

CURRICULUM VITAE

CECILIA MURINGO GICHUKI [B.ED, M.Sc. Nbi, PhD KU)

PERSONAL INFORMATION

Name: Cecilia, Muringo Gichuki
Email Address: ceciliagichuki@yahoo.com

EDUCATION AND QUALIFICATIONS:

- 2002: Ph D. Ecology: *The Reproductive and Foraging Behaviour of African Snipe (Gallinago nigripennis) (Bonaparte) in Lake Ol' Bolossat, Central Kenya. Kenyatta University*
- 1980-1984: M.Sc. Biology of Conservation. Thesis Title: *Some Aspects of the Ecology of Speke's Weaver Ploceus spekei (Heuglin) in Nairobi, Kenya. University of Nairobi.*
- 1975-1978: B.Ed. (Science)(Hons): Zoology, Botany and Education. University of Nairobi:
- 1973-1974: Advanced Level of Education Subjects: Biology, Chemistry, Geography and General Paper Nyandarua High School, central Kenya.

AWARDS WON

- 2006:** Wetland Conservation Award: East Africa Environmental network.
- 2010:** Trout farming and wetland conservation in Mount Kenya region. Start Secretariat, Sweden.
- 2013:** Extra-mile Award: Kenyatta University Vice Chancellor.
- 2014:** Climate change mitigation technologies: Climate Colab, University of Technology Massachusetts, USA. September, 2014.

COMMUNITY SERVICE

1. African Delegate CEPA Representative: Ramsar Convention Secretariat, Gland, Switzerland.
2. Board member, Nyandarua County Education Board, Kenya.
3. African Program Advisor: University of Illinois, Chicago, USA
4. Community partnership for development of biogas technology in Kenya.
5. Patron, KUNEC, Kenyatta University.

RESEARCH GRANTS AWARDED

- 2001: Kenya Museum Society. Kenya Snipe Project.
- 1999: Kenya Museum Society. Kenya Snipe Project.
- 1997: Kenya Museum Society. Kenya Snipe Project.
- 1990-1993: World-Wide Fund for Nature (WWF) Grant. Kenya Crane and Wetland Project. National Museums of Kenya, Kenya Wildlife Service, and Moi University.
- 1995-1997: Ramsar Convention Bureau. Project Title; Water Fowl Count in Kenya. Management of finance; Kenya Wetlands Working Group and East Africa Natural History Society.
- 1999: Chapman Memorial Fund of the American Museum of Natural History. Project Title: Role of birds as indicators of wetland quality in Kenya.
- 1999-2001: Ramsar Convention Bureau and Austria Government. Project Title Monitoring of African Eurasian Migratory Birds in Kenya. Management of finance, administration and operations of the project. NMK/EAWS/KWS.
- 2000: Chapman Memorial Fund of the American Museum of Natural History. Project Title: Kenya Snipe Project.
- 2003: Swedish Agency for Research and Development (SAREC) Inventory of Wetlands values and uses in semi-arid areas of Kajiado District, southern Kenya (Research Programme on Sustainable Use of Dryland Biodiversity (RPSUD)).
- 1989: Kenya Museum Society. Kenya Crane and Wetland Project.
- 1987/1988: East African Wildlife Society Grant Kenya Crane Research Project. University of Nairobi and National Museums of Kenya.
- 1986: Kenya Museum Society. Kenya Crane Project.

- 1986/1988: World-Wide Fund for Nature (WWF) Grant. Kenya Crane Research Project. National Museums of Kenya and University of Nairobi.
- 1986/1987: International Council for Bird Preservation (ICBP) and Wild Bird Society of Japan Kenya Crane Research Project, University of Nairobi and National Museums of Kenya.

MAJOR SEMINARS AND CONFERENCES ATTENDED

- 1980: 5th Pan-African Ornithological Congress held in Lilongwe, Malawi.
- 1985: 6th Pan-African Ornithological Congress held in Francistown, Botswana.
- 1986: 19th International Ornithological Congress held in Ottawa, Canada.
- 1986: International Symposium on Africa Wildlife held in Kampala, Uganda.
- 1986: 19th World Conference of the International Council for Bird Preservation held in Kingston, Canada.
- 1987: Third World Conference on Birds of Prey held in Eilat, Israel.
- 1988: 7th Pan-African Ornithological Congress held in Nairobi, Kenya.
- 1990: 20th World Conference of the International Council for Bird Preservation ICBP held in Hamilton, New Zealand 19-27 November.
- 1992: 8th Pan-African Ornithological Congress held in Bujumbura, Burundi.
- 1994: 21st international Ornithological Congress held in Vienna, Austria.
- 1994: World Conference of BirdLife International held in Rosenheim, Germany.
- 1995: Wetlands and Development Conference held in Kuala Lumpur, Malaysia.
- 1996: 9th Pan-African Ornithological Congress held in Accra, Ghana.
- 1998: 5th International Woodcock and Snipe Conference held in Czempin, Poland.
- 1999: 4th International Symposium on Isolated Vertebrate Communities in the Tropics, Koenig Museum, Bonn Germany.
- 1999: 10th Pan-African Ornithological Congress held in Kampala, Uganda.
- 2001: 23rd North American Ornithological Conference held in New Orleans Louisiana, USA.
- 2011: Mid-west fish and wildlife Conference, Minnesota, USA. December 16 -19
- 2012: Pan African Ornithological Congress, May 11-18 Arusha Tanzania.

2013: National conference on climate change and biodiversity in Kenya. National Museums of Kenya, Nairobi. July 5-8, 2013.

2013: National animal welfare education and training conference, University Nairobi, Kenya. World Society for Protection animals, Africa Regional Office, Nairobi, Kenya.

2014: National Planning workshop for Animal Welfare Programme in Nairobi, Kenya.

2014: Animal welfare education curriculum Review Workshop, Pan Afric Hotel, Nairobi, June, 2014.

PROFESSIONAL TRAINING

- Waterfowl and Wetlands Management in East Africa organized by International Wetlands Research Bureau (IWRB) March 1990. Uganda Institute of Ecology, Makerere University, Kampala, Uganda.
- Management of Wetlands for Bird Conservation. One month, September 1990. Baraboo, Wisconsin (International Crane Foundation) USA.
- Management of wetlands and grasslands for conservation of cranes. (30 days, October 1990. Savannahs River Ecology Research Centre, St. Catherine Islands, and Georgia State University, USA.
- Marine & Environment Education Course. Kanamai Conference Centre, Mombasa, 12-21 August 1991. Organized by World Wide Fund for Nature (WWF)-International and National Museums of Kenya.
- Crane and Wetlands Workshop. Maun, Botswana, 8-15 August 1993. Organized by International Crane Foundation, USA.
- PhD- course in Tropical Insect Ecology in Kenya. Organized by Kenyatta University, ICPE and Swedish University of Agricultural Sciences (S) at Nguruman SW Kenya from 23rd January to 11th February 1999.

PROFESSIONAL EXPERIENCE

- High school Teacher (Kenya) – Responsible for teaching biology and chemistry.
- Patron – Wildlife clubs of Kenya from 1975-1976
- Assistant Lecturer (Nairobi University):

- Responsible for conducting tutorials and teaching undergraduate courses in Terrestrial Ecology, Vertebrate Zoology and Evolution.(1989-1991)
- Associate Research Fellow (East African Wildlife Society) Responsible for carry out research on Austrian migratory birds project (white storks – *Ciconia Ciconia*)
- Associate Research fellow Kenya Wildlife Service and World Wide Fund for Nature (WW F) Responsible for carrying out research on birds in Saiwa and Mount Elgon National Parks. Organising Lake Nakuru Water birds Census. Assisting the Warden of Saiwa National Park to develop a management plan for the Park and to initiate Community Environment Conservation Projects around the park, 1990-1996.

RESEARCH EXPERIENCE

- Ecological and socio-economic study of wetlands and human communities associated with Lake Ol Bolossat in central Kenya and River Nzoia Basin in western Kenya. Team member: WWF, National Museums of Kenya, Kenya wildlife Service and Moi University (1991-1994). Eight project staff members
- A survey of bird populations in North Nandi Forest, western Kenya, Aug.-Oct. 1989.
- Joint project between the National Museums of Kenya and Natural History Museum Wien, Austria.
- Survey of White Storks (*Ciconia Ciconia*) within their migratory routs in Kenya. A joint project between East African Wildlife Society, National Museums of Kenya, Kenya Wetlands Working Group, Kenya Wildlife Service and Austria-African Migratory Birds Project (1998-2002).
- Aerial survey of the swamp-dwelling antelope, Sitatunga (*Tiagekaphora spekejj*) in Yala Swamp, western Kenya, July 1987. Joint Survey Project between University of Nairobi (Zoology Dept.) and WWF Regional office
- The Reproductive and Foraging Behaviour of African Snipe (*Gallinago nigripennis*) (Bonaparte) in Lake Ol Bolossat, central Kenya Ph D Project. 1997-2001.
- Ecology of Speke's Weaver *Ploceus spekei* (Heuglin) in Nairobi, Kenya. M.Sc.Project. 1980-1984

Membership to Professional Organizations

- Member: East African Natural History Society
- Member: of Executive committee: 7th pan-African Ornithological congress. Held in Nairobi 28 August – 5 September 1988.
- International Council for Bird Preservation (ICPB) (East Africa Section).
- Member: Kenya National Bird-Strike committee.
- Member: Ornithological Sub-Committee Kenya.
- Member: East Africa Working Group on Cranes and Wetlands, Working Group of ICBP and the International Crane Foundation (ICF).
- Member: Wetlands International Snipes and Woodcocks Specialist Group
- Coordinator: Kenya Wetlands Working Group (KWWG) Affiliated with International Waterfowl and Wetland Research Bureau (IWRB) Slim bridge.
- Editor: The Crowned Crane Newsletter of the Working Group on Africa Cranes.

LIST OF SCIENTIFIC PUBLICATIONS

1. **Muringo, C.M.** and Pomeroy, D.E. 1979. Check-list of Birds in Integrated Project in Arid Lands (I.P.A.L.) Study Area, northern Marsabit District, published in the progress report for the Third Quarter.
2. Pomeroy, D.E. and **Muringo C.** 1979 Seasonality in the bird fauna of Nairobi. *Journal of the East Africa Natural History Society and National Museums*, Nairobi.
3. **Gichuki, C.M.** 1983. Some Aspects of the Ecology of Speke's Weaver *Ploceus spekei* (Heuglin) in Nairobi, Kenya. M.Sc. Thesis, University of Nairobi.
4. Pomeroy, D.E. and **Muringo, C.** 1984. Studies of birds in a semi-arid region of Kenya. (1) The use of transects to assess the effects of bush clearance on bird populations. *Proc. V. Pan-African Orn. Congr.* 179-199.
5. Bennun, L.A., **Gichuki, C.M.**, Darlington, J. and Ng'weno, F. 1986. The Avifauna of Ol Doinyo Orok, a forest island in southern Kenya. *Scopus* 10 (3/4): 83-86.
6. **Gichuki, C.M.** and Pearson, D.J. 1987. A Kenya record of the shy Albatross *Diomedea cauta*. *Scopus* Vol. 11, No. 2.

7. **Gichuki, C.M. 1987.** The diet of the Barn Owl, *Tyto alba* (Scopoli), in Nairobi, Kenya. *Journal of the East Africa Natural History Society and National Museums* 75 (187): 1-7.
8. **Gichuki, C.M. 1988.** Nest building of Speke's Weaver *Ploceus spekei* in Nairobi, Kenya. *Proceedings of the 6th Pan-African Ornithological Congress.* 29th March-4th April 1985. Francistown, Botswana
9. Gichuki, N.N. and **Gichuki, C.M. 1988.** Recent Studies of Crowned Crane *Balearica regulorum* in Kenya. *The Crowned Crane*, Vol. 2, 1987.
10. Gichuki, N.N. and **Gichuki C.M. 1988.** Relationships between habitat selection and flock characteristics in foraging Crowned Cranes *Balearica regulorum* in Kenya. *Proc. 111 International Crane Workshop*, Quiqihar, China, 1 - 10 May 1987
11. **Gichuki, C.M. 1988.** Time budget of male Speke's Weaver *Ploceus spekei* during the breeding season. *Proceedings XIX International Ornithological Congress* Ottawa, Canada, June 1986.
12. **Gichuki, C. M. 1988.** Birds seen and trapped on a study visit to the south-western Mau Forest, Kenya. National Museums of Kenya, Nairobi: Mimeo
13. Short, L.L., Horne, J.F.M. and Gichuki, C.M. 1990. Annotated check-list of the Birds of East Africa. *Proceedings of the Western Foundation of Vertebrate Zoology (Supplement)*, Los Angeles, California, Vol. 4 No. 3. pp. 246.
14. **Gichuki, C.M.** and Schifter, H. 1990. Sedentary habits and life span of birds in North Nandi Forest. *Scopus* 14: 29-25.
15. Gichuki, N.N. and **Gichuki, C.M.** 1991. The breeding behaviour of Crowned Crane *Balearica regulorum* and its implications for conservation of riverine swamps in western Kenya. *Proceedings of the East Africa Wildlife Society Conference*, Kilaguni Lodge, Tsavo West National Park, Kenya, 6-11th September 1990.
16. Gichuki, N.N. and **Gichuki C.M.** 1993. Developing an integrated monitoring programme for waterbirds in Kenya. *Proceedings of IWRB's Technical Workshop on integrated monitoring and conservation of migratory water birds*, Florida (U.S.A.), 12 - 19 November, 1992.
17. **Gichuki, C.M.** 1995. Biodiversity and catchment area on its way out.

- Proceedings of the 1993 African Crane and Wetland Training Workshop.*
International Crane Foundation, Baraboo, Wisconsin, U.S.A, XII +66pp.
18. **Gichuki, C.M.** 1997. Community-based Wetland Management in Africa: A Case Study of Lake Ol Bolossat, Kenya. In: Claridge G.F. & O'Callaghan, B. (eds.) *Community Involvement in Wetland Management: Lessons from the Field.* page 139-150 Kuala Lumpur: Wetlands International.
 19. **Gichuki, C.M.,** Gichuki, N.N. & Kairu, E.W. 2000. Population biology and breeding ecology of the African Snipe (*Gallinago nigripennis*) in central Kenya. In: Kalchreuter H. (ed.). *Proceedings of Fifth European Woodcock and Snipe Workshop*, Pp. 45-50. Wetlands International Global Series, No. 4, International Wader Studies 11, Wageningen, The Netherlands, vi + 85pp.
 20. **Gichuki, C.M.,** Kairu, E.W., and Okelo, O.O 2001. Breeding Behaviour of the African Snipe *Gallinago nigripennis* in central Kenya. *Journal of African Ornithology (Ostrich 15)*116-118.
 21. **Gichuki, C.M** and Gichuki, N.N. 2000. Comparative ecology and morphology of snipes (family Scolopacidae) in Africa. 4th International Symposium on *Isolated Vertebrate Communities in the Tropics.* Bonn, Germany. *Bonn Zoological Monograph 46, 2000.*
 22. **Gichuki, C.M,** Gichuki, N.N. 2000. The breeding strategies of a tropical snipe (family scolopacidae) in the highlands of central Kenya. *Proceedings XXIII International Ornithological Congress Beijing China August 2002.*
 23. **Gichuki, C.M.** 2003. Jewel of the Marsh. In: Peta M. (eds)*Kenya Past and Present* Pp 33-36 Issue No. 34. Published by Kenya Museum Society. Nairobi.
 24. Muzymi, Z., Gichuki N.N. and **Gichuki C.M.** 2007. A case study of African Crane Trade. In Kerry, M. (ed.) *African Cranes, Communities and Wetlands Newsletter* Vol. 2.
 25. **Gichuki, C.M.** 2009. Influence of Human Activities on African Snipe (*Gallinago nigripennis*) in Kenya. In Ferrand, Y. (ed) *Sixth International Woodcock and Snipe Conference held in Nantes, France.*
 26. **Gichuki, C.M.** and Gichuki N.N. (2010). Dynamics of tropical inland delta wetlands: A case study of Ewaso Ngiro Swamp in Southern Kenya. *Journal of Science and Innovations, 2: 15-19.*

27. Rosemary Kimani , Mwangi D.M and **Gichuki, C.M.** 2011. The role of constructed wetlands for waste water treatment. *Journal of Waste Management*, 10: 16-19.
28. Janet O. Achieng, **Cecilia M. Gichuki** and Caleb – Mireri (in progress, 2014). Construction of water pans as a strategy for enhancing water supply and improving livelihoods at Isinya in Kajiado County, Kenya.
29. Nuru M. Tzuma and **Cecilia M. Gichuki** (2012). Indigenous knowledge of birds among the Mijikenda community of the Kenya coast. *Proceedings of the Pan-African Ornithological Congress, Arusha Tanzania.*
30. Chege J.M., **Gichuki, CM.** and Kerich, R. (2012). Habitat Utilization by Hinde's Babbler (*Tudoides hindei*) in Mukurwe-ini Important Bird Area, in Central Kenya. *Proceedings of the Pan-African Ornithological Congress, Arusha Tanzania.*

POSTGRADUATE STUDENT MENTORING AND SUPERVISION

PhD students supervised

Peter O. Ooko 2014 . Attitude of agricultural extension service providers towards use of agro-chemicals in sustainable agriculture in Migori County, Kenya.

M.Sc students supervised

1. **Geoffrey, L .Lelenguyah 2014.** Effects of Climate Variability on Pastoral Livelihoods in Marigat District, Baringo County Kenya.
2. **Juliana Nzeki 2014.** Impacts of Climate Variability and the Adoption Strategies on Water Accessibility for Crop Production in Mutituni Division, Machakos County Kenya.
3. **Mumini Ndenge Dzoga, 2014.** Evaluation of Beach hotels Capacity to Cope with Climate Variability in Mombasa County, Kenya.
4. **Margaret W. Mathenge, 2013.** Effects of Natural Resource Based Conflicts on Community Livelihoods in Lake Ol-bolosat Catchment area, Nyandarua County, Kenya.
5. **Chege J. Mutuota, 2012.** Impacts of Farmers knowledge Attitude and Land use Practices on the conservation status of Hinde's Babbler(*Turdoides hindei*) in Mukurweini Valleys Nyeri County, Kenya.
6. **Wahogo Purity Mumbi, 2014.** Rooftop rainwater harvesting as adaptation to climate change as in the case of Murang'a east district primary schools in Murang'a county, Kenya.
7. **Gathuku George Njau 2013.** A contribution of conservation education centers towards sustainable environment awareness in schools a case of giraffe center, Nairobi county, Kenya
8. **Mburu J. Chege 2014.** The role of trees of cultural significance in mitigation change in Kirinyaga East subcounty, Kenya.
9. **Mugure Keziah Monicah 2014.** Biogas adoption in the mitigation of climate changes in Gatanga division, Murang'a county, Kenya.
10. **Rodah Owako Okeyo 2014.** Impacts of Kipepeo conservation project on livelihoods and climate change mitigations among communities living around Arabuko Sokoke Forest in Kilifi county, Kenya.

11. **Ochieng Millicent 2014.** Climate change awareness and policy implications among primary school teachers in Kisumu county, Kenya.
12. **Oyuke J. Achieng 2014.** Influence of water dam on drought management in Isinya sub-county, Kenya.
13. **Thomas Lening'ole, 2014.** Herdsmen perception on climate change its modifying factors and their impacts on east coast fever in Baringo County, Kenya.
14. **Rosemary W. Kimani.2011.** Treatment of flower farm wastewater effluents using constructed wetlands in Kingfisher Farm in Naivasha, Kenya.

Postgraduate thesis examined

1. **Otsieno Namwaya, 2012.** Patterns and contribution of mass media coverage towards the management of effluent waste in Nairobi, Kenya. M.Sc. Thesis. School of Environmental Studies, Kenyatta University.
2. **Jacinter Aluoch Amadi 2012.** Water quality and micro-invertebrate community structure of two small Lake Victoria basin rivers in response to weir installation. School of Applied Sciences, Kenyatta University.
3. **Everlyne Chitechi Wemali. 2013.** Status and distribution of indigenous vegetables to agro-biodiversity and community livelihood in Mumias sugar belt, Kakamega County, Kenya. PhD Thesis. School of Environmental Studies, Kenyatta University
4. **Mutahi William Gichuki, 2013.** Awareness and source of climate change information among secondary schools in Nairobi county, Kenya. M.Sc Thesis. School of Environmental Studies, Kenyatta University.
5. **John N. Muturi, 2014.** Assessment of environmental degradation and health risk associated with wastes at Thika municipality Slaughter House, Kiambu county, Kenya. M.Sc Thesis. School of Environmental Studies, Kenyatta University.
6. **Nancy Wanja Njenga 2012.** Vulnerability to change and adaptation strategies fo small scale farmers in north Kinangop location, Nyandarua south district. M.Sc Thesis. School of Environmental Studies, Kenyatta University.
7. **Christine Adongo, 2014.** Impacts of utilization of tree products on the biodiversity of Kaya Mudzimuvya, a world heritage site in Kilifi county, Kenya. M.Sc Thesis. School of Environmental Studies, Kenyatta University.
8. **Kithandi Rosinah Mbenya, 2013.** Utilization and sustainability of bio-centers in Kibera slums in Nairobi County, Kenya. . M.Sc Thesis. School of Environmental Studies, Kenyatta University.