


## Academic Staff Profile

### 1.1 Personal Profile

#### 1.1.1 Personal Details

<p><b>Name:</b> Prof. Steven Gichuki Njuguna <b>Title/Qualifications:</b> Associate Professor/B.Sc. (First Class Hons), M.Sc, Ph.D <b>Department:</b> Environmental Sciences and Education <b>Designation/Position:</b> Associate Professor <b>Email:</b> njuguna.steven@ku.ac.ke <b>Contact Address:</b> Kenyatta University, P.O. Box 43844-00100, Nairobi, KENYA <b>Areas of Specialization:</b> Aquatic ecology, biodiversity, environmental impact assessment <b>Research Interests:</b> Aquatic ecology, Wetland ecology, Limnology, Biodiversity assessment, Environmental impact assessments (EIA), Alien invasive species <b>Google Scholar:</b> <b>ORCID ID:</b></p>	
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#### 1.1.2 Academic & Professional Qualifications

Ph.D. in Aquatic Ecology, University of Nairobi, 1983

M.Sc. in Botany, University of Nairobi, 1979

B.Sc (First Class Honors) in Biological Sciences, University of Nairobi, 1976

Dip. Ed. Kenya Science Teachers College, 1972

#### 1.1.3 Employment History

Associate Professor of Environmental Science, Department of Environmental Science and Education, Kenyatta University. March 2003 to present.

Environmental Consultant, Biodiversity and Wetlands Specialist, SPARVS Agency Ltd. and Part-time Lecturer in Aquatic Ecology, University of Nairobi. 1996 to 2002.

Programme Director, IUCN Eastern Africa Regional Office, Nairobi, Kenya. 1994 to 1995

Acting Regional Representative, IUCN Eastern Africa Regional Office, Nairobi, Kenya. 1994

Coordinator, IUCN Eastern Africa Biodiversity Conservation Programme, 1992 to 1995

Associate Director, National Museums of Kenya, 1989 to 1992

Associate Professor of Environmental Studies, School of Environmental Studies, Moi University, 1988 to 1989.

Senior Lecturer in Ecology, Department of Botany, Kenyatta University, 1986 to 1988.

Lecturer in Ecology and Aquatic Botany, Department of Botany, University of Nairobi, 1982 to 1985.

Assistant Lecturer in Ecology, Department of Botany, University of Nairobi, 1980 to 1982.

Teaching Assistant (TA) in Limnology and Marine Science, University of California, Santa Barbara, USA, 1978 to 1979.

Demonstrator in Botany, Department of Botany, University of Nairobi, 1976 to 1978.

#### 1.1.4 Achievements

Ramsar Convention on Wetlands Scientific and Technical Review Panel (STRP Member), 2003-2005.

Wetland Conservation Award presented by the Kenya Wetland Working Group. 1998.

East African Environmental Network (EAEN) Environmental Leadership Award. 1997.

Alternate Representative for Africa, Ramsar Convention on Wetlands Convention Standing Committee, 1990 to 1992.

University of Nairobi, B.Sc. First Class Honours Degree. 1976.

Kenya Science Teachers College, Overall Best Student Award. 1972.

## 1.2 Publications

### 1.2.1 Referred Journals

Nzeve, J.K., Njuguna, S.G. and Kitur, E.C. 2015. Assessment of heavy metal contamination in surface water of Masinga Reservoir, Kenya.. **Journal of Natural Sciences Research. Vol.5. No.2. 101-108.**

Nzeve, J.K., Kitur, E.C. and Njuguna, S. G. 2014. Determination of heavy metals in sediments of Masinga Reservoir, Kenya. **Journal of Environment and Earth Science, Vol. 4, No. 20. 125-132.**

Nzeve, J. K. Njuguna, S.G. and Kitur, E.C. 2014. Bioaccumulation of heavy metals in *Clarias gariepinus* and *Oreochromis spirulus niger* from Masinga Reservoir, Kenya. **Journal of Environmental Science, Toxicology and Food Technology, Vol. 8, Issue 10. 58-63.**

Njuguna, S.G. 2002. Lake Naivasha in Kenya in danger of extinction.

<http://www.worldlakes.org/shownews.asp?newsid=678>

Kotut, K., Njuguna, S.G., Muthuri, F.M. and Krientz, L. 1999. The physico-chemical conditions of Turkwell Gorge Reservoir, a new man-made lake in northern Kenya. **Limnologia 29: 377-392**

Njuguna, S.G. 1994. Biodiversity and its relation to the aquatic environment. In: **Water and Environment**. IHE Report Series 29: 165 -171.

Visser, N. and Njuguna, S. 1992. Environmental impacts of tourism on the Kenya Coast. **UNEP Industry and Environment. Vol. 15 (3-4): 42 - 52.**

Njuguna, S.G. 1988. Nutrients and phytoplankton in a tropical soda lake. **Hydrobiologia 158: 15-28.**

### 1.2.2 Books and Books Chapters

Njuguna, S.G., Foxall, C.D. and Litterick, M. R. 1985. A preliminary study of the water quality of Lake Victoria, Kenya. In: **Pollution in the Urban Environment**. (Eds) M.W.H. Chan, R.W.M. Hoarse, P.R. Holmes, R.S.J. Law and S.B. Reed. Elsevier Applied Science Publishers. London & New York. 699 pp.

Grootenhuis, J.G., Njuguna, S.G. and Kat, P.W. 1991 (Eds). Wildlife Research for Sustainable Development. Proceedings of the **International Conference on Wildlife Research and Sustainable Development**. KARI, KWS, NMK. Nairobi, Kenya. 22 to 26 April 1990. 171 p.

Crafter, S.A., Njuguna, S.G. and Howard, G.W. (Eds). 1992. Wetlands of Kenya. **Proceedings of the KWWG Seminar on Wetlands of Kenya, National Museums of Kenya, 3 to 5 July 1991**. International Union for Conservation of Nature and Natural Resources (IUCN). viii + 183 pp.

Njuguna, S.G. 1992. The Ramsar Convention: its role in promoting sustainable utilization of African wetlands. In: Matiza, T. and Chabwela, H.N. (Eds). **Proceedings of the Southern African Development Coordination Conference held in Gaborone, Botswana, 3 to 5 June 1991**. IUCN, Gland, Switzerland. x + 224 pp.

### 1.2.3 Conference/Workshops/Seminar Papers

#### 1.2.3.1 Conference Papers

Njuguna, S.G. 1980. Dissolved oxygen and biochemical oxygen demand relationship in a polluted river, the Nairobi River (Kenya). **The XXI Congress of International Association on Theoretical and Applied Limnology**. 24 to 31 August 1980, Kyoto, Japan. 223 p.

Njuguna, S.G., Foxall, C.D. and Litterick, M.R. 1986. The concentrations of DDE residues in *Lates niloticus* (Nile Perch) in Lake Victoria, Kenya. Paper presented at the **International Symposium on African Wildlife**. Kampala, Uganda. 8 to 11 December, 1986. 15 pp.

Gray, L.S. and Njuguna, S.G. 1986. Aspects of the Ecology of Lake Bogoria, Kenya. Abstract M.26-Steadman D-4.40. **Ontario Ecology & Ethology Colloquium**. York University, Toronto, Canada. 26 to 27 May 1986. 8 pp.

Njuguna, S.G. 1988. Limnology and phytoplankton in Lake Bogoria, Kenya. Paper presented at the **East African Wildlife '88 Conference**. 6 to 10 September 1988. Kilaguni, Kenya.

Njuguna, S.G. 1990. Securing funding for environmental projects. Paper presented at the **ICOM/CECA Conference on Museums and Environment**. 16 to 22 September 1990, Gaborone, Botswana. 6 pp.

Njuguna, S.G. 1985. Nutrients and phytoplankton in Lake Victoria (Kenya). Paper presented at the **Conference on Ecological Status of Lake Victoria**. 17 to 20 March, 1985, Kakamega, Kenya. 28 pp.

### **1.2.3.2 Workshops Papers**

Njuguna, S.G. and Gaudet, J.J. 1979. Seasonal and longitudinal variation of physical, chemical and biological conditions in a polluted river in Kenya. Poster Paper No. 74 presented at the **SIL-UNEP Workshop on African Limnology**, 16 to 23 December, 1979. Nairobi, Kenya.

Njuguna, S.G. 1983. Marine macrophytes: taxonomy, ecology and their economic importance in Kenya. Country paper presented at the **Commonwealth Science Council International Workshop on Marine Science**. 11 to 16 May, 1983, Mombasa, Kenya.

Njuguna, S.G. 1990. Introduction to environmental planning. Paper presented at the **ANEN Environmental Management and Planning Training Workshop for NGOs**. 2 to 9 September, 1990. Nairobi, Kenya. 8 pp.

Njuguna, S.G. 1984. Aquatic plant life in Kenya: status and perspectives for future research. In: **Proceedings of the workshop on status and options for management of plant communities in Kenya**. March, 1984. Nairobi, Kenya. 190-203 p.

Njuguna, S.G. 1985. Nutrient-productivity relationships in a tropical meromictic soda lake. Paper presented at the **Third International Symposium on Inland Saline Lakes**. 27 to 30 August 1985, Nairobi, Kenya. 37 pp.

### **1.2.3.3 Seminar Papers**

Njuguna, S.G. 1990. The role of universities and related institutions in promoting sustainable development. Paper presented at the **IUBS/CBE Seminar on Biological Education for Sustainable Development**. 27 August to 1 September, 1990. UNEP, Nairobi, Kenya.

Njuguna, S.G. 1992. CITES: The Convention on International Trade in Endangered Species of Wild Fauna and Flora. Appendices and listing criteria. Paper presented at the **National CITES Steering Committee Seminar**, Naivasha, Kenya, 8 to 9 October, 1992. 7 pp.

### **1.2.5 Student Co-authored Publications**

Nzeve, J.K., Njuguna, S.G. and Kitur, E.C. 2015. Assessment of heavy metal contamination in surface water of Masinga Reservoir, Kenya. **Journal of Natural Sciences Research**. Vol.5. No.2. 101-108.

Nzeve, J.K., Kitur, E.C. and Njuguna, S.G. 2014. Determination of heavy metals in sediments of Masinga Reservoir, Kenya. **Journal of Environment and Earth Science**, Vol. 4, No. 20. 125-132.

Nzeve, J. K. Njuguna, S.G. and Kitur, E.C. 2014. Bioaccumulation of heavy metals in *Clarias gariepinus* and *Oreochromis spirulus niger* from Masinga Reservoir, Kenya. **Journal of Environmental Science, Toxicology and Food Technology**, Vol. 8, Issue 10. 58-63.

Kotut, K., Njuguna, S.G., Muthuri, F.M. and Krientz, L. 1999. The physico-chemical conditions of Turkwell Gorge Reservoir, a new man-made lake in northern Kenya. **Limnologica** 29: 377-392

#### **1.2.4 Other Publications**

Njuguna, S.G. 1990. Biological Resources Program: National Museums of Kenya. **Biological Conservation Newsletter 92: 1.**

Njuguna, S.G. 1991. Water Hyacinth: The world's worst aquatic weed infests Lakes Naivasha and Victoria. **Swara Vol. 14(6): 8-10.**

Njuguna, S.G. 1990. Biological Resources Program: National Museums of Kenya. **Biological Conservation Newsletter 92: 1.**

Njuguna, S.G. 1991. Water Hyacinth: The world's worst aquatic weed infests Lakes Naivasha and Victoria. **Swara Vol. 14(6): 8-10.**

Njuguna, S.G. and Nico, V. 1995. Environmental impacts of tourism on the Kenya Coast. **Wajibu: A Journal of Social and Religious Concern**, Vol. 10 No. 1: 14-20.

Njuguna, S.G. and Martinet, C. 1995. A scientific and economic framework for wild and cultivated biodiversity management and enhancement in Africa. **Stockholm Environment Institute, Stockholm, Sweden, and International Academy of the Environment, Geneva, Switzerland. Working Paper**, No. 27. 10 pp.

#### **1.3 Research**

Njuguna, S.G. 1978. A study of the effects of pollution on a tropical river. University of Nairobi research grant of US\$ 4,000.

Njuguna, S.G. 1982. Nutrient-productivity relationships in tropical Naivasha Basin lakes, Kenya. National Council of Science and Technology grant of US\$ 6,000.

Njuguna, S.G., Foxall, C.D. and Litterick, M.R. 1985. A study of water quality of Lake Victoria, Kenya. ETMA/Lake Basin Development Authority grant of US\$ 5,000.

Njuguna, S.G. 1987. Jubba Environmental and Socio-economic Studies, Jubba River Basin, Somalia. USAID grant of US\$ 20,000.

Njuguna, S.G. 1999. Studies towards a long-term conservation intervention in the Lake Bogoria catchment. WWF grant of US\$ 15,000.

Njuguna, S.G. 2000. Artificial flood release from reservoirs to maintain downstream wetland ecosystems in Tana River. DFID grant of US\$ 9,000.

Njuguna, S.G. 2004. Effects of Kimira-Oluch small holder irrigation development in Lake Victoria basin, Kenya. LBDA/AfDB grant of US \$ 20,000.

Njuguna, S.G. 2007. Environmental and Social Management Framework (ESMF) for Kenya agricultural productivity. World Bank/KARI grant of US\$ 25,000.

#### **1.4. Funded Projects**

Njuguna, S.G. 2001. International Coral Reef Action Network: Comoros, Kenya, Madagascar, Mauritius. Mozambique, Seychelles and Tanzania. UNEP grant of US\$ 40,000.

Njuguna, S.G. 2002. The Kibera Urban Environmental Sanitation Project (KUESP). DFID grant of 15,000.

Njuguna, S.G. 2005. Western Kenya Integrated Ecosystem Management Project (WKIEMP). World Bank/KARI grant of US \$ 20,000.

Njuguna, S.G. and Waswa, F. 2009. Horn of Africa Regional Environmental Network (HoA-REN). HoA-REN grant of US\$ 80,000.

Njuguna, S.G. and Muriuki J. 2010. Capacity building workshop for ministerial and departmental focal points to mainstream climate change into policies and planning. UNDP grant of US \$ 20,000.

## 1.5 Conferences/Workshops/Seminars Attended

### 1.5.1 Conferences Attended

- Njuguna, S.G. 2013. Greater Nairobi Regional Centre of Excellence: challenges and opportunities. Kakamega, Kenya. 2<sup>nd</sup> August 2013. Kenyatta University, UNU.
- Njuguna, S.G. 2013. Environmental and social impacts of road construction along Lake Victoria shoreline. Port Victoria, Kenya. 21<sup>st</sup> June 2013. KeRRA.
- Njuguna, S.G. 2008. Western Kenya Integrated Ecosystem Management. Kisumu, Kenya. January 2008. World Bank/KARI.
- Njuguna, S.G. 2005. An integrated management plan of Kilombero Valley Floodplain Ramsar Site, Tanzania. Dar es Salaam, Tanzania. Belgium/BTC.
- Njuguna, S.G. 2002. International Coral Reef Action Network (ICRAN) Demonstration and Target Sites. Nairobi, Kenya, 2002. UNEP.
- Njuguna, S.G. 2002. Conservation of Resources through Enterprise (CORE). Nairobi, Kenya. 2002. MIS/USAID.
- Njuguna, S.G. 2000. Conservation and Sustainable Use of Biodiversity in the Eastern Rift Valley Lakes, Ethiopia, Kenya, Tanzania. Awassa, Ethiopia, 2000. UNDP/UNEP/ GEF
- Njuguna, S.G. 1999. Biodiversity Monitoring and Evaluation. Victoria Falls, Zimbabwe, 1999. BSP/USA.
- Njuguna, S.G. 1999. Environmental Conservation with a Focus on Biodiversity Information Management and Gender. Kampala, Uganda. 16<sup>th</sup> June 1999. Commonwealth Secretariat.
- Njuguna, S.G. 1998. Biodiversity Data Management Capacitation in Developing Countries and Networking Biodiversity Information. Washington, D.C., USA, 1998. UNEP/GEF.
- Njuguna, S.G. 1998. Kenya Wildlife Service (KWS) Environmental Impact Assessment (EIA) Guidelines and Administrative Procedures. Nairobi, Kenya. 1998. Netherlands Government.
- Njuguna, S.G. 1994. IUCN-The World Conservation Union, 19<sup>th</sup> General Assembly, Buenos Aires, Argentina.
- Njuguna, S.G. 1993. Ramsar Convention, Fifth Meeting of the Conference of Parties, Kushiro, Japan.
- Njuguna, S.G. 1992. Ramsar Convention Bureau. Ramsar Evaluation and Monitoring Mission and Conference, St. Lucia Wetlands, South Africa.
- Njuguna, S.G. 1992. 14<sup>th</sup> World Congress on National Parks and Protected Areas, Caracas, Venezuela.
- Njuguna, S.G. 1990. IUCN-The World Conservation Union, 18<sup>th</sup> General Assembly, Perth, Australia.
- Njuguna, S.G. 1990. ICOM/CECA Conference on Museums and Environment, Gaborone, Botswana.
- Njuguna, S.G. 1990. Ramsar Convention, Fourth Meeting of the Contracting Parties, Montreaux, Switzerland.
- Njuguna, S.G. 1989. CITES Seventh Conference of Contracting Parties, Lausanne, Switzerland.
- Njuguna, S.G., Foxall, C.D. and Litterick, M.R. 1986. The concentrations of DDE residues in *Lates niloticus* (Nile Perch) in Lake Victoria. Kampala, Uganda 8<sup>th</sup> to 11<sup>th</sup> December 1986. UNEP.
- Njuguna, S.G. 1985. UNEP/EPCOM International Conference on Pollution and the Urban Environment, POLMET '85, Hong Kong.

### 1.5.2 Workshops Attended

- Njuguna, S.G. 2010. UNDP capacity building workshop for ministerial and departmental focal points in Kenya to mainstream climate change into policies and planning, Baringo, Kenya.
- Njuguna, S.G. 1999. Biodiversity Support Program (BSP), USA Pan-African Workshop on Biodiversity Monitoring and Evaluation (BIOME). Victoria Falls, Zimbabwe.
- Njuguna, S.G. 1999. Commonwealth Secretariat/MUIENR, Uganda Regional (Africa-wide) Training Workshop on Environmental Conservation with a Focus on Biodiversity Information Management and Gender. Kampala, Uganda.

Njuguna, S.G. 1995. Biodiversity Support Program (BSP, USA), Biodiversity Monitoring and Evaluation (BIOME), African Biodiversity Projects Managers and Implementers Workshop. Ouagadougou, Burkina Faso.

Njuguna, S.G. 1994. Commission of European Union, Strategy Workshop on Protected Areas and Biodiversity Conservation in African, Caribbean and Pacific Countries, Victoria Falls, Zimbabwe.

Njuguna, S.G. 1993. GEF/FAO/IUCN Wetland Biodiversity Workshop, Nakuru, Kenya.

Njuguna, S.G. 1993. GEF/FAO Biodiversity Workshop, Arusha, Tanzania.

Njuguna, S.G. 1992. IUCN Wetlands Program Review Workshop, Costa Rica and Nicaragua.

Njuguna, S.G. 1990. IUCN/IWRB Wetlands Conservation and Management Workshop, Uganda.

Njuguna, S.G. 1990. ANEN Environmental Management and Planning Training Workshop for NGOs, Nairobi, Kenya.

Njuguna, S.G. 1985. USAID-NPS and FERS Mahidol University, Training of Trainers Workshop on Coastal Zone Management. Bangkok, Thailand.

### **1.5.3 Seminars Attended**

Njuguna, S.G. 2020. ICS Kiambu County Water and Sewerage Company Directors Seminar on Corporate Governance, Naivasha, Kenya.

Njuguna, S.G. 1997. USAID/KWS Seminar on African Regional Environmental Assessment, Nyeri, Kenya.

Njuguna, S.G. 1991. IUCN Wetlands of Tanzania Seminar, Morogoro, Tanzania.

Njuguna, S.G. 1991. International Nature Conservation (IUCN) Seminar, UIMP-ICONA, Cuenca, Spain.

Njuguna, S.G. 1990. IUBS/CBE Seminar on Biological Education for Sustainable Development, UNEP, Nairobi, Kenya.

Njuguna, S.G. 1990. International Decade for East African Lakes (IDEAL) Seminar, Berne, Switzerland.

Njuguna, S.G. 1989. UNEP/AMCEN Network Symposium on Environmental Education and Training, Nairobi, Kenya.

Njuguna, S.G. 1986. US-NPS and the University of Michigan First International Seminar on Coastal Parks and Protected Areas, USA, US Virgin Islands, St. Lucia, Trinidad and Tobago.

## **1.6 Supervision of Postgraduate Students**

### **1.6.1 Masters**

James Mugo Murakaru, 2009 Assessment of changes in trophic status of Lake Naivasha, Kenya. Kenyatta University, Nairobi, Kenya.

Sarah Wachuka Irungu, 2008. Factors affecting *Aloe* propagation and cultivation in Kieni West Division, Kenya.

Rogan L. Miheso, 2007 A study of the effects of pollution on Motoine River Dams, Kenya. Kenyatta University, Nairobi, Kenya.

Anne Wanjiru Kinyanjui, 2006. Impact of water quality on microbial diversity of Nairobi River, Kenyatta University, Nairobi, Kenya.

Beatrice Langat., 2004. Effects of tea processing on the water quality of a tropical river in Kenya. Kenyatta University, Nairobi, Kenya.

Francis Kariuki Wachira, 1993. Water hyacinth growth dynamics and infestation in Lake Naivasha, Kenya. Kenyatta University, Nairobi, Kenya.

Esther Mwangi, 1992. The vegetation of Lake Bogoria National Reserve: Composition, structure and distribution. Moi University, Eldoret, Kenya.

Benson Muchoki Mwangi, 1992. Habitat preferences and the feeding habits of *Tilapia* spp. in Lake Naivasha, Kenya. Kenyatta University, Nairobi, Kenya.

Kenneth Karanja, 1991. Floristic survey of the Kenyatta University Nature Reserve. Kenyatta University, Nairobi, Kenya.

David Kibaara, 1991. Primary productivity dynamics of the Winam Gulf of Lake Victoria, Kenya. University of Nairobi, Nairobi, Kenya.

Paul Kamau Mbugua, 1990. Taxonomic survey of succulent plants in Nairobi and its suburbs. Kenyatta University, Nairobi, Kenya.

Wilson Kiplagat, 1989. Phytoplankton and zooplankton dynamics in Lake Baringo, Kenya. Kenyatta University, Nairobi, Kenya

Joseph Mutang'ah, 1989. Composition, structure and distribution of plant communities in Lake Nakuru National Park. University of Nairobi, Nairobi, Kenya.

Simon W. Kinyua, 1987. A case study of methods used in the teaching of 8-4-4 biological sciences course in some selected schools in Nairobi. Kenyatta University, Nairobi, Kenya.

Geoffrey M. Macharia, 1987. Plant associations of Kenyatta University Nature Reserve. Kenyatta University, Nairobi, Kenya.

Electina Ng'ano, 1987. Microdistribution of small mammals in dry sub-humid grassland in Kenya. Kenyatta University, Nairobi, Kenya.

Alexander Njue, 1987. Nutrient cycling in a tropical forested ecosystem (watershed model). University of Nairobi, Nairobi, Kenya.

Lawrence Steven Gray, 1983. The conservation of alkaline lake ecosystems in Kenya. York University, Ontario, Canada.

#### **1.6.2 Ph. D**

Richard Kimutai Kerich, 1990. Deforestation and decimation of biota in Kericho District, Kenya, East Africa. Kenyatta University, Nairobi, Kenya.

Alexander Njue, 1992. Tana River floodplain forest: Hydrologic and edaphic factors as determinants of vegetation structure and function. University of California, Davis, USA.

Wilson Kiplagat, 1998. Phytoplankton dynamics of the Turkwell Gorge Dam, a new man-made lake in northern Kenya. Kenyatta University, Nairobi, Kenya.

John Githaiga Maina, 2002. Ecological factors, utilization patterns and inter-lake movements of lesser flamingos (*Phoeniconaias minor* Geoffroy) in Kenyan alkaline lakes. University of Nairobi, Kenya. University of Nairobi, Nairobi, Kenya.

Geoffrey Mugo Macharia, 2009. Land use and its impact on birds in the Lake Ol' Bolossat Basin, Nyandarua, Kenya. Kenyatta University, Kenya.

Margaret, Wawuda Mwakima. 2014. Determinants of the Biodiversity Conservation-Tourism nexus in the buffer zone of Amboseli Biosphere Reserve, Kenya. Kenyatta University, Kenya.

Julius Kioko Nzeve. 2015. Assessment of Heavy metal Contamination in Masinga Reservoir, Kenya. Kenyatta University, Kenya.

### **1.7 Professional/Consultancy (Editor/Peer review in journals, Networks/Collaborations, External Examiner, Patents)**

#### **1.7.1 Consultancies**

KeRRA/Royal Associates. Environmental Expert (2 months). Environmental and Social Impact Assessment (ESIA) of Mundere – Ruambwa – Nambengele – Bukoma Beach, Lake Victoria, (D251/E1201) Roads Project. 2013.

UNDP. Environmental Expert. Conduct a capacity building workshop (1 week) for ministerial and departmental focal points in Kenya to mainstream climate change into policies and planning, Baringo, Kenya 2010.

World Bank/KARI/ETC. Environmentalist. Western Kenya Integrated Ecosystem Management Project. Mid-term Review. 2007/2008.

World Bank/KARI. Environmental Expert. Environmental and Social Management Framework (ESMF) for the proposed Kenya Agricultural Productivity and Sustainable Land Management (KAPSLM) Project. 2006/2007.

Belgium/BTC. Wetlands Expert. The development and implementation of an integrated management plan of Kilombero Valley Floodplain Ramsar Site, Tanzania. 2005.

World Bank/KARI. Environmental Expert. Western Kenya Integrated Ecosystem Management Project. Environmental and Social Management Framework. 2005.

GFA/CAS/CES/LBDA/ADB. Key Environmentalist. Kimira-Oluch Small Holder Irrigation Development Study. Undertake Environmental Impact Assessment (EIA). Lake Victoria Basin, Kenya. 2002 -2004.

Seureca/CAS/DFID/WB/France. Key Environmentalist. The Kibera Urban Environmental Sanitation Project (KUESP). Undertake Environmental Impact Assessment (EIA). Nairobi, Kenya. 2002.

UNEP/ICRAN. Regional Consultant. Preparation of International Coral Reef Action Network (ICRAN) Demonstration and Target Sites Profiles, Kenya, Madagascar, Seychelles, Tanzania. 2002.

UNESCO Paris. Consultant. Preparation of Nomination Forms, Provisional Management Plans and Accompanying Audio-visual Materials for Lake Turkana National Park and Rift Valley Lakes Reserve World Heritage Sites. 2001.

UNESCO-WHC/Kenya Wildlife Service. Consultant. The Great Rift Valley Ecosystem Sites Project. Preparation of Prefatory Documents and Supporting Materials for the Nomination of the Great Rift Valley Ecosystem Sites as World Heritage Sites. 2001.

FAO/UNEP. Regional Consultant. International Coral Reef Action Network (ICRAN) Project, Comoros, Kenya, Madagascar, Mauritius, Mozambique, Seychelles, Tanzania. Analysis and Synthesis. 2001.

USAID Kenya. Consultant. Performance Monitoring Plan for the USAID Strategic Objective 4: Improved Natural Resources Management in Targeted Areas by and for Stakeholders. Development of Performance Indicators, Identification and Establishment of Baselines and Data Sources, and Development of Performance Monitoring Plan. 2000.

UNDP/UNEP/GEF. Regional Consultant. Conservation and Sustainable Use of Biodiversity in the Eastern Rift Valley Lakes, Ethiopia, Kenya, Tanzania. Analysis and Synthesis. 2000.

Biodiversity Support Program (BSP), USA. International Consultant and Advisor. Execution of a Pan-African Workshop on Biodiversity Monitoring and Evaluation (BIOME). Victoria Falls, Zimbabwe. 1999.

MSI/USAID/Kenya. Biodiversity Specialist. New Strategic Objective for the Environment, SO4, "Improved NRM in targeted biodiverse areas by and for stakeholders". A Study of Donor Involvement in the NRM Sector in Kenya. 1999.

NORAD/IUCN-The World Conservation Union. International Consultant. Conservation Strategy for Ethiopia (CSE) Phase III Project. External Mid-term Evaluation. 1999.

United Nations Environment Program (UNEP). Proposal Development for GEF PDF A Grant on Volta Lake, Document Review and Preparation of an Issues Paper on a Comprehensive Strategic Action Program to Deal with National and Transboundary Issues. International Consultant. 1998.

### **1.7.2 External Examiner**

**Master of Science (M.Sc).**



Paul Kipkosgei Tarus, 1990. An assessment of the water quality of Lake Baringo, Kenya. M.Sc. Thesis. Kenyatta University, Nairobi, Kenya.

Njoroge Njure, 1992. The history and present status of the human-elephant conflicts in the Mwatate-Bura area, Kenya. M.Sc. Thesis. University of Nairobi, Nairobi, Kenya.

Gebreyohannes D. Tsigemelak, 2012. Ecology of medicinal plants and their integration into primary health care in Kajiado County, Kenya. University of Nairobi, Kenya.

### **Doctor of Philosophy (Ph.D).**

Helida Achieng' Oyieke, 1992. Taxonomic, ecological and commercial potential of the genus *Gracilaria* (Gracilariales, Rhodophyta) of the Kenya Coast. Ph.D. Thesis. University of Nairobi, Nairobi, Kenya.

Frederick K. Waweru, 1993. The impacts of translocating black rhinoceros (*Diceros bicornis*, Linn. 1758) to Lake Nakuru National Park, Kenya. Ph.D. Thesis. University of Nairobi, Nairobi, Kenya.

### **1.8 Community Service and Other Engagements**

Director, Kiambu County Water and Sewerage Company

Member, Biodiversity Advisory Panel, Africa Oil Kenya.

Member, National Biodiversity Data Management (BDM) Project Steering Committee.

Member, Board of Management, Tigoni Secondary School.

Chairman, Board of Management, Manguo Secondary School

### **1.9 Affiliation of Professional Bodies**

Member Environment Institute of Kenya.

Environment Impact Assessment Lead Expert.

Patron, Kenyatta University Environmental Club (KUNEC), 2004 to 2011.

Member, Ramsar Convention on Wetlands Scientific and Technical Review Panel (STRP), 2003-2005.

Chairman, Scientific and Technical Committee, Kenya Marine and Fisheries Research Institute (KMFRI) Board of Management, 2002 to 2005.

Member, Board of Management, Kenya Marine and Fisheries Research Institute (KMFRI). 1995 to 2005.

Member, Biodiversity Support Program (BSP, USA), African Biodiversity Advisory Group. 1993 to 2002.

Member, Board of Governors, National Museums of Kenya (NMK), 1993 to 1995.

### **2.0 National and International awards and Recognitions**

Wetland Conservation Award presented by the Kenya Wetland Working Group 1998.

East African Environmental Network (EAEN) Environmental Leadership Award. 1997

University of Nairobi, B.Sc. First Class Honours Degree. 1976

Kenya Science Teachers College, Overall Best Student Award. 1972

### **2.1 Administrative Positions Held**

#### **2.1.1 Recognized university administrative positions**

Coordinator, Regional Centre of Expertise (Greater Nairobi Region), NEMA, UNU, Kenyatta University. March 2012 to 2014;

Dean, School of Environmental Studies, Kenyatta University. 2007 to 2011. Environmental Sciences, Environmental Planning and Management, Environmental Education, Environment and Community Development.

### **2.1.2 Other administrative positions Held**

Programme Director, IUCN Eastern Africa Regional Office, Nairobi, Kenya. 1994 to 1995

Acting Regional Representative, IUCN Eastern Africa Regional Office, Nairobi, Kenya. 1994

Coordinator, IUCN Eastern Africa Biodiversity Conservation Programme, 1992 to 1995

Associate Director, National Museums of Kenya, 1989 to 1992

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