

CURRICULUM VITAE

1.0 PERSONAL INFORMATION

NAME Peter Abwao [BSc, Geography Major (UoN); Msc, Hydrology (UoN)], Ph.D. (on-going at Kenyatta University).

E-mail : abwao.peter@ku.ac.ke

PROFESSION: Geographer and Hydrologist/Geographical Hydrology (Water Resources Management – Water Quality Expert).

2.0 RESEARCH AND CONSULTANCY WORK

- 1. The Chamwada Report: River in Waste – The State of Nairobi River. Episode 1 (26th April, 2018). CHAMS Media Channel. Kenya Television Network (KTN) News.**
- 2. The Chamwada Report: River in Waste: The State of Nairobi River. Episode 2 (April, 2018). CHAMS Media Channel. Kenya Television Network (KTN) News.**
- 3. The Chamwada Report: River in Waste: Way Forward on Restoration of Nairobi River. Episode 3 (April, 2018). CHAMS Media Channel. KTN News.**
4. Contracted to participate in the Development of Masters of Science in Community Innovations for Sustainable Urban Livelihoods Curriculum. Education for Sustainable Development in Africa (ESDA), 30th November, 2009. Kenyatta University and United Nations University (UNU).

5. Contracted as an Associate Investigator on a project entitled "Enhancing Integrated Management Options of Lake Ol Bolossat Basin through Evaluation of Impacts of Climate Variability, Land Use and Land Cover Changes", 30th September, 2009. Funded by National Council of Science and Technology (NCST). **Grant Number: NCST/5/003/125.**
 - (a) Implementing Institution: Kenyatta University
 - (b) Participating Institutions: National Environment Management Authority (NEMA) and Water Resources Management Authority (WARMA).
6. Contracted as an Associate Researcher by the Institute of Policy Analysis and Research (IPAR) on a project entitled "Integrated Ocean Management Policy for Kenya" (25th May 2009 - 5th June 2009). **Tasks undertaken (TOR) included:-**
 - "Kenya's Marine Ecosystem and Ocean Resources and their Responsive Management Principles."
 - "Development of Marine Science, Technology and Education and Research relevant to the Ocean Space of Kenya."
7. Contracted as **Principle Investigator (PI)** on a project entitled "**Gender Roles in Poverty Alleviation and Natural Resources Management Strategies: Luanda Division, Vihiga District in Western Kenya**". Kenyatta University and the Nottingham Trent University (UK) for the British Council (1998).
8. Co-editor of the Report "Gender Roles in Poverty Alleviation and Natural Resource Management Strategies in Luanda Division, Vihiga District. Report prepared by the Department of Secondary and Tertiary Studies of the Nottingham Trent University (U.K) and Department of Environmental Socio-cultural Studies, Kenyatta University for the British Council. The study was funded by the Department for International Development (DFID). Nairobi, March 1999.
9. Co-editor of the Report "Training on Networking for Gender Roles in Poverty Alleviation and Natural Resource Management in Luanda Division, Vihiga District". Report Prepared by the Department of Secondary and Tertiary Studies of the Nottingham Trent University (U.K) and Department of Environmental Socio-cultural studies, Kenyatta University for the British Council (1999). The training Workshop was founded by the Department for International Development (DFID).
10. Principal Researcher during a participatory Poverty Assessment Study in Luanda Division, Vihiga District, Western Kenya (Dec. 1998 to Jan. 1999). Kenyatta University and Nottingham Trent University (U.K). Funded by DFID through British Council.

11. Training Consultant with Water Resources Assessment and Planning Project (WRAP). The Netherlands Government and the Ministry of Land Reclamation, Regional and Water Development. 1997 - 1998. The terms of reference under this consultancy were: -
- a) To identify and train the trainers and prepare training handouts/modules for the following courses at the Kenya Water Institute (KEWI) and the University of Nairobi (UON): -
- A training course on Regional Water resources Assessment Studies.
 - A training course on District Water Development Planning.
 - Courses on using the following water resources assessment and district water development planning related computer softwares namely: VES, HYDATA, RAISON, GEMS, PROCOS, PIPSUP, WATDEM, INVDATA and SATEM.
- b) To conduct field surveys in the following areas: -
- Installation of river gauging stations (RGS) - flow measurement and assessment of rating curves,
 - Geophysical surveys including VES and electromagnetic profiling,
 - Pump testing; and
 - Water quality sampling and analysis.

The training courses were based on WRAP practice, manuals and guidelines which were further developed and transformed into training modules with the assistance of WRAP/Ministry of Water staff, Kenya Water institute (KEWI) lecturers and University of Nairobi lecturers in the Departments of Geography, Geology and Meteorology. The 29 training modules developed under this consultancy and have been implemented at KEWI are:-

(I) WATER RESOURCES ASSESSMENT STUDIES

- Introduction to water resources assessment study
- Climatological aspects
- Surface water investigations
- Groundwater investigations

(II) DISTRICT WATER DEVELOPMENT PLANNING STUDIES

- Introduction to District Water Development Planning
- Inventory and study of existing water supplies
- Water demand analysis
- Cost evaluation of water projects
- Water treatment
- Community surveys
- Financial analysis
- Plan preparation

(III) BASIC COMPUTER PACKAGES

- Introduction to micro-computers MS DOS

- Word Perfect
- Microsoft Windows
- MS Word
- Lotus 1-2-3
- Microsoft Excel
- Dbase III+
- Microsoft Power Point
- MS Access

(IV) COMPUTER APPLICATION FOR REGIONAL WATER RESOURCES ASSESSMENT

- Analysis of rainfall and evaporation data using MET
- Analysis of water level using HYDATA/HYDAMAS
- Analysis of groundwater (survey) data using VES
- Analysis of water supply data using INVDATA

(V) COMPUTER APPLICATION FOR DISTRICT WATER DEVELOPMENT PLANNING

- Analysis of water demand using WATDEM
- Analysis of pipe water supply system using PIPSUP
- Project cost analysis using PROCOS
- Water resources development potential

12. Demographic Survey: A Case of Gatwikira Village of Kibera Slums, Nairobi, July 1996. This was a study commissioned by MSF-Spain to enable acquisition of household survey data for purposes of initiating an immunization programme for children below five (5) years of age. I designed the whole study and was team leader for one of the three teams involved in the baseline survey. The study culminated in the establishment of Kibera Clinic at Olympics.

13. Mandera District Nutritional Survey (29th April, 1996 to 8th May, 1996). This survey was carried out by MSF-Spain in collaboration with Northern Aid Organization in order to establish the magnitude of malnutrition in Mandera Central region with a view to designing long-term strategies to address the problem. I was the lead investigator for Northern Aid Organization. Recommendations made by this survey have already been implemented.

14. Food, Nutrition and Agricultural Implications of Urbanization in Kenya. A Multi-Country Research Programme. International Food Policy Research Institute, Washington D.C. in Collaboration with the University of Nairobi, Geography Department, Kenya, 1995 - 2006.

15. Planning for the Development of Border Regions. A Case Study of Two Selected Border Regions (Taveta and Namanga) on the Kenya/Tanzania Border. Funded by United Nations Centre for Regional Development (UNCRD) Africa Regional Office and implemented by the University of Nairobi, Geography Department, 1995.
16. Education and Social Change Among Somali Muslim Women of Garissa. University of Nairobi, History Department, 1995
17. Drought Persistence and Frequency Analysis in the Upper Tana catchment in relation to agriculture, hydroelectric power generation and water supply for various uses. University of Nairobi, Geography Department, 1995
18. Participatory Poverty Assessment of two Slum Areas in Nairobi (Mathare and Korogocho). This was a World Bank/Africa Medical Research Foundation (AMREF) Funded Project, 1994.
19. A Bibliographical Survey on Small and Intermediate Urban Centres in Africa. United Nations Centre for Regional Development (UNCRD) and African Urban Quarterly Limited (AUQ), 1994.
20. Linkages among Food Processing Industries in Kenya. University of Nairobi, Geography Department, 1993.
21. The determination of Water Quality Characteristics of Runoff for Consecutive Storms Within Nairobi's City Centre with a View to Planning for its Proper Management. A Masters Thesis Submitted in the Department of Geography, University of Nairobi, 1993 (Excerpts are Published in **the Journal of Nature Conservation**, volume 15, no. (2), 2003.).
22. A geographical Assessment of Socio-economic Factors influencing Small Scale Sugar cane Production in South Bunyore Location, Kakamega District. A Bachelor of Science Degree Dissertation Submitted in the Department of Geography, University of Nairobi, 1990 (Unpublished).

3.0 CURRENT AREAS OF RESEARCH INTEREST

- Currently Undertaking a PhD Research in the Lake Victoria Drainage Basin. The PhD Thesis title is "The Impact of Land Use Practices on Selected Water Quality Parameters of the Yala River System: A Catchment Level Ecosystem Approach".
- Water Quality management and Pollution Control in Kenya.

- Environmental Impact Assessment (EIA) of Development Projects (with a focus on water projects).
- Urban Environmental Problems of Third World Cities with Special Reference to Water, Sanitation and Hygiene (WASH).
- Participatory Ethnological Approaches to Drought and Desertification Management in Arid and Semi-Arid Lands of Kenya.
- Impacts of Sedimentation and Nutrients Accumulation in Rivers, Natural and Man-made Lacustrine (Lake) ecosystems.
- Education and Social Change among Somali Muslim Women of North-Eastern Kenya.
- Socio-cultural Factors Influencing Water Resources Development in rural areas of Kenya.
- Gender Roles in Poverty Alleviation and Natural Resources Conservation with special emphasis on networking as a tool for poverty alleviation in Vihiga County of Western Kenya.
- Socio-economic Impacts of the water hyacinth on riparian communities in Lake Victoria Drainage Basin.
- Water Resources Use Conflicts in major catchment areas of Kenya.

4.0 INTERNATIONAL AND NATIONAL FORA ATTENDED

- **Webinar on UNITAFRICA Project, “Rural Development, Land Management, Agri-food and Food Security: The Role of University Cooperation between African Countries and Italy”. Tuesday 27th May 2025, 3.00 PM – 5.00 PM (EAT) Via Zoom Platform. Meeting ID: 82875545348, Passcode: 955084. Directorate of Research, Capacity Building and Consultancy Services. Kenyatta University.**

- **Training on Skills and Approaches to Strengthen University – Industry Linkages. Thursday 28th November 2024 from 10.00am – 1.00am (EAT). Google meet: <https://meet.google.com/bhd-wwdz-doe>. Uplift Agriculture, HNU and Kenyatta University. Funded by the European Union.**
- **“A Workshop on Transforming Research into Revenue: Strategies for Monetization and Industry Engagement”. Monday 11th November 2024 from 9:00am – 1:00pm at the Business and Students Services Centre (BSSC). Kenyatta University.**
- **Webinar on “Scientific Publishing, Peer Review and Editing Ethics in Academic Research”. Thursday 26th September 2024 – 9am – 12.30pm (EAT). Google meet: <https://meet.google.com/usx-avqj-tth>. Directorate Of Research, Capacity Building and Consultancy Services. Kenyatta University.**
- **UNESCO Chairs Seminar:- “Youth and Future Generations”. Wednesday 26th June 2024, 14:00 – 15:30 (Paris time).**
- **UNESCO Chairs Seminar:- “Science, Technology and Innovation and Digital Cooperation”. June 5th 2024, 14:00 Paris. Webinar ID: 841 8165 7164. Passcode: 882846.**
- **Zoom Webinar on 2024 United Nations Civil Society Conference. “Shaping a Future of Global Sustainable Progress”. #2024UNCSE. May 9th – 10th Nairobi, Kenya.**
- **Zoom Webinar on “An Overview of the Pact of the Future”. Tuesday 5th March 2024. 5.00 – 6.30 PM (EAT). Passcode: 584787. Webinar ID: 81395024288. UNESCO, University Twinning and Networking Programme.**
- **Webinar on “Meet the Editor: Publishing Research in Materials Science and Engineering”. Thursday, November 23rd 2023. 8.30 AM – 10.00 AM (EAT). Access code: 719 – 701 – 766. Webinar ID: 894 – 340 – 435. (Awarded a certificate).**

- **Training on “Capacity Building on Creating Effective Linkages with Industry – Market and Niche Analysis of effective Industry Engagement”.** Tuesday 14th November 2023, 9.00 am – 11 am (EAT). Virtually. Meeting Link: <https://meet.google.com/hdr-gxcd-duj>. Innovation Incubation and University-Industry Linkages. Kenyatta University and Teams That Win Consultant Limited.
- **Virtual Workshop on Results Based Framework Approach to Proposal Development.** The Division of Research, Innovation, and Outreach through the Directorate of Research, Capacity Building, and Consultancy Services, Kenyatta University. 9th November 2023, 10.00 am – 12.30pm. Meeting Link: <https://meet.google.com/cjm-yyes-tna>.
- **Training on “Capacity Building on Creating Effective Linkages with Industry – Branding for Visibility”.** Thursday, 9th November 2023, 9.00 am – 11.00 am. Virtually. Meeting Link: <https://meet.google.com/geh-zdam-bay>. Innovation Incubation and University Industry Linkages. Kenyatta University and Training Inside Out Development Limited.
- **Training on “Capacity Building on Creating Effective Linkages with Industry: Branding for Visibility”.** Tuesday 7th November 2023. 9.00 am – 11.00 am (EAT). Kenyatta University. Meeting Link: <https://meet.google.com/hzq-pnff-gie>.
- **Exclusive Webinar:- Elevate Research Impact: Empower Scholars with Taylor University and Francis eBooks in KLISC Library in your Library.** Wednesday 23rd August 2023, 11.30 am – 12.00 pm (GMT). Virtual via Zoom. Taylor and Francis Group.
- **East Africa Air Quality Management Training Workshop.** 14th – 18th August 2023. Kenyatta University and Columbia University. Funded by US Department of State. Kenyatta University Conference Centre, Nairobi Kenya.
- **Webinar on Budget Writing in Grant Proposals Training on 2nd August 2023.** Kenyatta University Researchers. <https://meet.google.com/dua->

[tigz-qab](https://www.tigz-qab.com).

- **Webinar on “How to Make Your Research Publishable: Identifying Common Reasons for Rejection in Reputable Journals”. 4th August 2023. 12 PM – 1 PM (EAT). Via Zoom. Open Research – Taylor and Francis. Webinar ID. 97879756387.**
- **Exclusive Webinar:- “Increase Your Research Output Using Digital Resources”. Tuesday 6th June, 2023. 11.00 am – 12.00 pm (EAT). Taylor and Francis Group**
- **Science Benefiting Society: The Role of the Right to Science. June 14th 2023 15:00 in Nairobi. UNESCO Chairs Seminar. Human Rights. UNESCO, University Twinning and Networking Programme.**
- **Webinar on “Global South and the Climate Change Agenda: Africa’s Local Context”. 17th May 2023. 10.00 am – 1.30 pm. Google meet link: <https://meet.google.com/syi-uggt-vct>. Kenyatta University, Leverage Africa and Pan African Climate Justice Alliance.**
- **UNESCO Chairs Seminar Series 4 and OHCHR Hernan Santa Cruz Dialogue:- A Solution in Plain Sight for a Better World: A Human Rights Economy. 3rd May 2023, 6.00 – 7.30 PM Nairobi. Webinar ID 853 5893 6805. Passcode 864707. UNESCO.**
- **UNESCO Chairs Seminar Series 3: Reimagining Our Futures. Wednesday 15th March 2023, 14:00 – 15:30 (Paris time). University Twinning and Networking Programme. UNESCO.**
- **A Seminar on Scientific Communication:- Print, Electronic and Social Media. Virtual training held on 1st March 2023 from 10.00 am to 12.00 pm. Directorate of Research Support and Dissemination; Kenyatta University.**
- **UNESCO Chairs Seminar Series 2:- “Knowledge-driven Actions: Transforming Higher Education for Global Sustainability”. February 15th**

2023, 05:00 PM Paris. Webinar ID 821 8358 2769. Passcode 204653. UNESCO.

- **The Contribution of Arts to Conservation and Environmentally Sustainable Development. 8th December 2022. Virtual. Institute of Development Studies in the United Kingdom and Kenyatta University. Pan-African Network for the Arts in Environmentally Sustainable Development.**
- **Training on Science Communication/Writing for Popular Media. Thursday 11th November 2021. Virtual. Via Zoom. Meeting ID: 84250501677. Passcode: 905760. Kenyatta University, Department of Environmental Studies and Community Development.**
- **Capacity Building on Green Economy and Sustainability. UNESCO Chair on Higher Education Development for a Green Economy and Sustainability (HEDGES). Kenyatta University. 28th October 2021. Virtual. Video call link: <https://meet.google.com/hbt-smfz-zfh>.**
- **Sandalwood Trafficking in Kenya:- Uprooting a Valuable Resource. Virtual. Meeting ID 95455503805. 7th October 2021. Kenyatta University, Department of Environmental Studies and Community Development.**
- **The Conversation Africa Information Session. Virtual via Zoom. 4th October 2021. Kenyatta University.**
- **Meet the Conversation Africa – Facilitating Research Communication. 30th September 2021. Virtual via Zoom. Kenyatta University.**
- **Train the Trainers' Workshop on Innovation Management and Inclusive Grassroots Innovation. Thursday 23rd September 2021. Virtual. <https://meet.google.com/xzo-dmjg-foi>. Kenyatta University.**
- **Seminar on Research Dissemination on Radio and Television. Wednesday 22nd September 2021. Virtual. Joining information:- <https://meet.google.com/fvf-ujeq-dhm>. Kenyatta University.**
- **Workshop on New Research Management Systems (KENRIS) and Science Technology and Innovation (STI) Mainstreaming to Kenyatta University Teaching Staff. Thursday 19th May 2022. 9.00 am – 12 pm**

EAT. Virtual: <https://meet.google.com/iax-msiw-uug>

- **Kenyatta University and Kwazulu Natal zoom webinar on:-Writing Research Publications and Supervision Models. Friday 14th April,2023. 9.00HRS-13.20HRS. Facilitators: Prof. Simon B. Khoza and Dr. Cedric B. Mpungose (University of Kwazulu-Natal); South Africa. Meeting ID:92713091297. Password: 761398.**

- The ESDA-SUD Course Testing Induction Workshop. UNEP, Gigiri, 14th - 15th February, 2011.
- Workshop on “A Scientific Perspective on Water Quality in Africa”. Pan Africa Chemistry Network (PACN), 22nd March, 2010, University of Nairobi, Chiromo Campus, Ariziki Conference Center; 2.00 pm. - 5.30p.m.
- Seminar on Community-based Learning and Education for Sustainable Development in RCE Greater Nairobi and RCE Yokohama. Kenyatta University, AVU Main Hall, 11th March, 2010.
- Workshop on the Role of Higher Education in Africa: “Triple Helix Responses to Climate Change.” Friday October 30th 2009. Danish Development Research Network (DDRN) and the Department of Development and Planning, Aalborg University, Denmark.
- Workshop (Development Café) on Research and Development Cooperation. Aarhus University, Building 1412 (the Assembly Hall), Room 129B, Nordre Ringgade 1, Aarhus, Denmark. 29th October, 2009.
- Inception Workshop on Enhancing Integrated Management Options of Lake Ol Bolossat Basin through Evaluation of Impacts of Climate Variability, Land Use and Land Cover Changes.” PCEA Church Hall, Nyahururu on 22nd October, 2009.
- Workshop on Community Based Innovations for Urban Sustainable Development Program. 7th September, 2009, Olive Gardens Hotel, Hurlingham - Nairobi.
- The Centre for Entrepreneurship and Enterprise Development (CEED) Conference. 14th - 16th November, 2007. School of Business. Kenyatta University.
- Proposal Writing Workshop. Utalii Hotel, 17th - 18th July 2006. Organized by Institute for Research and Development, Kenyatta University.
- Workshop on Water Treatment Technologies. 22nd -23rd March, 2005, Grand Regency Hotel, Nairobi.
- Rapporteur:- International Workshop on Environmental Health Education in the Eastern African Region: Challenges and the Way Forward. AVU Hall, Science Complex, Kenyatta University. 24th - 26 March, 2004. UNESCO/UNICEF.
- International Workshop on Environmental Health Education in the Eastern Africa Region: Challenges and the Way Forward. AVU Hall, Science Complex, Kenyatta University. 24th - 26th March 2004. Nairobi.
- 8th Annual Meeting of the Consulting Partners of the Global Water Partnerships. Stockholm, Sweden, August 14th - 15th, 2003.
- Disparities in Developing Countries: Types, Challenges and the Way Forward. Fourth International Conference Proceedings of the Association of Third World Studies, Inc. (Kenya Chapter). AVU

Hall, Science Complex, Kenyatta University. 17th - 19th September 2003.

- Forest Action Network Experience Sharing Workshop on Natural Resource Management issues. 17th - 20th April 2002. Reef Hotel, Mombasa, Kenya.
- Preparing stakeholders for the New Forest Act: 6th National Seminar. 16th April 2002 at Lenana Mount Hotel, Nairobi. Forest Action Network.
- DAAD Scholars Workshop. 23rd - 25th January 2002. FASS Lecture Theatre II, Egerton University, Kenya.
- International Conference on Sustainable Management of Headwater Resources. USIU, Nairobi, 5th - 8th September, 2002. USIU, UNESCO, UNEP, UN-HABITAT and United Nations University, Japan.
- A Workshop on Environmental Action Learning for Waste Management in Low-Income Settlement in Eastlands, Nairobi, on 30th -31st January 2001. Meridian Court Hotel, Nairobi.
- Preparing stakeholders for the New Forest Act: 2nd National Seminar. 11th May 2001 at Lenana Mount Hotel. Forest Action Network.
- Preparing stakeholders for the New Forest Act: 3rd National Seminar. 11th May 2001 at Lenana Mount Hotel. Forest Action Network.
- Preparing stakeholders for the New Forest Act: 4th National Seminar. 11th May 2001 at Lenana Mount Hotel. Forest Action Network.
- Preparing stakeholders for the New Forest Act: National Seminar held on 6th December 2001 at Lenana Mount Hotel. Forest Action Network.
- The 2nd Asian Conference on Water and Wastewater Management 8th - 9th May 2001, Tehran, Islamic Republic of Iran.
- Workshop on Effects of Military Training Exercises on Pastoral Communities Livelihoods in Kenya. 1st - 3rd August 2000. Sportsman Hotel, Nanyuki, Kenya.
- Workshop on Sustainable Management of Nairobi Rivers. 23rd - 25th March 2000. Louis Leakey Memorial Hall of the National Museums of Kenya.
- Workshop on Informal Needs Assessment for Teacher Training in Environmental Learning in Kenya. 15th February 2000. United Nations office, Gigiri.
- Workshop on Gender Roles in Poverty Alleviation and Natural Resources Conservation. 28th - 31st March 1999 at Rock Motel, Kisumu, Kenya.
- The 9th Stockholm Water Symposium on "Urban Stability through Integrated Water-related Management". 9th-12th August 1999 Stockholm Sweden.
- The First National Symposium on Female Genital Mutilation (FGM). 21st - 22nd April 1998. United Nations Complex, Gigiri, Nairobi. Convened by Northern Aid Organization.
- Image Analysis and Remote Sensing Techniques workshop, 17th - 31st July 1998, Nairobi. Silver Springs Hotel.
- Dissemination Seminar on Research Findings on Female Circumcision in Nyeri, Embu and Machakos. August 22nd, 1996. Grand Regency Hotel, Nairobi.

- National Dissemination Seminar on Health Worker's Knowledge, Attitudes and Practices on Female Circumcision in Nyamira District, Kenya. Hotel Milimani: November 22nd, 1996. Sponsored by: Seventh Day Adventist Rural Health Services (SDA-RHS) and Program for Appropriate Technology in Health (PATH).
- "HIV/AIDS and Female Circumcision in Muslim Areas of Kenya". Proceedings of a Seminar Held between July 29th – 31st, 1995 at Safariland Club, Naivasha, Kenya. *Medicos Sin Fronteras* (MSF) - Spain and Northern Aid Organization, Kenya).
- International Workshop on Urban and Regional Planning of Mombasa and the Coastal Region, Kenya. Mombasa Beach Hotel, Mombasa, Kenya. May 18th – 22nd, 1992. (IFRA and Department of Geography, University of Nairobi).
- Workshop on the Social and Economic Impacts of HIV/AIDS in Kenya. Silver Springs Hotel, Nairobi, Kenya. July 6th -10th, 1992. Ford Foundation and Population Studies and Research Institute (PSRI), University of Nairobi.
- International Seminar on Local and Regional Development Options for the Next Decade: Eastern and Southern Africa. 22nd – 24th September 1992, Nairobi, Kenya. (United Nations Centre for Regional Development, UNCRD and Department of Geography, University of Nairobi).

5.0 PAPERS ACCEPTED FOR PRESENTATION AT INTERNATIONAL, REGIONAL AND NATIONAL FORA:

- Abwao, P. (2005). Capacity Building: Status of Water Treatment Training in Kenya.
- "Water Quality and Environmental Health Education". A Paper Presented at the International Workshop on Environmental Health Education in the Eastern Africa Region: Challenges and the Way Forward. AVU Hall, Science Complex, Kenyatta University. 24th - 26th March 2004. Nairobi.
- "Environmental Impacts and Disparities Associated with Rural-Urban Migration. A Paper Presented at the Fourth International Conference on Disparities in Developing Countries: Types, Challenges and the Way Forward. AVU Hall, Science Complex, Kenyatta University. 17th - 19th September 2003. Nairobi.
- "Synopsis of Water Quality Issues Within Lake Victoria Drainage Basin: A Case of Yala and Nzoia Rivers." A Paper Presented at the International Conference on Sustainable Management of Headwater Resources. September 5th - 8th 2002, USIU Auditorium, Nairobi.
- "Urban Storm Water Management". A paper presented at the 2nd Asian Conference on Water and Wastewater Management, Tehran, Islamic Republic of Iran. 8th - 9th May 2001.

- Catchment Protection: A case of Karura Forest, Kenya. A Paper presented at the 9th Eastern Africa Environmental Network (EAEN) Annual Conference on Land Care and Community Stewardship in Eastern Africa. 28th - 29th May 1999, National Museums of Kenya, Nairobi.
- Networking as a Tool for Poverty Alleviation in Vihiga District. A Training Paper presented at a workshop on Gender Roles in Environmental Networking and Partnership in Poverty Alleviation. 28th - 31st March 1999, Rock Motel, Kisumu.
- Urban Environmental Problems. A Paper presented at the International Conference on Urban Growth and Regional Planning of Nairobi, Kenya, in July 1999.
- "Water Quality Monitoring: A case of Nairobi River." A Paper presented at the Eastern and Southern Africa Regional Networking/Training workshop on Environmental Action Learning (EAL) Requirements. 24th - 28th August 1999. KOEE, UNEP and UNESCO.
- Robert A. Obudho and Peter Abwao (1996). "Local and Regional Development in Kenya: Towards Policy Formulation". A Paper Invited for Oral Presentation at the fifth International Convention of the East Asian Economic Association. Royal Orchid Sheraton Hotel, Bangkok, Thailand, 25th – 26th October 1996. Discussion Paper 96/13.
- Community Participation and Sustainable Use of Natural Resources in Kenya. Invited Paper Presented at the Pan African Symposium on Sustainable Use of Renewable Natural Resources and Community Participation. Harare, Zimbabwe 24th - 27th , June 1996.
- Air and Odour Pollution in the City of Nairobi, Kenya. A Paper Presented at the ICUC'96, International Conference on Urban Climatology, Essen, Germany, June 10th - 14th, 1996.
- Planning for the Development of Border Regions in Eastern and Southern Africa: The Case of Kenya-Tanzania Border. A Report Commissioned by the United National Centre for Regional Development (UNCRD) Africa Office, and Presented at the Workshop on Planning for the Development of Border Regions, Kariba, Zimbabwe, 23rd - 25th August 1995.
- Water Pollution Problems in the Lake Victoria Drainage Basin: Towards a Water Quality Management Strategy. A Paper Accepted for Oral Presentation at the International Workshop on Urban and Regional Planning of Kisumu and the Western Region, 22nd - 26th May 1994. Sunset Hotel, Kisumu, Kenya.
- "Prospects and Status of Urban Water Supplies with particular reference to major urban areas of Kenya: The case studies of Nairobi and Mombasa." A paper presented at the

6th Scientific Assembly of the International Association of Metrology and Atmospheric Physics (I.A.M.A.P.) and 4th Scientific Assembly of the International Association of Hydrological Sciences (I.A.H.S.), July 11th - 23rd 1993, Yokohama, Japan.

- “Assessment of Hydrological Processes with particular reference to case study of Timau, Nairobi and Tana River Catchments.” A paper presented at the 6th Scientific Assembly of the International Association of Metrology and Atmospheric Physics (I.A.M.A.P.) and 4th Scientific Assembly of the International Association of Hydrological Sciences (I.A.H.S.), July 11th - 23rd 1993, Yokohama, Japan.
- “Aspects of Floods and Drought with reference to the Development of Water Resources of Kenya: Case studies of the Tana and Nyando Catchments in Kenya.” A paper presented at the 6th Scientific Assembly of the International Association of Metrology and Atmospheric Physics (I.A.M.A.P.) and 4th Scientific Assembly of the International Association of Hydrological Sciences (I.A.H.S.), July 11th - 23rd 1993, Yokohama, Japan.
- Industrial Geography of Mombasa, Kenya. A paper Presented at the International Workshop on Urban and Regional Planning of Mombasa and the Coastal Region, Kenya: Mombasa Beach Hotel. 18th - 22nd May 1992.
- Urbanization and Storm Water Management: A Case Study of Nairobi, Kenya. A paper presented at the Afrotech Workshop on Regional Standards for Urbanization. Johannesburg, Republic of South Africa, 15th - 17th June 1992.
- The problems of Erosion, Sediment Transport and Water Resources Development in Selected Catchments of Kenya. A paper Prepared for Inter-University Geography Subject Conference, Arusha, Tanzania, 1992.
- GIS and Remote Sensing in Natural Resource Inventory and Monitoring in the Third World Countries. A paper Prepared for the Geography Subject Meeting on "The Role of Geography in Land Use Management in East Africa", Arusha, Tanzania, 1992.
- Environmental Degradation in Africa: The Human Connection. A paper presented and Accepted for publication by Kengo.
- Industrial Development of the Coastal Region, Kenya. A Paper Presented in Netherlands to be considered for a Chapter in the forthcoming Coastal Management Handbook of Kenya. African Studies Centre (ASC), The Netherlands.

6.0 PAPERS PUBLISHED IN JOURNALS AND OTHER ACADEMIC AND TECHNICAL REPORTS

- Lilian Mwikali, Fuchaka Waswa and Abwao Peter (2008) “Environmental Effects of Energy Shortages

in Mavoloni Location, Machakos District, Kenya" in ***African Journal of Environmental Studies and Development***. Vol. 1 No. 1. December 2008. (ISSN: 1995 - 1329). SES, KU, 2008.

- Abwao, P and Ram Manohar (2005), "Chemistry as a Tool in water Treatment". In the Abstract Volume of the 5th International Conference of **The Kenya Chemical Society**. 22nd -26th August, 2005 whose theme was *Chemistry- Its Contribution to a Healthy Environment and Socio-Economic Development*. Kenyatta University, Nairobi, Kenya.
- Abwao, P (2004). "Environmental Impacts and Disparities Associated with Rural - Urban Migration". In Momanyi Clara *et al* (2004) (Edits). ***Disparities in Science, Technology, Environment, HIV/AIDS and Education***. Vol. 2. ATWS - Kenya Chapter. (ISBN 9966-9969-19).
- Abwao, P (2004). "Water Quality and Environmental Health Education". In Keraka N.M *et al* (2004)(Edits). ***Status of Environmental Health Education in the Eastern African Region: Opportunities, Challenges and the Way Forward***. Department of Environmental Health, Kenyatta University. KU, Unicef, UNESCO and IFRA, Nairobi. (ISBN 0001 - 0001 -1).
- Sharma, R.R and Peter Abwao (2003), "**Pollution of Nairobi's Rivers.**" ***Aquacult*** Vol. 5, No. (1), 2003.
- Manohar, R and Peter Abwao (2003), "**Surface Water Quality Appraisal.**" ***Aquacult*** Vol. 5, No. (2), 2003.
- Sharma, R.R; Manohar Ram; and Peter Abwao (2003) "Water Quality Monitoring: A Case of Nairobi River." ***Journal of Nature Conservation***. Vol. 15, No. (1), 2003.
- Sharma, R.R and Peter Abwao (2003), "Urbanization and Storm Water Management: A Case Study of Nairobi, Kenya. ***Journal of Nature Conservation***. Vol. 15, No. (2), 2003.
- Abwao, P (1999), "**Water Quality Monitoring: A Case of Nairobi**". In ***Environmental Action Learning Requirements***, pgs. 57-66. Report of a Regional Workshop; Eastern and Southern Africa, National Museums of Kenya, 24th - 28th August 1999. UNESCO/UNEP/KOEE.
- Obudho, R.A; Owuor, S.O; and Abwao, P.O (1995). "**Planning for the Development of Border Regions in Eastern and Southern Africa: The Case Study of Kenya – Tanzania Border**". University of Nairobi Institute for Development Studies (IDS), University of Nairobi.
- Abwao P. and F.A.O. Otieno (1995). "**Urbanization and Storm Water Management: A Case Study of Nairobi, Kenya.**" ***African Urban Quarterly Journal*** Volume 10 Nos. 1 and 2, February and May 1995.
- Abwao, P (1995). "**Waste Management and Self Provision Incidence by Kenyan Industry**". ***African Urban Quarterly Journal***. Vol. 10 No.1 and 2; February and May, 1995.
- George.S. Ongwenyi, F.G.O. Denga, P. Abwao and J.U. Kitheka (1993). "**Impact of Floods and Drought on the Development of Water Resources of Kenya: Case Studies of Nyando and Tana**

Catchments". IAHS Publication No. 216. IAHS Press, Institute of Hydrology, Wallingford, Oxfordshire OX10 8BB, UK. (ISBN 0 - 947571 - 73 - 6).

- George S. Ongwenyi, S.M. Kithia, F.O. Denga, P. Abwao (1993). **"An overview of the Soil Erosion and Sedimentation Problems in Kenya"**. IAHS Press - International Association of Hydrological Sciences.
- George S. Ongwenyi, S.M. Kithia, F.O. Denga and P.O. Abwao (1993). **"Environmental and Hydrological Implications of the Development of Multipurpose Reservoirs in some Catchments of Kenya: Meeting Kenya's Water Demands by the year 2010"**. IAHS Press – International Association of Hydrological Sciences.
- Abwao, P. (1992). **"Industrial Geography of Mombasa"**. In Obudho R.A (1992), **Urban and Regional Planning of Mombasa and the Coastal Region, Kenya pp.9**. Urban Centre for Research (UCR) and Institut Francais de Recherche en Afrique. UCR Meeting Report No. 92/01. (ISBN 9966 - 9885 - 1 - 3).

7.0 PAPERS PUBLISHED IN THE LOCAL PRESS

- Urban Crime: A Global Perspective. **Daily Nation**, Monday, February 7, 1994, pp.7.
- Gender Bias and the Food Crisis in Developing Countries. **Daily Nation**, Thursday, February 17, 1994, pp. 7.
- Attitudes towards Technology: An Overview. **The Anthropologist**. A Magazine of Anthropology Students Association, University of Nairobi. Vol. 1 No. 1 September/October, 1992. pp. 4-5.
- Food Crisis: Kenya needs urgent overhaul. **Kenya Times**, Tuesday, July 16, 1996, pp 16.
- Way Out of the Transport Jungle. **Kenya Times**, Tuesday, July 16, 1996, pp. 16.
- Drought: Solutions Sought. **Kenya Times**, Tuesday, July 23, 1996.
- Getting Science to Serve and Aid the World. **Kenya Times**, Tuesday, July 30, 1996, pp. 15.
- Why Our Water Resources must be conserved. **Kenya Times**, Tuesday, August 1996, pp. 13.

8.0 ARTICLES PUBLISHED IN ACADEMIC PERIODICALS

- Peter Abwao (2000). **"Overcoming the Water Crisis"**. In *Eco News Africa*. July 2000, pp.3-5.
- Peter Abwao (2000). **"Integrated Water Management could solve Urban Crisis"**. In *Eco News Africa*. March 2000, pp.7-8.
- Peter Abwao (2000). **"Nairobi River still a Health Hazard"**. In *Eco News Africa*. March 2000, pp.12-14.
- Peter Abwao (2000). **"World Facing Chronic Water Shortage"**. In *Biosafety News*, August 2000, No. 11, pp.5. Picasso Productions.
- Peter Abwao (2000). **"300 Million Africans Live Without Enough Safe Drinking Water"**. In *Biosafety News*, September 2000, No. 12, pp.5. Picasso Productions.
- Peter Abwao (2000). **"Groundwater Accounts for 97% of Earth's Freshwater"**. In *Biosafety News*, October 2000, No. 13, pp.5. Picasso Production.
- Peter Abwao (2000). **"Water Shortages: Where did Kenyans go Wrong?"** In *Biosafety News*, November 2000, No. 14, pp. 5. Picasso Productions.
- Peter Abwao (2000). **"300 Million Africans Living in Water-Scarce Conditions"**. *Biosafety News*, No. 15 pg. 5. Picasso Production, Nairobi.
- Peter Abwao (2001). **'Water Sector: Which Way Forward.'** In *Eco News Africa*. February 2001, pp. 13-16. Econews Africa.
- Peter Abwao (2001). **'Community Management of Water Resources Essential.'** In *Biosafety News*. January 2001, No.16, pp. 5. Picasso Productions.
- Peter Abwao (2001). **'Water is Still Scarce in Many African Countries.'** In *Biosafety News*. February 2001, No.17, pp. 5. Picasso Productions.
- Peter Abwao (2001). **'How Safe is Our Drinking Water?'** In *Biosafety News*. March 2001,

No.18, pp. 5. Picasso Productions.

- Peter Abwao (2003). ***“Water: A Great Tool for Poverty Reduction.”*** *Biosafety News*, April 2003. pp. 15. Picasso production.
- Peter Abwao (2003), ***“Water Quality and Its Impact on Our Health”.*** *Biosafety News*, May, 2003. Pp.13. Picasso Production.

9.0 BOOK REVIEWS

- ***“Techniques in Geography”***, by Richard T. Ogonda (1991), in ***“African Urban Quarterly Journal”***, Volume 8. Nos. 1 and 2 of February and May, 1993: pps. 170-172. Special Issue on Environmental Resources and Infrastructure Management in Sustainable Self-Reliance Local-Level Development in Africa.
- ***“Urban Air Pollution”***, by UNEP/GEMS (1991), in ***“African Urban Quarterly Journal”***, Volume 8 Nos. 1 and 2 of February and May, 1993. pps. 168-169. Special Issue on Environmental Resources and Infrastructure Management in Sustainable Self-Reliance Local-Level Development in Africa.
- ***“Incomes Policies in the Wider Context. Wage, Price and Fiscal Initiatives in Developing Countries”***, in ***“African Urban Quarterly”***, Volume 9 Nos. 1 and 2, February and May 1994: pgs. 165-166.

10.0 BOOK CHAPTER(S)

1. Agwata, J.F. and Abwao P. (2007): ***“Socio-economic and Environmental Concerns of Water Resources Management in Tana Basin, Kenya”***. In Waswa, F. et.al (Eds.), ***Environment and Sustainable Development: A Guide for Higher Education in Kenya***, Vol. II. Funded by the Japan Society for the Promotion of Sciences, Nairobi Research Station. School of Environmental Studies and Human Sciences, Kenyatta University. (ISBN: 1966-776-: 34-6).
2. Peter Abwao and Robert. A. Obudho (2007). ***Resources of Arid and Semi-Arid Lands of Kenya: Development Opportunities and Constraints.*** In ***“Perspectives in Resource Management in Developing Countries: Population, Resources and Development”***. Volume – 2 Part 1 Edited by Baleshwar Thaku; Page 205. Concept Publishing Company. A 15 & 16, Commercial Block Mohan Garden, New Delhi – 110 059. ISBN:- 81 – 8069 – 402 – X.

11.0 CONSULTANCY PROPOSALS DEVELOPED AND IMPLEMENTED UNDER MY SUPERVISION (Before starting to teach at the university)

- Socio-economic and cultural implications of Female Genital Mutilation (FGM) Among Nomadic Pastoral Societies of North-east Kenya.
- Sustainable Agro-forestry in North-east Kenya: A Case of Takaba and Banisa in Moyale District.
- Socio-economic and cultural factors Influencing Education of Somali Women and Girls in North-eastern Kenya.
- Female Genital Mutilation (FGM) Awareness Campaign in Garissa District.
- HIV/AIDS Pandemic in Muslim Areas of Kenya.
- Participatory Rural Appraisal of Drought and Desertification in Northeast Kenya.
- Conservation of *Gum Arabica* Tree (An Endangered species) in Mandera District.
- Support for Small-Scale Business Community in Mandera town, Kenya.
- Development In North-East Kenya: Constraints and Opportunities (A TV Documentary Project for Mandera, Garissa and Wajir districts, Kenya).

12.0 WORKING EXPERIENCE

- Lead rapporteur at the Inception Workshop on Enhancing Integrated Management Options of Lake Ol Bolossat Basin through Evaluation of Impacts of Climate Variability, Land Use and land Cover Changes.” PCEA Church Hall, Nyahururu on 22nd October, 2009.
- Lead rapporteur at the First National FGM symposium. UN Complex, Gigiri, Conference Hall 1, April 21st - 22nd 1998.
- Research Assistant (Series Editor) with World Bank during the preparation of Environmental Action Plans for ASAL Districts in Kenya. (World Bank/GTZ Project, 1993).
- Research Assistant with World Bank during the Evaluation of a Report on Land Use

practices in ASAL Districts of Kenya (1993).

- Research Assistant during the updating of a report on the Base Line Survey for Samburu district (USAID, 1993).
- Official Rapporteur at the International Workshop on Urban and Regional Planning of Mombasa and the Coastal Region, Kenya. Mombasa Beach Hotel, Mombasa, Kenya. 18-22, May 1992. IFRA and Department of Geography, University of Nairobi, Kenya.
- Official Rapporteur at the Workshop on the Social and Economic Impact of HIV/AIDS in Kenya, Nairobi 8-10 July 1992. Ford Foundation and Population Studies and Research Institute (PSRI), University of Nairobi.
- Official Rapporteur at the International Seminar on Local and Regional Development Options for the Next Decade: Eastern and Southern Africa. 22-24 September 1992, Nairobi, Kenya. United Nations Centre for Regional Development, UNCRD, Nagoya, Japan and University of Nairobi.
- Official Rapporteur at the Workshop on Effects of Military Training Exercises on Pastoral Livelihoods in Kenya. Sportsman Hotel, Nanyuki, Kenya. 1st - 3rd August 2000. Action Aid Kenya.
- Involved in Examination of Continuous Assessment Tests for the Undergraduates (BA & Bsc) Geography Students in Hydrology and Geomorphology as part of Post-graduate Training, Department of Geography, University of Nairobi.
- Participated in the design and compilation of the MA/MSc Programme in Environmental Enhancement, Planning and Management at the University of Nairobi, Department of Geography, 1993.
- Employed by Public Service Commission of Kenya on 5th June 1991 in the Ministry of Water Development as a Hydrologist II.
- Research Associate with Urban Centre for Research, Nairobi, 1990 - 1993.
- Resource Person and Computer Trainer at the Nairobi Laboratory for Remote Sensing (NALARES), Nairobi, 1994.
- Presenting two educational programs on **Kenya Broadcasting Corporation (KBC) English Service Radio** entitled:-

(i) **Water and Society.**

This is a 15-minutes script program. I conduct research for the script, write the script and present the script at scheduled recording time in the studio. All the programs so far documented are available in hard copies, soft copies and audio formats for reference at KBC English Service, Nairobi. Some of the programs presented include: -

- Deteriorating water quality situation within Lake Victoria Drainage Basin (a two part series)
 - Water quality situation in Lake Victoria Drainage Basin.
 - Meeting Basic Human Needs for water.
 - Origin and Development of irrigation.
 - Problems of water Resources Development in Kenya.
 - Soil Erosion, Sedimentation and Water Resources Development in Kenya.
 - Water for Sustainable Arid Lands Development.
 - Factors to consider when putting up a New Water Supply Project.
 - The Impacts of Climate Change on Water Resources.
 - Climate change and Wetlands.
 - Water Sharing as the Road Map to Peace in the Middle East.
 - The status of water on the International Agenda.
 - Pollution of our children's water.
 - Water and Health in Urban Areas.
 - The Water Cycle and Man.
 - Water Resources Management.
 - Multi-purpose Water Development Projects.
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- Water as a Resource Base in Africa.
 - Appropriate Approaches to Water Resources Planning.
 - Making Friends with Water.
 - Water Quality and Human Health in Rural Areas.
 - Urban Storm Water Management.
 - The Fate of Lake Nakuru and its Impact on Local Communities and Flamingos (two part series).
 - The Current State of Lake Victoria and the Water Hyacinth.
 - Factors considered while preparing a district water development plan.
 - Floods and flood control.
 - Water: Lifeblood or commodity?
 - Water and sanitation.
 - Pollution of Nairobi River (studio interview).
 - Rainwater Harvesting (studio interview with a water expert).
 - The water hyacinth (studio interview with a water expert)

The following are special KBC Radio Programs I documented for **The British Council** in 1996 and are all available at the British Council and Kenya Broadcasting Corporation libraries for reference:

- Water Quality and Human Health in Rural Areas of Kenya.
- Urbanization and Water related Health Problems.
- Pollution of Our Children's Water.
- Water for Improving the Status of Nomadic Pastoral Women of Arid and Semi-arid lands of Kenya.
- Water Allocation and Gender Bias.
- Access to Water and Sanitary Facilities in Poor Urban Areas.
- Pollution of Nairobi River and Associated Health Implications.
- Water, Health Education and Community Participation.
- An overview of Water Scarcity in Kenya and its Health Implications.
- The Role of Women in Water Resources Development and Management in Kenya.

(ii) **Forum for Understanding**

This is a 30-minutes radio talk show (discussion program) on topical and informative issues. Panellists must be distinguished scholars and experts in their areas of expertise and specialization.

Employed as a Tutorial Fellow at Kenyatta University, Department of Environmental Socio-cultural studies on 11th June 1997 and later promoted to Assistant Lecturer on 12th February 1999 in the same Department. I am currently a full time Lecturer in the Department of Environmental Studies and Community Development. Duties involve research, teaching, supervision and examination of both undergraduate and post-graduate students.

- Consultant with **Northern Aid**, a Local NGO Operating in North-eastern Kenya. Duties involve liaising with other NGO's and Donor Agencies, Proposal preparation, Project Monitoring, evaluation and Report Writing.
- Consultant with **Womankind Kenya**, a Local NGO Operating in North-eastern Kenya. Duties involve Proposal Development, liaising with other NGO's and Report Writing.
- Chairman, Editorial Committee, **Northern Kenya Monitor**. A Quarterly Newsletter of **Northern Aid**.

- Chairman, Editorial Committee, **Wokike News**. A Quarterly Newsletter of Womankind Kenya.
- 1998 - 1999: A member of the Nairobi Centennial Celebrations steering committee.
- Working as a Columnist with **Biosafety News**, a Monthly Periodical, which Focuses on Topical, issues on Biotechnology, Agriculture, Environment and Health. **This is a Picasso Media House Print Production.**
- **Appointed as Sessional Lecturer at the Technical University of Kenya (TUK), 2013 – 2015 in the Department of Geography and Earth Sciences.**
- **Appointed as a Part-time Lecturer at Mama Ngina University College, Department of Environment, Hospitality and Extension Studies (17th December, 2024 to - date).**

13.0 SUPERVISION OF POSTGRADUATE RESEARCH PROJECTS AT THE UNIVERSITY

I have supervised several undergraduate research projects and the following post-graduate research projects:-

- Karienyé David Kamau, N50/CE/11409/2008, “The Impacts of Climate Change on Rural Livelihoods in Nyeri South District, Kenya”.
- Gerald Irungu Maina N50/CE/11935/2007, “Community-based Opportunities and Challenges of using Water Reclaimed from the Ruai sewage Plant in Nairobi.”
- Mule James Kamakya N50/CE/11936/2007, “Analysis of Stakeholder Conflicts in Water Resource use and Management in the lower Thika River Basin, Central Kenya.”
- Shillah Imeldah Karimi, “An Evaluation of the Proposed Institutional Framework for Implementing Integrated Water Resources Management (IWRM) in Kenya: A Case Study of Ewaso Nyiro North Drainage Basin”. Project report in partial fulfilment for the degree of Master of Science in Integrated Water Resources Management. University of Zimbabwe, Department of Civil Engineering (MSc IWRM Programme) in Collaboration with UNESCO - IHE (2005).
- Faith K. Gathingu N50/9016/2000, “The Potential for Rainwater Harvesting in Nairobi, Kenya.” Project report submitted in partial fulfilment of the requirements for the Master of Environmental Planning and Management at Kenyatta University (2002).

14.0 ADMINISTRATIVE DUTIES AT KENYATTA UNIVERSITY INCLUDE: -

- (a) Appointed on 25th March 2025 to the reorganised School of Agriculture and Environmental Sciences School Quality Team as QMS Coordinator, Department of Environmental Studies and Community Development.**
- (b) Appointed as acting UNESCO Chair, 24th – 28th March 2025.**
- (c) Appointed as Departmental Academic Programs Development Committee Member, 1st October, 2024.
- (d) Appointed as Departmental Strategic Plan, Quality Management and Standards Coordinator, 26th September, 2024.
- (e) Appointed as Member of Departmental Curriculum Review Committee, 20th January 2024).
- (f) 2001 - 2012: Departmental Undergraduate Research Projects Co-ordinator.
- (g) 2001 to 2005: Departmental Field Courses/Field Trips Co-ordinator.
- (f) Departmental Examinations Coordinator. (Appointed on 8th December 2000 to 2007)
- (g) Departmental Representative, Board of Under-graduate Studies (BUS). (2001-2002).
- (h) Departmental Practicum Coordinator. (Appointed on 8th December 2000 to 2004)
- (i) Secretary, African Journal of Environmental Studies (AJES).
- (j) (2016 –to-date): Academic Advisor and mentor to Second Year undergraduate students.
- (k) Re-appointed Departmental Practicum Co-ordinator (2017)

17.0 PROFESSIONAL AND ACADEMIC LINKAGES

I have professional and academic linkages with the following organizations:-

- Taylor and Francis Group (Academic Publishing).

- Global Water Partnership (GWP).
- Stockholm International Water Institute (SIWI), Sweden.
- Forest Action Network (FAN), Kenya.

18.0 AWARDS RECEIVED

- **Awarded a certificate on completion of a training on “Meet the Editor: Publishing Research in Materials Science and Engineering”. Held virtually on November 23rd, 2023. Taylor and Francis Group. an informa business.**
- **Awarded a certificate on completion of a training on New Research Management System (KENRIS) and Science, Technology and Innovation (STI) Mainstreaming held virtually on 19th May 2022. Kenyatta University and National Commission for Science, Technology and Innovation (NCOSTI).**
- **Voted the best Lecturer (2004/2005 Academic Year) and awarded a certificate of merit in the Department of Environmental Planning, Management and Community Development under Environment and Community Development Program. The certificate was awarded by Kenyatta University Students Association (KUSA) through the office of the Deputy Vice-Chancellor (Academic), Kenyatta University.**
- **Awarded a DAAD Sandwich Scholarship for a PhD Research Thesis entitled “Impacts of Land use Practices on Water Quality of the Yala River Basin”. School of Environmental Studies and Human sciences, Kenyatta University, 2002.**
- **Awarded a Certificate of Commendation for attending the International Conference on Sustainable Management of Headwater Resources held at USIU, Nairobi from 5th – 8th September, 2002. Organised by United Nations University, Japan and United States International University, Nairobi, Kenya.**
- **Awarded a Certificate of Commendation for Valuable Contribution towards saving Nairobi’s Rivers. “The Nairobi River Basin Project”. United Nations Environment Program and UN-HABITAT. March 25th, 2000.**
- **Awarded a Certificate of Training and Networking for Environmental Action Learning (EAL) Requirements. 24th – 28th August 1999. UNESCO, UNEP and Kenya Organization of Environmental Education (KOEI).**

- **Awarded a Certificate of Participation in the Training Workshop on “The Role of Gender in Poverty Alleviation and Natural Resource Conservation and Management in Luanda Division of Vihiga District, western Kenya”. Rock Motel, Kisumu. March 28th – 31st, 1999. Kenyatta University, DFID (The British Council) and Nottingham Trent University.**
- **Awarded a Certificate for collaborating in the Demographic Survey carried out in the Village of Katwekera, Kibera, Nairobi between the 20th of July and the 6th of August 1996. MSF – SPAIN, Kibera Clinic.**
- Awarded a Master of Science (MSc.) Scholarship by the University of Nairobi on 14th September 1990 to undertake a post-graduate Degree program in Hydrology in Geography Department at the same University (1990 - 1992). The degree was successfully completed and awarded during the 1994 graduation ceremony.
- Awarded a Government of Kenya (GOK) scholarship through Higher Education Loans Board (HELB) to undertake a Bachelor of Science (BSc.) degree (general) program at the University of Nairobi, Geography Department (1987 – 1990). The degree was successfully completed and awarded during the 1990 graduation ceremony. I obtained a Second-class honours degree, Upper Division.
- Declared the best final year student at undergraduate level in the Department of Geography (Science), the University of Nairobi (1990). Received a Cash award of KShs.2, 000.00/= during the University prize giving day, courtesy of *African Urban Quarterly Limited. Nairobi.*
- 1986 National Secondary Schools Science Congress (Chemistry talk on glucose extraction from plants). Awarded a 3rd position Certificate.
- The best Geography student (A-Level mock examinations) at Kakamega High School. Awarded a textbook entitled, "**Physical Geography of Kenya**" by F.F Ojany and R.B Ogendo. Published by Macmillan, Kenya.
- Voted the Best House Captain (Chapman House), at Kakamega High School (1985 - 1986).

19.0 BASIC COMPUTER KNOWLEDGE

1. Applied GIS (IDRISI) - Grid Based Geographic Information System
2. Ms Excel
3. MS Word