

CURRICULUM VITAE 2013

Prof. Dr. Kenneth Robert Muema MAVUTI,

Nationality: Kenyan

B.Sc. Biology (Hons), M.Sc, Hydrobiology, PhD Hydrobiology, UoN ; PG Cert. Limnology, Vienna; Cert. Environmental Impact Assessment, University of Aberdeen; Reg. EIA Expert, NEMA.

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Present Post:

Full Professor of Hydrobiology (Hydrobiology, Fisheries AND Water Resources, Applied Aquatic Microbiology, Plankton Ecology, Marine and Freshwater Science,

Specialization: Specialization: Hydrobiology, applied Aquatic Microbiology and Plankton Ecology, and Fisheries, Marine and Freshwater Ecohydrology, Water Resources and Ecosystems Management and conservation, Water Quality Analysis, Natural Resources Appraisal and Auditing, Environmental Impact Assessment and management. (NEMA REGISTERED); - Wetland Wildlife Ecology and Conservation; Environmental Education; International Relations, Co-operations and Academic Linkages.

FORMAL EDUCATION AND QUALIFICATIONS:

- (1) Post-Doctorate training in applied Aquatic Microbiology and Plankton Ecology, Department of Zoology, Royal Holloway and Bentford College, University of London, 1986
- (2) Ph.D. Zoology – Hydrobiology (Microbiology & Plankton Ecology), Department of Zoology, University of Nairobi, 1983 .
- (3) Certificate in Environmental Impact Assessment, University of Aberdeen, Scotland, U.K. 1984.
- (4) Certificate in Aquatic Microbiology and water management, Hedasha Medical School, Jerusalem, Israel, 1978.
- (5) Certificate in "Components Essential for Ecologically Sound Pest Management Systems" ICIPE, Nairobi, 1978.
- (6) M.Sc. Aquatic Ecology &, Department of Zoology, University of Nairobi, 1977.
- (7) Postgraduate Certificate in Limnology, University of Vienna, Austria, 1976.
- (8) B.Sc. (Hons.) Zoology, Botany and Chemistry, University of Nairobi, 1973.

WORKING EXPERIENCE AND UNIVERSITY RESPONSIBILITIES:

2009 One Yr, Visiting Full Professor and Programmes Coordinator, Founder & Dean School of Water Resources, Science and Technology, South Eastern University College, University of Nairobi.
2008 Present: Full Professor of Zoology (Hydrobiology and Fisheries UoN.),
1995 2008: Associate Professor of Zoology:

1998 - 2012: Coordinator, Kenya Belgium Flemish Interuniversity Cooperation (VLIR-IUC-UONBI) Project
2007 - 2012. External Examiner, Dept of Zoology, University of Dar es Salaam, Tanzania.
2006 - 2007: Thematic Head, Marine and Freshwater Science, School of Biological Sciences,
2001 - 2007: Director, Centre for International Programmes and Links, University of Nairobi
1999 - 2001: Ag. Director, Office of International Programmes, University of Nairobi
1993 - 1999: Head/Chairman, Department of Zoology, and University of Nairobi
1988 -1997: Chairman, Management Committee, Law of the Sea, Marine Resources Management and Policy, Gent University/Nairobi University Link.
1988 - 1995: Senior Lecturer in Zoology. (Hydrobiology and Fisheries)

MAJOR COORDINATION AND RESEARCH INITIATIVES

2009 To 2011: Programmes Coordinator & Ag Dean, School of Water Resources and Irrigation Technology, South Eastern University College, University of Nairobi
1997 – 2008. VLIR IUC UoN Flemish Inter University Cooperation, Programme
1984 - 2012. Research Director for University of Leicester - Earthwatch - Nairobi University link in Environmental research and postgraduate training; Rift Valley Lakes and Rivers
1991-1993 Project Director and Principal Investigator, EEC Tana River Ecological and Agricultural Land Use Project in collaboration with University of Leicester, U.K.

NATIONAL RESPONSIBILITIES:

2004 – Present. Board Member of Wetlands Experts Advisory Council of KWSTI
2004 – Present: Lake Victoria Research Policy Advisory Committee, SIDA SAREC Programme.
2003 – 2006: Council member, National Council of Science and Technology, and Chairman of Environment and Earth Sciences Committee.
1989 -1992.
(1) Board Member, Board of Management, Kenya Marine and Fisheries Research Institute, Ministry of Research Science and Technology.
(2) Scientific Research Member in the KNAS Lake Victoria Project on "Factors Responsible for the frequent massive fish deaths in Lake Victoria".
(3) Member of the Environmental TASK force for the Control of Salvinia water weed in Lake Naivasha - National Environmental Secretariat.
(4) Member of Expert Advisory Council of KENGO.
2004 – Present: Member of the Editorial Board, Lakes and Reservoirs Journal
2003 – 2009: SIDA SAREC Lake Victoria Research Initiative: Member Research Policy Advisory Committee
1988 - 2004 Member of the Editorial Board of the International Journal of "Wetlands Ecology and Management" SPB Academic Publishing.
1988-1992: Member of the Scientific Advisory Committee of the Scientific Committee on Problems of Environment (SCOPE) Project on the "Biogeochemistry of small catchments".

1986-1989: African Region Representative and member of the International Lake Environment Committee Foundation (ILEC Foundation) an NGO affiliated to UNEP.

1985-Present: Founder, ex-Chairman and Life Member, Hydrobiological Society of East Africa.

AWARDS AND RECOGNITIONS

1. 2008 – 2011 British Council DELPHE Research Grant for Rift Valley Lakes Field IT Capacity building for East African Young Academics.
2. 2005: VLIR Training workshop on Research Policy and Management, University of Leuven, Belgium
3. 2002: Vice Chancellor's Commendation, Certificate of Merit of the University of Nairobi
1999 1999 Visiting Research Scholar, Smithsonian Environmental Research Centre, Edgewater, USA
4. 1996: Three months French Government -INP Research Fellowship on Ecosystems Trophic Analysis and Modeling at Ecole National Supérieure Agronomique De Toulouse, France
5. 1986: Royal Society Research Fellowship for the Developing Countries (Post-Doctoral) at the Department of Zoology, University of London, Royal Holloway and Brentford College.

SUPERVISION OF POSTGRADUATE PhD and MSc STUDENTS

Ph.D Complete 18

Ph D Continuing 3

1. Kones, J.K. (Ph.D): A Statistical Model for an Aquatic Stock Estimation with application to a fish population.
2. Arrumm, A.A. (Ph.D): A Comparative Study of the Biology of the Tilapine Fishes in Lake Kanyaboli,
3. Mwangi, S.N. (Ph.D): The Role of Bacterioplankton in Shallow Tropical Lagoons and Creek Ecosystems in Kenya.

MSC Completed 30. MSc Continuing 4.

SCIENTIFIC CONFERENCES AND WORKSHOPS ATTENDED : To date 60.

SCIENTIFIC PUBLICATIONS:

1. Gherardi, Francesca, **Kenneth M. Mavuti**, Nic Pacini, Elena Tricarico & David M. Harper. 2011. The smell of Danger: Chemical recognition of fish predators by the invasive Crayfish *Procambarus Clarkii*. *Freshwater Biology*. Volume 56, Issue 8, pages 1567–1578.
2. Bettinetti R, Quadroni S, Crosa G, Harper D, Dickie J, Kyalo M, **Mavuti K**, Galassi S. 2011. A preliminary evaluation of the DDT contamination of sediments in lakes Natron and Bogoria (Eastern Rift Valley, Africa). *Ambio*. 2011 : 40(4):341-50.
3. Gherardi, Francesca J. Robert Britton, **Kenneth M. Mavuti**, Nic Pacini, Jonathan Grey, Elena Tricarico, David M. Harper. 2011. A review of al biodiversity in Lake Naivasha, Kenya: Developing conservation actions to protect East African lakes from the negative impacts of alien species. *Biological Conservation*. 144 (2011) 2585–2596

4. Harper¹, David M. Edward H.J. Morrison, Michael M. Macharia, **Kenneth M. Mavuti** and Caroline Upton. **2011**. Lake Naivasha, Kenya: ecology, society and future. *Freshwater Reviews* 4, pp. 89-114
5. Harper D. M. , Britton J. , **Mavuti K. M.** , Pacini N. , Tricarico E., Gherardi F., **2010**. Field IT for East Africa: training young African scientists in Lake Naivasha (Kenya). *ALIENS: The Invasive Species Bulletin*, 2010, Vol. 29, pp. 48-51.
6. Zaccara S., Crosa G., Vanetti I., Binelli G., Harper D.M., **Mavuti K.M.**, Britton J.R. 2012. Adaptive radiation of the endemic *Alcolapia* cichlids of the East African soda lakes: genetic and morphological perspectives. In Press: *Journal of Evolutionary Biology*
7. Tricarico Elena, Francesca Gherardi, **Kenneth M. Mavuti**, Nic Pacini, David M. Harper. **2011**. The invasive Crayfish *Procambarus Clarkii* and the native Crab *Potamonautes loveni* in the Lake Naivasha Catchment (Kenya): Will they coexist. 2012. In Press
8. Kyalo, Margaret N, Victoria J. Robinson, **Kenneth M. Mavuti**, Ann W. Muohi and David M. Harper. Adaptive feeding behaviour of the lesser flamingo (*Phoeniconaias minor*) in response to the distribution and availability of food resources. 2012. In Press
9. Dharani N., J. M. Onyari J. I. Kinyamario, D. M. Maina **K. M. Mavuti (2010)**. Distribution of Cd and Zn Levels in Soils and *Acacia xanthophloea* Benth. from Lake Nakuru National Park Kenya *Bull Environ Contam Toxicol* (2010) 85:318–323
10. Nyunja, J M. Ntiba, J. Onyari, **K. Mavuti, K. Soetaert**, S. Bouillon. 2009. Carbon sources supporting a diverse fish community in a tropical coastal ecosystem (Gazi Bay, Kenya). *Estuarine, Coastal and Shelf Science* 83 (2009) 333–341
11. Ngari, A NJ. I. Kinyamario, M. J. Ntiba and **K. M. Mavuti, 2008**, Factors affecting abundance and distribution of submerged and floating macrophytes in Lake Naivasha, Kenya, *African Journal of Ecology*, Vol 46 (In Press: Publisher: Springer) –
12. Dharani N, J. M. Onyari, D. M. Maina and **K. M. Mavuti. 2007**. The Distribution of Cu and Pb Levels in Soils and *Acacia xanthophloea* Benth. from Lake Nakuru National Park Kenya. *Bull Environ Contam Toxicol.* (2007) 79:172–177
13. Kulmiye AJ, **KM Mavuti** and JC Groeneveld. **2006**. Size at onset of maturity of spiny lobsters *Panulirus homarus homarus* at Mambui, Kenya. *African Journal of Marine Science.* 2006, 28(1): 51-55.
14. Kones, J., Soetaert, K., Van Oevelen, D., Owino, J.O., **Mavuti, K. 2006**. Gaining insight into aquatic food webs reconstructed by the inverse method: A factor analysis approach *Journal of Marine Systems* 60 (2006) 153– 166 .
15. Kimani E.N, **K.M. Mavuti** and T. Mukiyama. 2006. The reproductive activity of the pearl oyster *Pinctada imbricata* Röding 1798 (Pteriidae) in Gazi Bay, Kenya. *Tropical Zoology* 19: 159- 174,
16. **Mavuti K M** , E N Kimani and T Mukiyama. **2005**. Growth patterns of the pearl oyster *Pinctada margaritifera* L. in Gazi Bay, Kenya. *African Journal of Marine Science* 2005, 27(3): 567–575

17. Kulmiye A. J. and **K. M. Mavuti**. 2005. Growth and moulting of captive *Panulirus homarus homarus* in Kenya, western Indian Ocean. *New Zealand Journal of Marine and Freshwater Research*, Vol. 39: 539-549
18. Sadie K Rosenthal, David M Lodge, **Kenneth M Mavuti**, Wairimu Muohi, Philip Ochieng, Benjamin N Mungai and Gerald M Mkoji. Comparing macrophyte herbivory by introduced Louisiana crayfish (*Procambarus clarkii*) (Crustacea: Cambaridae) and native Dytiscid beetles (*Cybister tripunctatus*) (Coleoptera: Dytiscidae), in Kenya (pp. 157 - 162): *African Journal of Aquatic Science* 2005, 30(2): 157-162.
19. Lodge, David M, Sadie K Rosenthal, Kenneth M Mavuti, Wairimu Muohi, Philip Ochieng, Samantha S Stevens, Benjamin N Mungai, Gerald M Mkoji, 2005. Louisiana crayfish (*Procambarus clarkii*) (Crustacea: Cambaridae) in Kenyan ponds: non-target effects of a potential biological control agent for schistosomiasis . *African Journal of Aquatic Science* 2005, 30(2): 119-124
20. Mavuti, K M, J A. Nyunja and E O. Wakwabi. 2004: Trophic Ecology of Some Common Juvenile Fish Species in Mtwapa Creek, Kenya. *Western Indian Ocean J. Mar. Sci.* Vol. 3, No. 2, pp. 179-187,
21. Harper D and K M Mavuti. (2004) Lake Naivasha, Kenya: Ecohydrology to guide the management of a tropical protected area. *Ecohydrology & Hydrobiology* 4:255-273
22. Hickley P, Boar, R.R. and Mavuti, K.M. (2004) Bathymetry of Lake Bogoria, Kenya., *Journal of East African Natural History* 92, 107-117.
23. Mutua, A K, **K. M. Mavuti**, N. Daro & M. Tackx 2003 Spatial Distribution of Suspended Particulate Matter in Mtwapa Creek and Funzi Bay, Kenya. *Western Indian Ocean J. Mar. Sci.* Volume 2, Issue 2, 16-26
24. **Kitheka, J.U. G.S. Ongwenyi and K.M. Mavuti**, 2003. Fluxes and exchange of suspended sediment in tidal inlets draining a degraded mangrove forest in Kenya Estuarine, Coastal and Shelf Science Vol. 56, pp. 655-667
25. Muohi, A W J. M. Onyari, J. G. Omondi, **K. M. Mavuti**. 2003. Heavy Metal Distribution in Surface Sediments from Mtwapa and Shirazi Creeks, Kenyan Coast. *Bull. Environ. Contam. Toxicol.* 70:1220-1227 (2003).
26. Muohi, A.W. J.M. Onyari, J.G. Omondi, **K.M. Mavuti** 2003. Occurrence of Heavy Metal Pollutants in sediments from Makupa and Port-Reitz Creek systems, Kenyan Coast. *Environ. Internat.* Vol: 28 (2003) 639-647.
27. Kitaka, N, D M Harper, **K M Mavuti** and N Pacini. 2002 Chemical Characteristics, with particular reference to phosphorus, of the rivers draining into Lake Naivasha, Kenya. *Hydrobiologia*. 488:5
28. Raburu, P.; **Mavuti, K.M.**; Harper, D.M.; Clark, F.L. 2002. Population structure and secondary productivity of *Limnodrilus hoffmeisteri* (Claparede) and *Branchiura sowerbyi* Beddard in the profundal zone of Lake Naivasha, Kenya. *Hydrobiologia* 488(1-3): 153-161.
29. Kitheka J U, R. G. Angwenyi and **K.M. Mavuti**. 2002 Dynamics of Suspended Sediment Exchange and Transport in a Degraded Mangrove Creek in Kenya. *Ambio*, Vol. 31, No. 7-8, pp. 580-587, 2002.

30. Mwaura F, **K M Mavuti** and W N Wamicha. 2002. Biodiversity characteristics of small high-altitude tropical man-made reservoirs in the Eastern Rift Valley, Kenya. *Lakes & Reservoirs: Lakes and Reservoirs: Research and Management* 2002 7:1-12.
31. Kimani E N & **K. M. Mavuti**. 2002. Abundance and Population Structure of the Blacklip Pearl Oyster, *Pinctada margaritifera* L. 1758 (Bivalvia: Pteriidae), in Coastal Kenya **Volume 1, Issue 2**, 169-179
32. Nyunja J A, **K. M. Mavuti** and E.O. Wakwabi. 2002. Trophic Ecology of *Sardinella gibbosa* (Pisces: Clupeidae) and *Atherinomorous lacunosus* (Pisces: Atherinidae) in Mtwapa Creek and Wasini Channel, Kenya. *Western Indian Ocean J. Mar. Sci.* Vol. 1, No. 2, pp. 181-189, 2002.
33. Kitaka N, D H Harper and **K M Mavuti**. 2001. Phosphorus status of a tropical lake, Lake Naivasha, Kenya. *Arch. Internat Verein Limnol*: 27: 3811 – 3815
34. Muli, J R & **K.M. Mavuti**. 2001. The benthic macrofauna community of Kenyan waters of Lake Victoria. *Hydrobiologia* 458: 83-90, 2001.
35. Bilal, P.I., Mavuti, K.M. and Omondi, J.G. (2001) *. Plankton Dynamics in Tilapia (*Oreochromis niloticus*) and Catfish (*Clarias gariepinus*) Polyculture Ponds in Sagana Fish Ponds, Central Kenya. In: *Ecohydrology: Science and the Sustainable Management of Tropical Waters. A Summary of the Projects Presented to the Conference. Kenya Wildlife Service Training Institute, Naivasha, Kenya. 11-16 April 1999.*
36. Muli, J R, **K.M. Mavuti** and J.M. Ntiba. 2000. Macroinvertebrates Fauna of Water Hyacinth in the Kenyan Waters of Lake Victoria. *International Journal of Ecology and Environmental Sciences* 26: Vol. 26 No.4: 281-302
37. Pacini N., Harper D., and **Mavuti K.** 1999. Hydrological and Ecological Considerations in the Management of a Catchment Controlled by a Reservoir Cascade: The Tana River, Kenya. In D M Harper and T Brown, (Eds). *The Sustainable Management of Tropical Catchments*. John Wiley & Sons Ltd. pp 239 - 258
38. Johnson G., Harper D., and **Mavuti K.** 1999. Information for the Sustainable Management of Shallow Lakes: Lake Naivasha, Kenya. In D M Harper and T Brown, (Eds). *The Sustainable Management of Tropical Catchments*. John Wiley & Sons Ltd. pp 259- 274
39. Gichuri, W.M., Veverica, K.L., Omondi, J.G*., Mwau, P.N., Bilal, P.I. and **Mavuti, K.M.** (1999). Semi-intensive *Oreochromis niloticus* (Cichlidae) and *Clarias gariepinus* (Clariidae) polyculture in Ponds Receiving Rice Bran and Chemical Fertiliser in Kenya. *Proceedings of The International Conference for The Paradi Association and The Fisheries Society of Africa (FISA) on African Fishes and Fisheries Diversity and Utilisation, Grahamstown, South Africa, 13 - 18 Sept. 1998.*
40. Scott D. Cooper, **Kenneth M. Mavuti**, Sheila Wiseman, Orlando Sarnelle, Mary Gakungu and Nicola Pacini. 1998. Effects of fish and phosphorus on small, turbid ponds in East Africa. *Verh. Internat. Verein. Limnol.* 26 1543-1550.
41. Sarnelle O., S. D. Cooper, S. Wiseman and **K. M. Mavuti.** 1998. The relationship between nutrients and trophic-level biomass in turbid tropical ponds. *Freshwater Biology* 40, 65-75.

42. **Mavuti K. M.** and J. Oglethorpe. 1996. Biodiversity Resources of Kenya. Proceedings of Kenya Workshop on Biodiversity. FAO. 14 - 19.
43. Uku J N, E Martens and **K M Mavuti**. 1996. An Ecological Assessment of Littoral Sea grass Communities in Diani and Galu Beaches, Kenya. Current Trends in Marine Botanical Research in the East Africa Region, ISBN 91-630 4907-4 SIDA. PP 407. 280 – 302.
44. **Mavuti K M**, 1996. Environmental problems, conservation and rational Management of Tropical African Shallow Lakes and Reservoirs. In R.D. Beilfuss, W.R Tarboton and Gichuki (Eds). Proceedings of the 1993 African Cranes and Wetlands Workshop. International Crane Foundation, Baraboo, Wisconsin, USA. 662 pp.
45. **Mavuti, K.M.**, J. J. Gaudet and M.R. Litterick, 1996. The need for Environmental Impact Assessment of Wetland Projects in Africa. In R.D. Beilfuss, W.R Tarboton and Gichuki (Eds). Proceeds of the 1993 African Cranes and Wetlands Workshop. Intern. Crane Foundation, Baraboo, Wisconsin, USA. 662pp.
46. **Mavuti, K. M.**, J. Moreau, J. Munyandorero & P.D. Plisnier. 1996. Analysis of trophic relationships in two shallow equatorial lakes, Lake Naivasha (Kenya) and Lake Ihema (Rwanda) using a multispecies trophic model. *Hydrobiologia* 321:89 – 100.
47. Mathooko, J. M. and **K. M. Mavuti**, 1994. Factors influencing drift transport and concentration in a second order high altitude tropical river in central Kenya. *Afri. J. Ecol.* 32: 39-49.
48. **Mavuti, K.M.** (1994). Durations of Development and Production estimates by two crustacean zooplankton species *Thermocyclops oblongatus* Sars (copepoda) and *Simocephalus vetulus* Sars (Cladocera), in Lake Naivasha, Kenya. *Hydrobiologia* 272(1-3):185-195.
49. Uku, J.N. & **Mavuti K.M.** (1994). Comparative limnology, species diversity and biomass relationship of zooplankton and phytoplankton in five freshwater lakes in Kenya. *Hydrobiologia* 272:251-258.
50. **Mavuti K. M.** 1993. An Ecological Account of some Freshwater Wetlands if Kenya. *Komba*. 2: 24-26.
51. **Mavuti K.M**, 1993. An account of some important freshwater wetlands of Kenya. 23-35 pp. In : S.A. Crafter, S.G. Njuguna & G.W. Howard: Wetlands of Kenya, 183pp
52. Harper D.M., G. Phillips, A. Chilvers, N. Kitaka and **Mavuti, K.M.**1993: Eutrophication Prognosis for Lake Naivasha, Kenya. *Verh. Internat. Verein. Limnol.* 25:1275-1279.
53. Pacini N. Harper D. M. **Mavuti K. M.** 1993: A sediment dominated tropical impoundment, Masinga Dam, Kenya. *Verh. Internat. Verein. Limnol.* 25:861-865.
54. **Mavuti, K. M.**, V. Jaccarini & E. Martens (Eds.) 1992. Recent advances in Hydrobiology and Fisheries in East Africa. *Hydrobiologia*, 232 No.1: 119 pp.
55. **Mavuti, K. M.** 1992. Diel vertical distribution of zooplankton in Lake Naivasha, Kenya. *Hydrobiologia*,232: 31 - 42.
56. **Mavuti, K. M.** & J. M. Mathooko. 1992. The benthic community of the Naru Moru River, Kenya. *Hydrobiologia*, 232:47-56.

57. **Mavuti, K. M.** & M. R. Litterick 1991. Composition distribution and role of zooplankton community in Lake Victoria, Kenya waters. *Vert. Int. Ver. Limnol.* 24:1117-1122.
58. Kilham P.& **K. M. Mavuti (Eds.)** 1990. Comparative Ecology of Freshwater and Coastal Marine Ecosystems. *Hydrobiologia*: 208: Nos. 1-2: 140 pp.
59. **Mavuti, K. M.** 1990. Ecology and role of zooplankton in the fishery of Lake Naivasha. *Hydrobiologia* 208:131-140.
60. Harper, D. M., **Mavuti, K. M.** & Muchiri, S. M. 1990. Ecology and Management of Lake Naivasha, Kenya in relation to climatic change. Exotic Species Introductions and Agricultural Developments. *Environ. Conserv.* 17:328-336.
61. Nelson, R. W.& **K. M. Mavuti et.al** (8). 1990. International Case studies: River Corridor impacts, Protection Strategies 74-82. In: J. A. Kusler & S. Dally (Eds). *Wetlands and River Corridor Management.* 336 pp.
62. **Mavuti, K. M.** 1989: Ecology of the Yala Swamp. *Resources* 1:11-14.
63. Burgis, M. J. & **K. M. Mavuti**, 1987. The Gregory Rift Lakes. pp. 331-358. In M. J. Burgis and J. M. Symones (Eds.): *African Wetlands and Shallow water bodies.* OSTROM Publishers, Paris, 650 pp.
64. Burgis, M. J., **K. M. Mavuti**, J. Moreau and I. Moreau, (1987). Lakes of The Central Plateau, East Africa pp. 359-388. In M. J. Burgis and J. J. Symons (Editors) *African Wetlands and shallow water bodies.* OSTROM Publishers, Paris 1987. 650 pp.
65. Litterick M. R. and **K. M. Mavuti**, 1985. The MacVuti Sampler: A new and inexpensive volume sampler for plankton and water, *Freshwater Biol.* 15:465-467.
66. **Mavuti, K. M.** 1983. Studies on the Community structure, Population Dynamics and Production of the Limnetic Zooplankton in a tropical lake, Lake Naivasha, Kenya. Ph.D. Thesis University of Nairobi.
67. **Mavuti, K. M.** 1982. Wetlands and Shallow water bodies in Kenya: "Characteristics and General Status of knowledge". *Dynamics of continental wetlands and shallow water bodies* vol. 1:188- 201.
68. **Mavuti, K. M.** & M. R. Litterick 1981. Species composition and distribution of zooplankton in tropical lake, Lake Naivasha, Kenya. *Arch. Hydrobiol.* 93:52-58.
69. **Mavuti, K. M.** 1980. Characteristics and Status of limnological Investigations in Kenya. Promotion of Limnology in Developing Countries Kyoto, Japan S.I.L Work. Proc. 1:145-150.
70. **Mavuti, K. M.** 1975. Some aspects of the Biology of the Genera *Sigara* and *Micronecta* (*Corixidae-Hemiptera*) from Lake Nakuru Kenya. M.Sc. Thesis University of Nairobi.
71. Harper, D. M. and **K. M. Mavuti**, 1996. Fresh water wetlands and marshes. T. McClanahan and T.P. Young (Eds). *East African Ecosystems and their Conservation.* Oxford University Press, NY. ISBN13: 9780195108170 ISBN10: 0195108175 hardback, 480 pages .

MEMBERSHIP OF SCIENTIFIC SOCIETIES:

1. East African Water Association
2. Kenya National Academy of Sciences: Hon Secretary, Biological Sciences.
3. West Indian Ocean Marine Scientific Association
4. American Society of Limnology and Oceanography
5. Hydrobiological Society of East Africa (Founder and life member)
6. International Society of Theoretical and Applied Limnology (SIL)

Prof. Kenneth Mavuti Feb, 2013

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