending Deans' committee meetings, university Academic Board meetings and other meetings
- ❖ Preparation of school budget, procurement and making draft estimates for onward transmission to the Chief Finance Officer
- ❖ Identify, rationalize and make recommendations on the training needs of the members of staff in the school
- ❖ Manage the resources (human, financial and material) and to facilitate achievement of objectives at minimum cost
- ❖ Coordinate performance appraisal within the school

**3.2 CIVIL SERVICE**

**January 2011 – April 2016:** Principal Fisheries Officer, Department of Fisheries, Machakos

**Duties & Responsibilities**

- ❖ Deployed as District Fisheries officer/County Director of Fisheries in Charge of Fisheries Development & Management in Machakos County
- ❖ Enforcement of fisheries rules and regulations
- ❖ Conservation and protection of the aquatic resources and their environment
- ❖ Management of capture fisheries and related infrastructure
- ❖ Market development, value addition and fish trade
- ❖ Fisheries Extension services and development

**Dec 2008 – Dec 2010:** Chief Fisheries Officer, Department of Fisheries, Machakos

**Duties & Responsibilities**

- ❖ Deployed as District Fisheries officer in Charge of Fisheries Development & Management in Machakos County

**June 1998 – November 2008:** Fisheries officer/Senior Fisheries Officer

**Duties & Responsibilities**

- ❖ Deployed as Deputy District Fisheries Officer/District Fisheries Officer, in charge of Fisheries Development and Management in Murang'a and Maragua districts

August 1997 – May 1998: Fisheries Officer, Department of Fisheries, Ministry of Tourism and Wildlife, Headquarters, Nairobi

August 1996 – August 1997: High School Teacher, Masii SDA Secondary school

Duties & Responsibilities

- ❖ Teaching Biology and Chemistry

## 4.0 RESEARCH AND PUBLICATIONS

### 4.1 PUBLICATIONS IN REFEERED JOURNALS

S/No	Title and Journal
1	Julius Nzeve, Patricia Muendo, Mary Opiyo, Rezin Odede & William Leschen (2022) Fish health knowledge, management practices and prophylactic health products usage in aquaculture systems in Kenya, <i>Journal of Applied Aquaculture</i> , DOI: <a href="https://doi.org/10.1080/10454438.2022.2155500">10.1080/10454438.2022.2155500</a>
2	Koikai J. N, Kitur, E and Nzeve J.K (2022). Physico-chemical and bacteriological quality of Mbagathi River, Kajiado County, Kenya. <i>International Journal of Innovative Science and Research Technology</i> . Volume 7, Issue 7, July – 2022 <a href="https://www.ijisrt.com/assets/upload/files/IJISRT22JUL691_(1)_(1).pdf">https://www.ijisrt.com/assets/upload/files/IJISRT22JUL691_(1)_(1).pdf</a>
3	Kimoni, M. N., Nzengya, D. M., & Nzeve, J. K. (2022). Smallholder Farmers' Perception, Level of Awareness and Adaptation to Climate Change in Masinga Sub County, Machakos County, Kenya. <i>African Multidisciplinary Journal of Research</i> , 7(1), 159–172. <a href="https://journals.spu.ac.ke/index.php/amjr/article/view/124">https://journals.spu.ac.ke/index.php/amjr/article/view/124</a>
4	Gakaria Ngonyo Mercy and Julius Kioko Nzeve (2021). Assessment of Water Quality in Selected Dams in Machakos Municipality, Kenya. <i>Journal of Environment and Earth Science</i> . Vol.11, No.10, 2021, pp.33-42 <a href="https://www.iiste.org/Journals/index.php/JEES/article/view/57445">https://www.iiste.org/Journals/index.php/JEES/article/view/57445</a>
5	Julius Kioko Nzeve and Sydney Likhumba Ikubano (2021). Heavy Metals and Macronutrients Concentrations in Sewage Sludge Obtained from Decentralized Treatment Facility, Machakos Town, Kenya. <i>Journal of Health and Environmental Research</i> . Vol. 7, No. 2, 2021, pp. 105-110. <a href="http://dx.doi.org/10.11648/j.jher.20210702.13">http://dx.doi.org/10.11648/j.jher.20210702.13</a>
6	Julius Kioko Nzeve and Andrean Mutuku Matata (2021). Assessment of Water Quality in Kalundu Stream and Kalundu dam in Kitui County, Kenya. <i>Journal of Environment and Earth Science</i> . Vol.11, No.1, 2021, pp.36-40 <a href="https://www.iiste.org/Journals/index.php/JEES/article/view/55282">https://www.iiste.org/Journals/index.php/JEES/article/view/55282</a>
7	Julius K. Nzeve and Grace Nduta Mbate (2021). Assessment of Ground Water

	Quality in Mumbuni Estate, Machakos Town, Kenya. <i>Journal of Health and Environmental Research</i> . Vol. 7, No. 1, 2021, pp. 7-11. <a href="http://dx.doi.org/10.11648/j.jher.20210701.12">http://dx.doi.org/10.11648/j.jher.20210701.12</a>
8	Tomno, R M., Kitulu, L., Nzeve, J.K., Waswa, F., Mailu S.N and Shitanda, D (2020). Heavy Metal Concentrations in Vegetables Cultivated and Sold in Machakos Municipality, Kenya. <i>J. Appl. Sci. Environ. Management</i> Vol. 24 (12) 2027-2034 December 2020. DOI: <a href="https://dx.doi.org/10.4314/jasem.v24i12.3">https://dx.doi.org/10.4314/jasem.v24i12.3</a>
9	Rose M. Tomno., <b>Julius K. Nzeve.</b> , Stephen N. Mailu., Douglas Shitanda and Fuchaka Waswa (2020). Heavy metal contamination of water, soil and vegetables in urban streams in Machakos municipality, Kenya. <i>Scientific African</i> Volume 9 September 2020 e00539 <a href="https://doi.org/10.1016/j.sciaf.2020.e00539">https://doi.org/10.1016/j.sciaf.2020.e00539</a>
10	Kitulu, L., Nzeve, J. K., Waswa, F., Kitur, E., & Shitanda, D. (2020). Irrigation water quality analysis of Mitheu Stream in Machakos Municipality, Kenya. <i>African Journal of Environmental Science and Technology</i> , 14(9), 241-249. <a href="https://doi.org/10.5897/AJEST2020.2849">https://doi.org/10.5897/AJEST2020.2849</a>
11	Cornelius Okello., Nicolas Greggio., Beatrice Maria Sole Giambastiani., Nina Wambiji., <b>Julius Nzeve</b> and Marco Antonellini (2020). Modelling Projected Changes in Soil Water Budget in Coastal Kenya under Different Long-Term Climate Change Scenarios. <i>Water</i> 2020, 12, 2455; <a href="https://doi.org/10.3390/w12092455">https://doi.org/10.3390/w12092455</a>
12	Kanuku, S. K., Nzyengy'a, D. M., Vundi, N., & Nzeve, J. K. (2020). Effectiveness of solid waste management in Machakos Town, Kenya. <i>The Strategic Journal of Business &amp; Change Management</i> , 7(3), 1039 – 1050. <a href="http://www.strategicjournals.com/index.php/journal/article/view/1725">http://www.strategicjournals.com/index.php/journal/article/view/1725</a>
13	Nyandika, H., Kitur, E., Nzeve, J. K (2020). Selected trace elements evaluation in soil from an urban farming area. <i>International Journal of Human capital in Urban Management</i> 5(3): 187-198, Summer 2020, <a href="http://dx.doi.org/10.22034/IJHCUM.2020.03.01">http://dx.doi.org/10.22034/IJHCUM.2020.03.01</a>
14	<b>Julius Kioko Nzeve</b> and Esther Kitur (2019). Bioaccumulation of heavy metals in Common carp ( <i>Cyprinus carpio</i> ) of Masinga dam, Kenya. <i>Journal of Environmental Science, Toxicology and Food Technology</i> Vol.13 issue 8 ver. II (August 2019), pp 23 – 28. DOI: 10.9790/2402-1308022328 <a href="https://www.iosrjournals.org/iosr-jestft/papers/Vol13-%20Issue%208/Series-2/E1308022328.pdf">https://www.iosrjournals.org/iosr-jestft/papers/Vol13-%20Issue%208/Series-2/E1308022328.pdf</a>
15	Okeyo, A. A., Kitur, E. & Nzeve, J. (2019). Determinants for the purchase of woven products among consumers in Kisumu County, Kenya. <i>International Academic Journal of Social Sciences and Education</i> , 2(2), 1-25 <a href="https://www.iajournals.org/articles/iajsse_v2_i2_1_25.pdf">https://www.iajournals.org/articles/iajsse_v2_i2_1_25.pdf</a>
16	Theuri O.W., Kitur E., Ngugi C.C., Mwangi B. M and Nzeve J.K (2019). Impact of aquaculture development on water quality of fish ponds in Gatundu North and

	south sub-counties, Kenya. <i>International Journal of Fisheries and Aquatic Studies</i> 2019; 7(4): 01-06 <a href="https://www.fisheriesjournal.com/archives/2019/vol7issue4/PartA/7-2-24-357.pdf">https://www.fisheriesjournal.com/archives/2019/vol7issue4/PartA/7-2-24-357.pdf</a>
	<i>TOTAL PUBLICATION POINTS SINCE BECOMING A LECTURER</i>
17	<b>Nzeve J. Kioko.</b> , Njuguna S. Gichuki and Kitur E. Chepkoech (2015). Assessment of Heavy Metal Contamination in Surface Water of Masinga Reservoir, Kenya. <i>Journal of Natural Sciences Research</i> Vol.5, No. 2, 2015 pp 101 – 108 <a href="https://www.iiste.org/Journals/index.php/JNSR/article/view/19269">https://www.iiste.org/Journals/index.php/JNSR/article/view/19269</a>
18	Nzeve J. Kioko., Kitur E. Chepkoech and Njuguna S. Gichuki (2014). Determination of Heavy Metals in Sediments of Masinga Reservoir, Kenya. <i>Journal of Environment and Earth Science</i> Vol. 4, No. 20, 2014 pp 125 – 132 <a href="https://iiste.org/Journals/index.php/JEES/article/download/16643/17018">https://iiste.org/Journals/index.php/JEES/article/download/16643/17018</a>
19	<b>Nzeve, J.K.</b> , Njuguna, S. G and Kitur, E.C. (2014). Bioaccumulation of Heavy Metals in <i>Clarias gariepinus</i> and <i>Oreochromis spirulus niger</i> from Masinga Reservoir, Kenya. <i>IOSR Journal of Environmental Science, Toxicology and Food Technology</i> Vol.8 issue 10 ver. 1(Oct.2014), pp 58 – 63. Doi: 10.9790/2402-081015863 <a href="https://www.iosrjournals.org/iosr-jestft/papers/vol8-issue10/Version-1/G081015863.pdf">https://www.iosrjournals.org/iosr-jestft/papers/vol8-issue10/Version-1/G081015863.pdf</a>

#### 4.2 SCHOLARLY PRESENTATIONS AT CONFERENCES/WORKSHOPS/SEMINARS

	Scholarly presentation at Conferences/Workshops/Seminars
1	Petronila Adhiambo and <b>Julius Nzeve (2022)</b> . Assessment of water quality from Manza river in Machakos town, Kenya. Paper presented at 4 <sup>th</sup> International Conference, Machakos University 28 – 30 <sup>th</sup> June, 2022, Machakos, Kenya
2	Sabina Emilly Dimba and <b>Julius Nzeve (2022)</b> . Assessment of heavy metal concentrations in Nile tilapia ( <i>Oreochromis niloticus</i> ) from an urban stream in Machakos town, Kenya. Paper presented at 4 <sup>th</sup> International Conference, Machakos University 28 – 30 <sup>th</sup> June, 2022, Machakos, Kenya
3	Mercy Mulyungi and <b>Julius Nzeve (2022)</b> . Assessment of toxic heavy metals in sewage sludge from Decentralized Treatment Facility in Machakos town, Kenya. Paper presented at 4 <sup>th</sup> International Conference, Machakos University 28 – 30 <sup>th</sup> June, 2022, Machakos, Kenya
4	Kitulu Linge, <b>Nzeve Julius</b> , Waswa Fuchaka, Kitur Esther & Shitanda Douglas (2021): Heavy Metals and Bacteriological Contamination of Mitheu Stream in Machakos Municipality, Kenya. Paper presented at 3 <sup>rd</sup> International Conference, Machakos University 22 – 25 <sup>th</sup> June, 2021, Machakos, Kenya
5	Tomno Rose, <b>Nzeve Julius</b> , Mailu Stephen, Shitanda Douglas and Waswa Fuchaka (2021): Heavy Metal Contamination in Water, Soil and Vegetables in Urban Streams in Machakos Municipality, Kenya. Paper presented at 3 <sup>rd</sup> International Conference,



	Machakos University 22 – 25 <sup>th</sup> June, 2021, Machakos, Kenya
6	<b>Nzeve, J.K</b> , Kitur, E.C and Njuguna S. G (2018). Bioaccumulation of Heavy Metals in Common Carp ( <i>Cyprinus Carpio</i> ) from Masinga dam, Kenya. Paper presented at 1 <sup>st</sup> International Conference, Machakos University 17 – 19 <sup>th</sup> April, 2018, Machakos, Kenya
7	<b>January, 2019:</b> One day stakeholders’ workshop on Evaluating costs and benefits on propylitic health products and novel alternatives on Smallholder aquaculture farmers in Asia and Africa (IMAQulate) project ( <b><i>Presented paper on IMAQulate research findings on – Fish health Management practices in Kenya</i></b> )
8	Ngugi, C.C., <b>Nzeve, J.K</b> and Bowman, J.R (2004). Growth and Survival of African Catfish ( <i>Clarias gariepinus</i> ) Larvae fed on <i>Artemia</i> Nauplii, Freshwater Rotifers and whole freeze-dried Cylops in indoor tanks. Paper presented at the <i>World Aquaculture Conference</i> (WAS, AQUA 2004) Hawii, Honolulu, USA, March 2004

## 5.0 CONFERENCES, WORKSHOPS AND SEMINARS

### 5.1 PARTICIPATION IN CONFERENCES

- 24<sup>th</sup> – 25<sup>th</sup> Nov, 2022: 1<sup>st</sup> EIK National Environmental Conference. Theme: Can planet earth remain afloat for intergenerational equity? Our obligation, at Panari Hotel, Nairobi Kenya. (***Certificate of Attendance***)
- 28<sup>th</sup> – 30<sup>th</sup> June 2022: Machakos University 4<sup>th</sup> Annual International Conference. Theme:” *Promoting sustainable development through disruptive research and innovation*. Machakos University Hotel and Conference Centre, Machakos, Kenya. (***Presented three research papers***)
- 22<sup>nd</sup> - 25<sup>th</sup> June, 2021: **Moderator**, Machakos University 3rd Annual International Conference. Theme:” *Responding to Emerging Global Challenges through Research, Innovation and Technology for Sustainable Development*”. Machakos University Hotel and Conference Centre, Machakos, Kenya.
- 24<sup>th</sup> - 26<sup>th</sup> April, 2019: **Session Chair/Rapporteur**, Machakos University 2nd Annual International Conference. Theme:” *Supporting Green Growth and Knowledge Economy through Research, Innovation and Technology for Sustainable Development*”. Machakos University Hotel and Conference Centre, Machakos, Kenya.
- 26<sup>th</sup> – 28<sup>th</sup> Nov, 2018: Global Sustainable Blue Economy Conference, Kenyatta International Conference Centre, Nairobi, Kenya
- 17<sup>th</sup> – 19<sup>th</sup> April, 2018: Machakos University 1<sup>st</sup> International Conference on ‘Harvesting

Scientific Research, Innovation & Technology for Sustainable Development' Machakos University Hotel and Conference Centre, Machakos, Kenya (*Presented a research paper*)  
**Session Chair/Rapporteur: Sub Theme: 'Agriculture, Food Security and Agribusiness for Community Transformation'**

## 5.2 WORKSHOPS/SEMINARS AND COMPETENCY TRAININGS ATTENDED

1. **November 2021:** For attending one-day Environmental Institute of Kenya (EIK) Webinar on Environmental Management Systems – ISO 14001:2015 on 11<sup>th</sup> November 2021.
2. **February 2021:** One-day virtual training workshop on accounting for research & innovation funds, research licensing and institutional affiliation, Machakos University.
3. **November, 2020:** Research ethics and standards seminar in the wake of Covid-19 pandemic, held virtually at Machakos university
4. **September, 2020:** One-day virtual Intellectual property training on leveraging Machakos University capabilities to harness talents to respond to the challenges of Covid-19 and other pandemics
5. **September, 2020:** One-day workshop on writing a grant winning proposal held virtually at Machakos University
6. **October 2019:** Three days' fish farmers' training/stakeholders' workshops on Sustainable New Ingredients to Promote Health (SNIPH) project, held at Nokras Hotel, Sagana, Kenya. (*Participated as a trainer/presented research findings*)
7. **June, 2020:** One-day training course on ISO 27001:2013 on information security awareness, held virtually at Machakos University
8. **May 2019:** One day NDMU disaster training seminar held at Machakos University
9. **March 2019:** Two days training on public procurement by Public Procurement & Regulatory Authority (PPRA) held at Machakos University
10. **March 2019:** Capacity building training on Complaints handling mechanism and access to information by Commission on Administrative Justice (CAJ) held at Machakos university
11. **September 2019:** Two days training on ISO 9001: 2015 Quality Management System Implementers Refresher Course at Machakos University (*Certificate awarded*).
12. **October 2018:** Three days training on Resource Mobilization and Grant Writing Course, at Machakos university (*Certificate awarded*)
13. **November 2017:** Two days training on ISO 9001: 2015 Quality Management System Implementation Course at Machakos University (*Certificate awarded*)



14. **July 2015:** 30th Kenyatta University Postgraduate Seminar, held at Kenyatta university (*Certificate of attendance awarded*).
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## **7.0 SUPERVISION OF POSTGRADUATE STUDENTS**

### **7.1 MASTERS STUDENTS**

#### **7.1.1 COMPLETED/GRADUATED**

1. Diida Karayu Wario (16J02DMEV001). Disaster Risk Management Strategies on the Well-being of the Communities in the Arid and Semi-Arid lands of Uran Division IN Marsabit County, Kenya. Master of Science in Environment and Natural Resources Management, Africa Nazarene University (*Graduated in October, 2018*).
2. Hezekiah Okioma Nyandika (N50/CTY/PT/32733/2015). Assessment of Selected Trace Element in Soil and Vegetables (*Spinaca oleracea*) Ruai, Nairobi City County, Kenya. Master of Environmental Science, Kenyatta University (*Graduated in December, 2020*).
3. Justus Mutavi Mutiso (16J01DMEV005). Factors influencing farmers' adoption of irrigation water management practices and technologies along Ng'areng'iro River in Laikipia County, Kenya. Master of Science in Environment and Natural Resources Management, Africa Nazarene University (*Graduated in December, 2020*).
4. Marrietar Ndinda Kimoni (MDSMKS690118). Smallholder farmers' Adaptation to Climate Change in Masinga Sub County, Machakos County, Kenya. Master of Arts in Developmental Studies, St. Pauls University (*Graduated in November, 2021*).
5. Linge Kitulu (N50/CTY/PT/38845/2017). Assessment of Heavy metals and Bacteriological Contamination of Mitheu Stream in Machakos Municipality, Kenya. Master of Environmental Science, Kenyatta University (*Graduated in November, 2022*).
6. Tomno Rose Mwendu (S56-2312-2018). Assessment of Heavy metals in Urban Streams, Soil and Vegetables in Machakos Municipality, Kenya. Master of Science in Chemistry Machakos University (*Graduated in April, 2023*).
7. Jane Nashilu Koikai (N50/CTY/PT/39336/2017). Assessment of Physico-chemical and bacteriological contamination of Mbagathi River, Kajiado County, Kenya. Master of Environmental Science, Kenyatta University (*Graduated in November, 2023*)

#### **7.1.2 ON-GOING**

1. Okeyo Amos Agutu (N50/27710/2013). Factors influencing the Purchase of Woven Products among consumers in Kisumu County, Kenya. Master of Environmental Science, Kenyatta University (*Thesis under examination*).
2. Gori Alexander Otieno (N52-6811-2020); Assessment of heavy metals in soils and selected vegetables irrigated with water from River Athi in Machakos County, Kenya,

Master of Environmental Science, Machakos University (*Data Collection*).

3. Wanjiru B Hungi (N50/CTY/PT/21837/2021). Levels of environmental carcinogens in water-soil – plant system along the Athi riverine system in Makueni county, Kenya. Master of Environmental Science, Kenyatta University (*Data collection*).

## 7.2 THESES EXAMINATION

### 7.2.1 EXTERNAL EXAMINATION

1. Caroline Adema Vulimu Mmata (N50/CE/27862/2013). Comparative analysis of indoor air pollution, respiratory infections, types of fuels in rural and urban areas of Kilifi County, Kenya. Master of Environmental Science (Environmental Education), Kenyatta University (*Examined in March 2021*)
2. Peter Maithya Mbuthi (C50/12780/2018). The Role of Catholic Church in Environmental Conservation: A case Study of Makindu Su County, Kenya. Master of Arts (Religious Studies), Machakos University (Examined in November, 2023)
3. MTH/003/2024: Awareness levels and strategies of e-waste management in Dandora, Nairobi County, Kenya. Master of Environmental Studies and Community Development, Kenya University (Examined in May, 2024)

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## 8.0 CONSULTANCY/PEER REVIEW IN JOURNALS

1. **September 2020:** Consultancy for development of an inventory on chemicals and wastes in Kajiado County. Ministry of Environment and Forestry, Nairobi (JIMKAR CONSULTANTS, Ref.NO: MOE& F/MEAS/UPOPS/REP/004/2020-2021).
2. African Journal of Environmental Science and Technology  
<https://academicjournals.org/journal/AJEST>
3. **October 2023:** Environmental Impact Assessment for the proposed Class room and Science Laboratory Construction on Plot No: MACHAKOS TOWN BLOCK 3/3322 for Rehema Christian Academy Girls' School at Kanaani Village, Machakos Municipality, Machakos County, Kenya
4. **October 2023:** Environmental Impact Assessment for the proposed Accomodation Facility for Uttermost Evangelistic Team on plot LR No: MACHAKOS/KITANGA/384 at Kathome – Kathekakai Location Machakos Sub County, Machakos County, Kenya.
5. **January 2024:** Initial Environmental Audit for Tala Housing Cooperative Society Limited's House Project at Tala Town – Matungulu Sub County, Machakos County, Kenya

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## 9.0 RESEARCH EXPERIENCE, PROJECTS AND GRANTS

1. **Principal Investigator (PI):** Assessment of the levels of Environmental Carcinogens

and Life Style Cancer Risk Practices in Makueni County, Kenya. Funded (Kshs. 700, 000) by Machakos University (*July 2023 – August 2024*)

2. **Co-Investigator (CI)** Assessing the effect of Artisanal Gold Mining in Migori County, Kenya. Funded (Ksh. 700, 000) by Machakos University (*October 2020 – September, 2021*)
3. **Principal Investigator (PI)** Management and Use of Sewage water in Machakos town and its implication to Human Health. Funded (Ksh. 700,000) by Machakos University (*March 2019 – March 2020*).
4. **Co-Investigator (CI)** Evaluating Costs and Benefits of Prophylactic Health Products and Novel Alternatives on Smallholder Aquaculture Farmers in Asia and Africa (IMAQulate). Funded by Biotechnology & Biological Sciences Research Council (BBSRC), United Kingdom (*January 2017 – April 2019*).
5. Assessment of Heavy Metal Contamination in Masinga Reservoir, Kenya. **PhD Research Project**, Kenyatta University. Funded (Ksh. 944,000) by National Commission for Science, Technology and Innovation (NACOSTI) (*August 2012 – December 2013*).
6. Larviculture of the African catfish (*Clarias gariepinus*). **MPhil. Thesis Research Project**. Fully Funded Scholarship by United States Agency for International Development (USAID) (*March – September 2003*).
7. Adoption of Agroforestry Technologies in Makueni and Machakos districts. **B.Sc. Student Research Project**.

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## 10. COMMUNITY SERVICE AND OUTREACH

1. **Deputy Chairman**, Board of Management (BOM), AIC Mavindini Boys Secondary School, Makueni County (*May 2019 to date*)
2. **Chairman**, Church Board, Redeemed Gospel Church (Eastleigh -Machakos) P.O. Box 505 – 90100, Machakos (*February 2020 to Dec 2022*).
3. **Member**, Board of Management (BOM), **Chairman**, Academic and Environmental Sustainability Committee, Makueni AIC Mavindini Boys Secondary School, Makueni County (*January 2016 to April 2019*)
4. **Member**, Board of Directors, DOVE Foundation - NGO P.O.BOX 2328 – 90100, Machakos (*January 2014 – to Date*).
5. **Member**, Church Board, Redeemed Gospel Church (Eastleigh -Machakos) P.O. Box 505 – 90100, Machakos (*January 2013 – to December, 2019*).
6. **Member**, Advisory Board, Institute of Culture and Ecology (ICE) - NGO P.O.BOX 6270 – 01000, Thika (June 2008 – To June 2014).

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## **11. APPOINTMENT AND MEMBERSHIP TO MACHAKOS UNIVERSITY COMMITTEES**

1. **Member**, Appointment to the Budget Implementation Committee (BIC) (**November, 2022**)
2. **Member**, Appointment to Machakos University 5<sup>th</sup> International Conference committee (**October, 2022**).
3. **Member**, Appointment to the membership of the Management Board, Quality Assurance (**July, 2022**).
4. **Member**, Appointment to the membership of Open, Distance and E- learning (ODEL) accreditation committee (**July 2022**)
5. **Member**, Appointment to the membership of committee on Development of Postgraduate Student's completion policy (**June, 2022**).
6. **Member**, Appointment to the membership of a committee to carry out Environmental and Social Impact Assessment and Risk Assessment of removing asbestos roof in all buildings in the University (**May, 2022**)
7. **Chairman**, Appointment to the postgraduate student Handbook and Graduate School Procedures Manual Review Committee (**March, 2022**)
8. **Chairman**, Appointment to a Committee to make Recommendations on Programmes that entail academic trips and Review of Zoning for Industrial/Field Attachment (**September, 2021**)
9. **Member**, Appointment to the Corruption Prevention Committee (**September, 2021**)
10. **Secretary**, Appointment to committee for the development of guidelines on the management of undergraduate research projects (**February, 2021**).
11. **Member**, Appointment to Student Sexual Harassment Policy Development Committee (**February, 2021**).
12. **Member**, Appointment to Certificates and programme booklet subcommittee of the graduation committee (**February, 2021**).
13. **Member**, Appointment to the Integrity and corruption prevention committee (**October, 2020**).
14. **Member**, Appointment to a Committee to develop a proposal for infrastructural support by the National Research Fund (**February, 2020**).

15. **Member**, Appointment to Machakos University 3<sup>rd</sup> Annual International Conference committee (*August 2019*).
16. **Member**, Appointment to the rationalization of schools' committee (*July, 2019*).
17. **Member**, Appointment to Committee on Machakos University Agricultural Show 2019 (*March, 2019*).
18. **Member**, Appointment to a committee to develop a proposal in response to the government of Netherlands; Dutch Fund call for proposal on climate and development (*January, 2019*).
19. **Member**, Appointment to a committee to develop a concept note in response to the IDRC and DFID call for concept notes on climate change adaptation (*January, 2019*).
20. **Member**, Appointment to a committee to develop a proposal in response to the African Union on proposals post-harvest and agriculture (January, 2019).
21. **Member**, Appointment to a committee on Implementation of Machakos University and Inades-Formation, Kenya Memorandum of Understanding (*October, 2018*).
22. **Member**, Appointment to Machakos university 2<sup>nd</sup> Annual International Conference committee held on 17<sup>th</sup> – 18<sup>th</sup> April, 2018 (*August, 2018*).
23. **Member**, Appointment to Certificates and programme booklet subcommittee of the graduation committee (*July, 2018*).
24. **Chairman**, Appointment to the shortlisting committee for academic positions (Lectures and Senior Lecturers) in the school of Environment & NRM (*July, 2018*).
25. **Member**, Appointment to Income Generation and Consultancy committee (*June, 2018 to date*).
26. **Member**, Appointment to a committee on Science for nature and people partnership (SNAPP) announces 2018. Request for proposals to fund science to solutions teams (*May, 2018*).
27. **Member**, Appointment to a committee on Sustainable water management for food security and nutrition in agriculture and food systems call for proposal (*May, 2018*).
28. **Chairman**, Appointment to committee on Machakos University tree planting day (*April, 2018*).
29. **Member**, Appointment to committee on International Day of Forests, 21<sup>st</sup> March, 2018 (*January, 2018*).
30. **Member**, Appointment to a committee to develop a proposal on economies on tobacco in low- and middle-income countries to International Development Research Centre (IDRC) (*December, 2017*).

31. **Chairman**, Environmental Sustainability Committee (*December 2017 to April 2022*). Spearheaded university tree planting and clean up days, draft policy on Environmental Sustainability developed.
  32. **Member**, Deans' Committee of MksU (*September 2017 to date*)
  33. **Member**, Board of Graduate School Committee of MksU (*September, 2017 to date*)
  34. **Member**, Appointment to Konza Technopolis Development Committee (*July, 2017*)
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## 12. MEMBERSHIP TO PROFESSIONAL BODIES

1. National Environmental Management Authority (NEMA) – Environmental Impact Assessment & Environmental Audit Lead Expert (*Reg.No: 10218*)
  2. Environmental Institute of Kenya (EIK) – (*Lead Member – EIK/1/2259*)
  3. Kenya Wetland Forum (KWF) – (*Member – 2012 - 2014*)
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## 13. REFEREES

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|---|---|
| <ol style="list-style-type: none"><li>1. Prof. Steven G. Njuguna<br/>Department of Environmental Sciences, Kenyatta University, P.O. Box 43844, Nairobi, Kenya.<br/>Cell Phone: +254(0) 733 800 235<br/>E-mail: manuru9@yahoo.com or <a href="mailto:njuguna.steven@ku.ac.ke">njuguna.steven@ku.ac.ke</a></li></ol> | <ol style="list-style-type: none"><li>2. Dr. Esther C. Kitur<br/>Department of Environmental Sciences, Kenyatta University, P.O. Box 43844 Nairobi, Kenya<br/>Cell phone: +254(0) 722 717 101<br/>Email: <a href="mailto:estherkitur2015@gmail.com">estherkitur2015@gmail.com</a></li></ol> |
| <ol style="list-style-type: none"><li>3. Prof. Charles C. Ngugi<br/>Dean, School of Natural Resources &amp; Environmental Studies, Karatina University, P.O.BOX 1957-10101, Karatina, Kenya<br/>Cell Phone: +254(0)723 557 760<br/>E-mail: <a href="mailto:ccngugi@gmail.com">ccngugi@gmail.com</a></li></ol>       |   |

## CERTIFICATION

I certify, the information provided herein is correct and describes my qualifications and experience as of to date.



**Dr. Julius Kioko Nzeve, PhD.**

**Date: 18<sup>th</sup> August, 2024.**