

DR. PAMELLA J.A WERE

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ENVIRONMENTAL SCIENTIST, EDUCATOR, SENIOR LECTURER & RESEARCH EXPERT

PROFILE

A highly dedicated and result driven Environmental Scientist and Senior Lecturer with PhD in Environmental Studies, Masters of Philosophy (MPhil) in Ecology and Bachelor's degree in Education (BED Science). Strong knowledge on national, regional and international environmental regulations, gender mainstreaming, climate change and sustainable development. Has over twenty years in-depth experience in managing complex research, project and development projects, teaching and management. Effective in research work and people management with a track leadership record of working collaboratively with team members in achievement of organization/institution's goals. Energetic and innovative leader with an innate ability to bring lesson plans to life from beyond the pages of textbooks. Adept at actively engaging community members and professionals development initiatives. Proficient in transformative science and innovation, linking science to innovative contemporary issues for sustainable development at local, national, regional and international levels

CORE COMPETENCIES

Biodiversity Conservation | Gender Mainstreaming | Climate Change | Project Coordination | Project Research | Training, Design & Capacity Building | Strategic Management | Programme Management | Community Mobilization | Data Collection & Analysis | Life Coaching and Mentorship | Stakeholder Engagements | Monitoring & Evaluation | Environmental Impact Assessment & Audits | Professional Certified Mediation

ACADEMIC QUALIFICATION

- ✓ 2004-2008- Moi University, Eldoret, Kenya -Doctor of Philosophy in Environmental Studies (Specialization: Environmental Ecology) School of Environmental Studies, - DPhil Thesis: "*Potency of Using Crude Endod (Phytolacca dodecandra L'Herit) Extracts to Control Mosquito Immature Stages in Lake Victoria Basin, Kenya*"
- ✓ 1995- 2000 - Moi University, Eldoret, Kenya - Master of Philosophy in Zoology (Ecology option: Specialization-Aquatic Ecology), Zoology Department, Faculty of Science: Major: Aquatic Ecology: *MPhil Thesis: "Status of Phytoplankton Community and Physico-Chemical Parameters of Kisumu Bay, Lake Victoria, Kenya"*
- ✓ 1989-1992: Egerton University - Bachelor of Education (B ED) Science; Major: Botany/ Zoology (Biology); Minor: Chemistry : Dissertation: *A study of Microorganisms in Reticulo-Rumen of a Cow*
- ✓ 1987-1988: Kenya Advanced Certificate of Education; Alliance Girls' High School, Kenya
- ✓ 1983-1986: Kenya Certificate of Education; Rang'ala Girls' High School, Kenya

Professional Trainings/Workshops

- ✓ December 2021: Socioeconomic Valuation of Degraded Lands and Wetlands (Applications of the COLWED GIS-based Tool): Geospatial Research International; *Trainee*
- ✓ Nov 2021: Managed Aquifer Recharge Course: Watercap/Capnet; Naivasha Kenya; *Participant*
- ✓ November 2020: Mediation and Dispute Resolution Training: Serein Mediation Centre, Kenya: *Trainee*
- ✓ March-April 2015: Water Management: Decision Making, Environmental aspects and Risk Assessment; Israel: Hebrew University of Jerusalem, Rehovot Campus Jerusalem: *Participant*

- ✓ 16th-18th Dec 2013: Responsible Conduct of Research Training Workshop; Kenya: Kenya School of Monetary Studies, Nairobi; *Participant*
- ✓ 18th-20th Nov 2013: Art of Hosting Kenya; Kenya: Don Bosco Youth Education Centre, Nairobi *Participant*
- ✓ 26th-30th Aug 2013: Training on Ecosystem Based Approach to Water Resources Management Kenya: Kisumu Hotel, *Coordinator*
- ✓ July 2013: Joint SADC & EAC Regional Course on Ecosystem Functions & IWRM, Zimbabwe: Harare, *Facilitator*

CONFERENCES

- ✓ 13th-16th Sept 2022: Tenth Pan Commonwealth Forum (PCF10 Conference); Calgary, Canada: Commonwealth of Learning/Athabasca: *Presenter*
- ✓ 18th-20th November 2015: 2nd AFRICALICS International Conference, University of Rwanda, Rwanda-*Presenter*
- ✓ 21st-23rd October 2015: INWES Regional Conference: Kampala, Uganda-*Presenter*
- ✓ 24th-26th June 2015: 1st Jaramogi Oginga Odinga University of Science and Technology (JOOUST) Scientific International Conference: JOOUST, Kenya, *Presenter/Steering committee member*
- ✓ 23rd -25th October 2014: 16th International Conference for Women Engineers and Scientists (ICWES16): Los Angeles, California, *Presenter*
- ✓ 9th-11th Dec 2013: 3rd East Africa Young Water Professionals Conference: Kenya: Kenya School of Monetary Studies, *Panelist/Presenter*
- ✓ 19th- 21st November 2013: International Network of Women Engineers and Scientists(AWSE/INWES) Regional Conference Kenya: Kenya School of Monetary Studies *Presenter*
- ✓ 28th-29th Aug 2013: Ecological Society for East Africa (ECSEA) 6th Scientific and Policy Conference; Kenya: UNEP, Gigiri, Nairobi *Presenter*

PUBLICATIONS

- ✓ Patricia Okune Owalo, JB Okeyo-Owuor & Pamela Were-Kogogo: Effects of Water Quality on Spatio-Temporal Diversity of Benthic Macro-Invertebrate Species along the Selected Shores of Lake Victoria, Homa-Bay County, Kenya; The International Journal of Science and Technology, Volume IX, Issue 9, September 2021
- ✓ Okinyi B. Nyawade¹, Pamela Were-Kogogo², Phanael Owiti³, Harriet Osimbo⁴, Adero Daniel O.⁵: Fishers at Night, Seaweed Farmers by the Day: Determinants of Livelihood Diversification among Marine Fisher Communities of Kwale County, Kenya: Journal of Agriculture and Environmental Sciences June 2021, Vol. 10, No. 1, pp. 45-61
- ✓ Okinyi B. Nyawade, Pamela Were-Kogogo, Phanael Owiti, Harriet Osimbo and Adero O. Daniel: Elusive fish catch and vulnerable livelihoods: Status of fishing and fisheries industry among marine south coast communities of Kwale, Kenya: *Archives of Agriculture and Environmental Science*, An International Journal//vol 6//Issue2//pg 149-159, June 2021
- ✓ Steve Omari Ngodhe^{1*}, Okeyo Owuor JB¹ and Pamela Were²: Impacts of *Oreochromis Niloticus* Cage Culture on Water Quality of Winam Gulf of L. Victoria, Kenya: International Journal of Environmental Sciences & Natural Resources, Volume 19 Issue 4, May 2019
- ✓ Yugi Jared, Okeyo-Owuor Joash Barack, Awiti Caleb Auma, Juma Jacqueline India, Were-Kogogo Pamela and Vulule, M. John: Larviciding potency of water and ethanol extracts of *Phytolacca dodecandra* (L' Herit) on *Anopheles gambiae* (Diptera: Culicidae): Journal of Mosquito Research 2015, Vol.5, No.2, 1-6
- ✓ Yugi J.O., Okeyo-Owuor JB., Were-Kogogo P., Luvaha G.M.¹, Okwiri L.O.¹, Rono T.M., Vulule M.J.: Effective Dose of Crude Ethanol and Aqueous Extracts of *Phytolacca Dodecandra* (L' Herit) on *Anopheles Gambiae* (Diptera: Culicidae) Larvae
- ✓ Anyango Dolphine Caroline¹ and Were – Kogogo Pamela J.A.²: Movement Patterns and Home Range Sizes of The Rothschild's Giraffes (*Giraffa camelopardalis rothschildii*) Translocated to Ruma, National Park, Kenya:

International Journal of Environmental Science, Management and Engineering Research Vol. 2 (3), May-June, 2013

- ✓ Anyango Dolphine Caroline¹ and Were - Kogogo Pamela J.A². : Dietary Preference of the Rothschild's Giraffes (*Giraffa Camelopardalis Rothschildii*) Translocated to Ruma National Park, Kenya: International Journal of Environmental Science, Management and Engineering Research Vol. 2 (1), pp. 1-23, Jan-Feb., 2013
- ✓ Elijah Oyoo-Okoth¹, Wim Admiraal², Odipo Osano³, Michiel H.S. Kraak⁴, Pamela J.A. Were-Kogogo, John Gichuki⁶, Veronica Ngunjiri⁷, Judith Makwali⁸, Caleb Ogwai⁹: Dynamics of metal uptake and depuration in a parasitized cyprinid fish (*Rastrineobola argentea*): Journal of Aquatic Toxicology-Elsevier, 124– 125 (2012) 34– 40, July 2012
- ✓ Were-Kogogo P.J.A¹, J.B. Okeyo-Owuor², Philip Raburu³, J.M. Vulule⁴: Larvicidal Activity of Crude Solvent Extracts of Endod (*Phytolacca dodecandra*, L'Herit) against *Anopheles gambiae*: under review-Malaria Journal
- ✓ Were-Kogogo P.J.A¹, J.B. Okeyo-Owuor², Philip Raburu³, J.M. Vulule⁴: Laboratory and Field Efficacy of Endod (*Phytolacca dodecandra*, L'Herit) powder as an Anopheline *gambiae* Larvicide: under review- Journal of Vector Ecology
- ✓ Were-Kogogo P.J.A¹, J.B. Okeyo-Owuor², Philip Raburu³, J.M. Vulule⁴: Susceptibility of *Anopheles gambiae* Larvae to Crude Products from an indigenous plant, Endod (*Phytolacca dodecandra*, L'Herit): under review-Malaria Journal.

PROFESSIONAL MEMBERSHIPS

- ✓ National Environment Management Authority-Registered and Licensed EIA/EA Lead Expert
- ✓ Network of African Women in Science and Engineering (AWSE)- member
- ✓ International Network for Women in Engineering and Science (INWES)- member
- ✓ Nile IWRM Net-member
- ✓ CapNet-Regional Capacity Building Network on Water Resources Management-member
- ✓ WaterCap Kenya Network- National Capacity Building Network on Water Resources Management-Member/Facilitator
- ✓ Gender and Water Alliance Network- member

CAREER HIGHLIGHTS

2017 to Date – Jaramogi Oginga Odinga University of Science and Technology

Position: Senior Lecturer

- ✓ Prepare, deliver, administer and correct students examinations.
- ✓ Prepare presentation on thematic areas for various learning workshops.
- ✓ Lead on Administrative duties such as co-coordination of environmental Science programs.
- ✓ Supervision of students project and thesis work

Other Work Experience

- ✓ March 2012-July 2017 - Lecturer: Jaramogi Oginga Odinga University of Science and Technology
- ✓ July 2009-March 2012 - Lecturer: Moi University
- ✓ May 2007-June 2009 - Junior Research Fellow: Moi University (At Teachers Service Commission (TSC).
- ✓ 2001- -April 2007 - Senior Graduate Teacher: Rarage Secondary School, Homa Bay District
- ✓ 1999- 2001 - Graduate Teacher 1: Rarage Secondary School, Homa- Bay District)
- ✓ 1993- 1998 - Graduate Teacher II & III: Rarage Secondary School, Homa-Bay District
- ✓ 1991 - TeachingPractice:Kisumu Boys' Secondary School, Kisumu District

Leadership/Administrative Positions Held

- ✓ Nov 2020-Date - Departmental Coordinator of Postgraduate Studies Programs: Jaramogi Oginga Odinga University of Science and Technology.

- ✓ 2014-Date - External Examination: Examination externalization for Kenya Wildlife Training Institute (KWSTI), Naivasha.
- ✓ Oct. 2012-2020 - Faculty Time Tabling and Examinations Coordinator: Jaramogi Oginga Odinga University of Science and Technology.
- ✓ 2011-2012 Faculty Chairperson of Curriculum Development Committee: Chepkoilel University College
- ✓ Faculty Coordinator of Privately Sponsored Students Programmes (PSSP): Moi University (2009-2012)
- ✓ 2009-2012 - Departmental Coordinator of Postgraduate Programmes: Moi University
- ✓ 2009-2012 - Departmental Examination Coordinator: Moi University
- ✓ 2004-April 2007- Rarage Mixed Secondary School: Position - Principal: School

Scientific Research Builders

- ✓ 2010-Date - Research Mentorship: MSc and PhD Theses Supervision & Examination (External & Internal)
- ✓ 2013-2018 - Research Steering Committee (Member): Jaramogi Oginga Odinga University of Science and Technology.
- ✓ 2014-2017 - Scientific Conferences Steering Committee (Member): Jaramogi Oginga Odinga University of Science and Technology.
- ✓ 2008-Date - Facilitator/Trainer and Coordinator: Scientific, professional Capacity Building Workshops and Seminar.
- ✓ Reviewer/Editor: Training Manual on Ecosystem Based Management Approach (for Water Resources) for UNEP

Research Profile

Finalized

- ✓ **Principal Researcher:** Drivers and Barriers for Adoption of Alternative Environmentally Sustainable Livelihood Options among Coastal Communities of Kwale, Kenya... *in collaboration with Plan International, Kenya*
- ✓ **Co-PI:** Development of Decision Support System (WEAP model) for Sustainable Participatory Sub-Catchment Water Resources Management in the Face of Deteriorating Climatic Conditions- *SERVIR AFRICA funded project*
- ✓ **Principal Researcher:** Evaluation of Potency of a natural plant extract as an Anopheline mosquito control in an integrated malaria control strategy- *NCST Funded research project*
- ✓ **Principal Researcher:** Assessment of Institutional Framework for Payment of Ecosystem Services in the Mount Elgon Region, for *ASARECA*

In Progress

- ✓ **Co-Investigator:** Towards COVID-19 Containment: Serological, Faecal and Wastewater Epidemiological Surveillance of SARS-CoV-2 in Support of Home-Based Isolation and Care in Kenya
- ✓ **Research Team Member:** Using wetland ecosystems for sustainable remediation of municipal domestic wastewater- Collaborative South Africa/Kenya NACOSTI funded project;
- ✓ **Principal Researcher:** Urban Farming for climate change mitigation and economic empowerment in informal settlements in Kisumu City, Kenya
- ✓ **Coordinator:** Community Conservation Initiatives in Conservation of Wetland Ecosystems in Lake Victoria Basin
- ✓ **Researcher:** Legislation and Early child marriage in relation to Sustainable development goals in Kenya.

Other Outreach Activities

- ✓ Youth Mentorship Programme
- ✓ Every Woman and Community Resource Centre: Strengthening the capacity of community on human rights for women/girls and children, by providing legal aids clinics, legal awareness through probono briefs and public interest litigation.
- ✓ SOROPTIMIST (SI Kisumu Club): Empowerment of girls and women through education, advocacy and mentorship
- ✓ Capacity building trainings on enterprises, gender-based issues, organizational team building, women and youth empowerment, climate change and sustainable agriculture and development.

REFERENCES

1. Prof. J. B. Okeyo- Owuor, Professor, Rongo University Kenya
E-mail: Jb_okeyo2003@gmail.com,
Tel: 0728303839 or 0733766388
2. Prof. Tsingalia Mugatsia, COD, Biological Scieces, SBPMAS, Jaramogi Oginga Odinga University of Science and Technology; mugatsi2005@gmail.com; 0722286082