

CURRICULUM VITAE

1.0: BACKGROUND

NAME	: OGUGE
FIRST NAMES	: Nicholas Otienoh
DATE OF BIRTH	: 1960 April
PLACE OF BIRTH	: Nairobi
NATIONALITY	: Kenyan
MARITAL STATUS	: Married to Ruth Ombonya Otienoh
CHILDREN	: Barrack Oguge Otienoh (25 February, 1985) : Nereah Adhiambo Otienoh (28 January, 1987)
CURRENT ADDRESS	
P.O. Box 10717-00100	
Nairobi	
Kenya	
Tel. 0722702970	
Email: otienoh.oguge@gmail.com	

2.0: PREAMBLE

My skills and experiences span academia, research, resource management, project management, community outreach, and interrelationships. I have in the process made conscious and deliberate effort to contribute to institutional strategic directions. My experience in public service delivery has largely shaped my approach to the process of research and knowledge sharing. I have experience in encouraging and facilitating integration of science and policy, researchers and community, and different types of science with the aim of improving natural resource management and environmental governance at landscape, national and regional levels with global implications. Currently, I am an Associate Professor of Environmental Policy at the Centre for Advanced Studies in Environmental Law and Policy, University of Nairobi.

In this resume, I provide a description of key achievements, management experience, work experience, education, skills, referees and annexes.

3.0: KEY ACHIEVEMENTS

3.1 Leadership, Strategic Planning, Management, Innovation and Partnerships

I develop strategic and business plans for Earthwatch Institute Kenya since 2003 with key performance indicators to address following goals for the Samburu-Laikipia landscape of northern Kenya:

- (i) Build local and national capacity in scientific research and monitoring to address environmental issues

- (ii) Reduce human-wildlife conflict
- (iii) Increase mega-fauna
- (iv) Increase access to clean water
- (v) Enhance livelihoods

To achieve above goals, I engage stakeholders at various levels, including local community leaders, local and international researchers, conservation workers and government management representatives to work towards a sustainable environment of the drylands of Samburu and Laikipia, northern Kenya.

Contribution to strategic direction for scientific communities

I recently brought together 126 professional ecologists from eastern African countries leading to the formation of Ecological Society for Eastern Africa of which I am the founding President. I then organized a maiden scientific conference for the society with regional participants from Ethiopia, Kenya, Malawi, Tanzania, Uganda, Rwanda and Zambia. I was also in the Technical Committee of the Society for Conservation Biology 2007 conference held in Port Elizabeth, Republic of South Africa.

I was recently appointed a member of the International Scientific Committee by the British Ecological Society for the forthcoming International Congress on Ecology.

Since 2003, I have worked with scientists from universities and research institutions to develop environmental research projects in three thematic areas (ecosystem studies, endangered species conservation, and applied research) to address conservation in drylands of Samburu and Laikipia.

3.2 Project Implementation Oversight and Support

To achieve our strategic goals in Samburu, I have developed innovative researches with focus on three Earthwatch's Priority Research Areas – sustainable resource management, climate change, and sustainable cultures. A total of 10 research projects have been undertaken including studies on the endangered Grevy's zebra, water resources, wildlife habitats, carnivore-livestock conflict, and medicinal plants.

These have involved a total of 26 scientists and financial support of over US\$ 2.5 million.

3.3 Policy Support, Development, Dialogue and Advocacy

I have been engaged by key conservation organizations to develop technical papers towards policy, dialogue and advocacy on protected areas management, biodiversity mainstreaming and integrated land and water management strategies, including with regard to governance issues, capacity building, and market based management instruments. Thus, I provided key support and guidance to:

- The African Wildlife Foundation (AWF) to undertake monitoring and evaluation of a community based natural resource management in Laikipia, Kenya-2005

- The International Union for Nature Conservation (IUCN) to identify indicators and benchmarks for the assessment of the actual or potential contribution of good land management practices in mixed livestock/wildlife production agro-ecosystems -2006
- The International Fund for Animal Welfare (IFAW), engaged me to evaluate the Meru Conservation Area habitat restoration programme and develop for them a habitat restoration model for dryland habitats-2007
- WWF-EARPO in the development of Strategic Environmental Assessment of the transboundary Mara River Basin Management Initiative-2008
- Nature Kenya on the Cost Benefit Analysis of the proposed sugar project in the Tana Delta of coastal Kenya-2008
- WWF-EARPO on Climate Change Adaptation Capacity Building Workshop for staff of the World Wide Fund for Nature - 2008.
- WWF-EARPO on Policy Brief on building capacity in climate change adaptation: The need for organizational capacity in delivering climate change adaptation measures to communities -2008.

Professional society – I am the founder President of the Ecological Society for Eastern Africa (www.ecsea.org), a new professional membership society for ecologists from Ethiopia, Kenya, Tanzania and Uganda. The society aims at among other issues, to provide a forum, leadership and authority to lobby for mainstreaming of key ecological paradigms into national as well as regional policy, governance and sustainable development, while reducing duplication of ecological programmes and activities in the regions.

Non-professional society – I am the Immediate Past President of the Rotary Club of Westlands Nairobi, thus strive to provide service to others (www.rotarywestlands.org).

3.4 Generating, managing and stimulating the uptake of knowledge

I place high emphasis on generating and sharing knowledge to promote evidence-based policies and practices, influence new thinking and stimulate research findings into conservation action.

Research - My primary interests are in (i) ecosystems and biodiversity conservation, (ii) conservation of endangered species, (iii) community based natural resource management, (iv) climate change adaptation strategies. I have effectively moved research findings to applications through peer reviewed publications, book chapters, technical reports, scientific conference presentations and popular articles. These are detailed in Annexes I, II, III, IV & V.

Capacity building – In my 25 years of natural resource management work, I have aimed at developing a young scientific leadership by providing insight on the ecosystems in a manner that allows audience to recognize patterns and interrogate structures, causes, functions and applications towards sustainable environments (Annex IV, VI & VII).

Transitional skills – I work with local communities in Samburu and Laikipia by providing training in participatory natural resource management programmes (Annex IV). This is

essential to help them develop resilience to cope with increasing environmental challenges including climate change.

3.5 Programming and Resource Mobilization

I have a successful record in programme and project identification and development in the ecosystems and natural resources- biodiversity focal area within the eastern African region. These include mobilizing human and financial resources for research and capacity development as follows:

1. 1996-2000. - The Taita Hills Project, a study of biodiversity and habitat fragmentation. With Prof. W. Verheyen, Dr. Marc De Meyer & Dr. Luc Lens: Belgian Francs 17.6 M (Belgian Government) (www.biodiv.org)
2. 1999 - Genetic variation and population viability of hirola (*Damaliscus hunteri* Sclater 1889) in Kenya With Jeanne Altman: US\$ 2000 (Chicago Zoological Society).
3. 1999-2001 – A community based program in rodent control in Rongai Division, Nakuru District. With Leirs, H. & Gatimu, J. US\$ 74000 (Rockefeller Foundations). (www.rockforum.org)
4. 2000-2003 – Protecting staple crops in eastern Africa: integrated approaches for ecologically based field rodent pest management. With Dr. Herwig Leirs et al. €575000 (the European Commission). (www.dpil.dk/staplerat)
5. 2000-2001 – Rodents as food in Africa. (Preliminary study in Kenya). US\$ 400 (David Watson, USA)
6. 2001-2002 – A community based program in rodent control in Rongai Division, Nakuru District. US\$ 5700 (Rockefeller Foundations). (www.rockforum.org)
7. 2003 - Distribution, Diversity and Conservation Status of Small Mammals in Meru National Park, Kenya. With Paul Webala US\$ 2500 (Wildlife Conservation Society).
8. 2003-2005 - Conservation of Grevy's Zebra (*Equus grevyi*) in Samburu, Kenya. With Dr. Paul Muoria and Prof. Dan Rubenstein US\$ 201,810 (Earthwatch Institute).
9. 2005 – Testing criteria and indicators for sustainable forest management in Dry Zone Africa at the FMU level: Case of Got Ramogi Sacred Forest, Kenya. Donald Ogwen and Nicholas Oguge US\$ 19, 667 (RPSUD)
10. 2006. Nicholas Oguge and Nathan Gichuki. KENYA, UGANDA AND TANZANIA - One year's funding to run a conference bringing Ecologists from Kenya, Uganda and Tanzania together to discuss the options for an East Africa Ecological Society or network - £10,000.
11. 2007. Nicholas Oguge. Ecological Society for Eastern Africa. £36,000 (British Ecological Society).
12. 2008. Nicholas Oguge and Grace Velardi. Earthwatch Institute. \$150,000 (Tyco Inc).
13. 2009. Marcus Gerald and Nicholas Oguge. Earthwatch Institute. £164,000 (Rio Tinto).

4.0: WORK EXPERIENCE

4.1 Employment history

From April 2010	Associate Professor, Centre for Advanced Studies in Environmental Law and Policy (CASELAP), College of Humanities and Social Sciences, University of Nairobi.
July 2003 –March 2010.	Country Director, Earthwatch Institute Kenya
September 2001-June 2003.	Visiting Associate Professor, Department of Biology, Duke University, NC, USA
February 1999- September 2001.	Chairman, Department of Zoology, Kenyatta University, Nairobi, Kenya.
March 1994-September 2002.	Senior Lecturer, Department of Zoology, Kenyatta University, Nairobi, Kenya.
July 1992- February1994.	Lecturer, Department of Zoology, Kenyatta University, Nairobi, Kenya.
June1987- June1992.	Tutorial Fellow, Department of Zoology, Kenyatta University, Nairobi, Kenya
December 1986 to May 1987.	Tutorial Fellow, Department of Wildlife Management, Moi University, Eldoret, Kenya
June 1986 to November 1986.	Research Officer (Ecologist), Kenya Trypanosomiasis Research Institute (KETRI), Muguga, Kenya
May 1983 to May 1986.	Graduate Teacher, Teacher Service Commission, Kenya.

4.2 Other experiences

June 2008	Strategic and Business Plan, Rotary Club of Westlands Nairobi, Kenya
May 2008	Strategic and Business Plan, Ecological Society for Eastern Africa, Morogoro, Tanzania
September 2006	Instructor, Tropical Biology Association, Naivasha, Kenya
August 2006-Present	Part time Lecturer, Department of Architecture, Jomo Kenyatta University of Agriculture and Technology
September 2001 -July 2003.	Visiting Associate Professor, Department of Biology, Duke University, NC, USA
May – July 2000.	Visiting Scientist, University of Antwerp (RUCA) and the - Royal Belgian Institute of Natural Sciences
February - April 2000.	Kenya's National Technical Committee

	Member, 11 th Conference of Parties to the Convention of International Trade in Endangered Wild Fauna and Flora (CITES).
May – July 1999.	Visiting Scientist, University of Antwerp (RUCA) and the -Royal Belgian Institute of Natural Sciences.
1999-2002.	Member, Hirola Management Committee, Kenya
1997-2000.	Honorary Research Fellow, Department of Biology, University College London.
October 1996-November 1997.	Visiting Research Fellow, Conservation Genetics - Group, Institute of Zoology, The Zoological Society of London, UK
May 1995.	A study of the sociobiology of the toque macaques in Poloronua, Sri Lanka
July 1994.	Instructor, First Darwin Course in Tropical Biology, Kibale Forest, Uganda
February 1987- March 1988.	Team Member, FAO/UNDP Project Ken/85/009 on the development of a rodent control program in the Ministry of Agriculture, Kenya.

5.0 EDUCATION AND PROFESSIONAL ENGAGEMENTS

5.1 Educational attainment

Ph.D - Animal Physiology (1988-1992)

Animal and Veterinary Sciences Group, Lincoln University, Canterbury, New Zealand

Thesis research: Effects of medroxyprogesterone acetate on reproduction in rabbits.

MSc - Biology of Conservation (1983-1986)

University of Nairobi, Nairobi, Kenya

Thesis research: Food habits of small mammals in a dry sub-humid grassland in Kenya.

BEd - (Botany, Zoology, Education) (1979-1983)

Kenyatta University College (University of Nairobi)

5.2 Professional associations

- Ecological Society for Eastern Africa (Founder President)
- Society for Conservation Biology
- American Society of Mammalogists
- International Association of Impact Assessment
- Society of Conservation GIS Kenyan Chapter
- Insectivore Specialist Group/SSC/IUCN
- East African Natural History Society (Nature Kenya)
- Centre for Ecology and Evolution, University College London (1997)

- Ecological Society of America (March 1994 -1996)
- The New Zealand Society of Endocrinology (1990 -1996)
- Australasian Wildlife Management Society (1989 - 1992)
- Academic community representative, Important Bird Area Liaison Committee.

5.3 Professional appointments

Member – Editorial Board, African Journal of Ecology

Referee assignments

- *Belgian Journal of Zoology*
- *Mammalia*
- *Pachyderm*
- *Wildlife Fertility Control Symposium*
- *Journal for the East African Natural History Society*

Peer evaluation and rating

- *National Research Foundation, Republic of South Africa*

5.4 Professional Awards

- **Fulbright Senior Fellow, USA 2003**
- Commonwealth Fellow, UK (1996-1997)
- Earth Watch Europe Fellowship (1995)
- Commonwealth Scholar, New Zealand (1988-1992)
- Royal Society of New Zealand Canterbury Branch Travel and Research Grant (1990)
- East African Wildlife Society Research Grant (1984)
- Kenyatta University Postgraduate Scholarship (1983-1985)

6.0: ACQUIRED SKILLS

Skill cluster	Specific skill
Communication	Interpersonal skills
	Oral and written presentation
	Negotiation
Computer skills	Microsoft Office
	Various statistical packages
Language proficiency	English
	Kiswahili
	Luo
	Basics in French

7.0 REFEREES

1. Dr. Susan Alberts,
Professor, Department of Biology

Duke University, Box 90338, Durham NC 27708, USA
Tel. 919-660-7272
Fax 919-660-7293
Email: alberts@duke.edu

2. Prof. Donald Ogweno
Deputy Director and Principal,
Kenya Forestry College, P.O. Box 8, Londiani, Kenya
Tel +254 50 64029, Cell: +254 722 789 110
Email: kfclondiani@yahoo.com

3. Anne T. Ogilvie
International Director of Field Management
Earthwatch Institute
3 Clock Tower Place, Suite 100
Maynard, MA 01754-0075

+1-978-461-0081 ext. 240
www.earthwatch.org

ANNEXES

Annex I: Peer reviewed publications

Book chapter

- Odhiambo, C.O. & **Oguge, N.O.** 2003 – Patterns in rodent pest distribution in a maize cropping system in the Kenyan Rift Valley. Pp 217-219. In: Singleton, G.R., L.A. Hinds, C.J. Krebs & D.M. Spratt (Eds). *Rats, Mice and People: Rodent Biology and Management*. ACAIR Publications, Canberra
- Ojwang, D.O. & **Oguge, N.O.** 2003 – Testing a biological control program for rodent management in a maize cropping system in Kenya. Pp 251-253. In: Singleton, G.R., L.A. Hinds, C.J. Krebs & D.M. Spratt (Eds). *Rats, Mice and People: Rodent Biology and Management*. ACAIR Publications, Canberra
- Makundi, R., **Oguge, N.** & Mwanjabe, P. 1999 - Rodent Pest Management in East Africa - an ecological approach. Pp 460-476. In: Singleton, G., H. Leirs, Zhang Zhibin & L. Hinds (Eds). *Ecologically-based Rodent Management*. ACAIR Publications, Canberra

Book chapters *In press*

- **Oguge, N.O.** & Hutterer, R. *Crocidura jacksoni*. In : Kingdon, J., Happold, D. & Butynski, T. (Eds). *The Mammals of Africa*. University of California Press, Los Angeles.

- **Oguge, N.O.** & Hutterer, R. *Crocidura macarthurii*. In : Kingdon, J., Happold, D. & Butynski, T. (Eds). *The Mammals of Africa*. University of California Press, Los Angeles.
- **Oguge, N.O.** & Hutterer, R. *Crocidura fischeri*. In : Kingdon, J., Happold, D. & Butynski, T. (Eds). *The Mammals of Africa*. University of California Press, Los Angeles.
- **Oguge, N.O.** & Hutterer, R. *Crocidura turba*. In : Kingdon, J., Happold, D. & Butynski, T. (Eds). *The Mammals of Africa*. University of California Press, Los Angeles.
- **Oguge, N.O.** & Hutterer, R. *Suncus aequatorius*. In : Kingdon, J., Happold, D. & Butynski, T. (Eds). *The Mammals of Africa*. University of California Press, Los Angeles.

Refereed articles

- **Oguge, N.O.**, Durden, L.A., Keirans, J.E., Balami, H.D., and Schwan, T.G. (2009) Ectoparasites (sucking lice, fleas and ticks) of small mammals in southerstern Kenya. *Medical and Veterinary Entomology* **23**: 387-392
- Riccardo Castiglia, **Nicholas Oguge**, Marco Corti. (2008) Karyotype divergence between two subspecies of the African rodent *Lemniscomys striatus* (Rodentia, Muridae) *Mammalia* 72:57-60
- S.M. Kivai, P.K. Muoria, A. Bekele and **N. Oguge** (2007) Activity budget and group dynamics in Grevy's zebra on Samburu rangelands, Kenya. *Discovery and Innovations (Special Edition No. 2)* **19**: S 162-169
- Stanlaus Kivai Mulu, Afework Bekele, Paul Kimata Muoria and **Nicholas Oguge** (2007) Feeding ecology of Grevy's zebra (*Equus grevyi*, Oustalet 1882) on Samburu pastoral lands, Kenya. *Discovery and Innovations (Special Edition No. 2)* **19**: S 177-185
- Paul K. Muoria, Philip Muruthi, Waititu K. Kariuki, Boru A. Hassan, Dominic Mijele, **Nicholas O. Oguge**. (2007) Anthrax outbreak among Grevy's zebra (*Equus grevyi*) in Samburu, Kenya *African Journal of Ecology* (online)
- Nancy Nthenya Moinde-Fockler, **Nicholas Otienoh Oguge**, Genesio Mugambi Karere, Daniel Otina and Mbaruk Abdalla Suleman (2006) Human and natural impacts on forests along lower Tana river, Kenya: implications towards conservation and management of endemic primate species and their habitat. *Biodiversity and Conservation*. 1572-9710 (Online)
- Riccardo Castiglia, Silvia Garagna, Valeria Merico, **Nicholas Oguge** & Marco Corti (2006) Cytogenetics of a new cytotype of African *Mus* (subgenus *Nannomys*) *minutoides* (Rodentia, Muridae) from Kenya: C- and G- banding and distribution of (TTAGGG)_n telomeric sequences. *Chromosome Research* 14: 587-594
- Riccardo Castiglia, Afework Bekele, Rhodes Makundi, **Nicholas Oguge** & Marco Corti (2006) Chromosomal Diversity in the Genus *Arvicanthis* from the Horn and East Africa: a taxonomic and phylogenetic evaluation. *Journal of Zoological Systematics and Evolutionary Research* 44(3):223-235

- James S. Clark, Goncalo Ferraz, **Nick Oguge**, Helen Hays, and Joseph DiCostanzo. (2005) Hierarchical Bayes for structured, variable populations: from recapture data to life-history prediction. *Ecology* 86 (8): 2232-2242
- Odhiambo Christopher, **Oguge Nicholas Otienoh**, Leirs Herwig (2005) Movements and spatial patterns of *Mastomys erythroleucus* in maize cropping systems in the Kenyan Rift Valley. *Belgian journal of zoology* 135 (supplement): 83-89.
- Marco Corti, Riccardo Castiglia, Paolo Colangelo, Ernesto Capanna, Francesca Beolchini, Afework Bekele, **Nicholas O. Oguge**, Rhodes H. Makundi, Alfred M. Sichilima, Herwig Leirs, Walter Verheyen and Ron Verhagen (2005) Cytotaxonomy of rodent species from Ethiopia, Kenya, Tanzania and Zambia. *Bel. J. Zool.* 135 (supplement): 197-216.
- G.M. Wahungu, P.K. Muoria, N.N. Moinde, **N.O. Oguge** and J.N. Kirathe. (2005) Changes in forest sizes and primate population trends along the River Tana floodplain, Kenya. *African Journal of Ecology* 43: 81- 90
- Paolo Colangelo, Marco Corti, Erik Verheyen, Flavia Annesi, **Nicholas Oguge**, Rhodes Makundi, Walter Verheyen. (2005) Mitochondrial phylogeny reveals differential modes of chromosomal evolution in the genus *Tatera* (Gerbilliscus) (Rodentia: Gerbillinae) in Africa. *Molecular Phylogenetics and Evolution* 35: 556-568
- Paul K. Muoria, Philip Muruthi, Daniel Rubenstein, **Nicholas O. Oguge** and Elephas Munene. (2005). Cross-sectional survey of gastro-intestinal parasites of Grevy's zebras in southern Samburu, Kenya. *Afr. J. Ecol.* 43:392-395
- **Oguge, N.O.**, Hutterer, R, Odhiambo, R. & Verheyen, W. (2004) Diversity and structure of shrew communities in montane forests of southeast Kenya. *Mammalian Biology* 69 (5):289-301
- Webala, P., **Oguge, N.** & Afework, B. 2004. The diversity and distribution of bats in Meru National Park, Kenya. *African Journal of Ecology* 42 (3): 171-178
- Karere, G.M., **Oguge N.O.**, Kirathe J., Muoria, P.K., Moinde, N. N., Suleman, M.A. (2004) Primates population size and distribution in the lower Tana river forests, Kenya. *International Journal of Primatology* 25 (2): 351-365
- Ogada, Mordecai O., Woodroffe, R., **Oguge, Nicholas O.** & Frank, Laurence G. 2003. Limiting depredation by African carnivores: The role of livestock husbandry. *Conservation Biology* 17 (6): 1521-1530
- Kongoro, J.A., Osir, E.O., Imbuga, M.O. & **Oguge, N.O.** 2002. Effect of age on the susceptibility to trypanosomes in *Glossina* species: *G. morsitans morsitans*, *G. longipennis* and *G. fuscipes fuscipes*, in relation to their midgut trypsin and trypsin-like enzyme levels. *Insect Science Applications.* 22 (4):295-301
- Muoria, P.K., Gordon, I. & **Oguge, N.O.** 2001 – Elephants as seed dispersal agents in Arabuko-Sokoke Forest, Kenya. *Pachyderm*, 30:75-80
- Odhiambo, R. & **Oguge, N.** 2001 – Status of Sykes's monkey *Cercopithecus mitis albogularis* in the Taita Hills, Kenya. *African Primates*: 5, 54-55
- Muya, S. M. & **Oguge, N. O.** 2000 - Effects of browse availability and quality on black rhino (*Diceros bicornis michaeli* Groves 1967) diet in Nairobi National Park, Kenya. *Afr. J. Ecol.*, 38:62-71.
- Rogo, L. & **Oguge, N.** 2000 – The Taita Hills forest remnants: a disappearing world heritage. *AMBIO*: 8, 522-523

- **Oguge, N.O.**, Ndung'u, D.M. & Okemo, P.O. 1997 - Effects of neem plant (*Azadirachta indica* A. Juss: Maliaceae) extracts and powder on grain consumption by rodent pests in Kenya. *Belg. J. Zoo. (Suppl. 1)* 127:129-135.
- **Oguge, N.O.**, Rarieya, M. & Ondiaka, P. 1997 - A preliminary survey of the macroparasite communities of rodents of Kahawa, central Kenya. *Belg. J. Zoo. (Suppl. 1)* 127:113-118.
- **Oguge, N.O.** & Barrell, G.K. 1996 - Antifertility effects of oral medroxyprogesterone acetate in rabbits. *Reprod. Fert. Dev.* 8:1185-1192.
- **Oguge, N.O.** 1995 - Diet, seasonal abundance and microhabitats of *Praomys (Mastomys) natalensis* (Rodentia: Muridae) and other small rodents in a Kenyan sub-humid grassland community. *Afr. J. Ecol.* 33: 211-223.
- **Oguge, N.O.** & Barrell, G.K. 1990 - Kinetics of medroxyprogesterone acetate and effects of a single oral dose on fertility in female rabbits. p. 274-278. In: *Proceedings of the 43rd New Zealand Weed and Pest Control Conference, Dunedin, New Zealand.* Edited by Popay, A. Palmerston North: Swiftprint Centre Limited.

Article under review

- Christopher TUMUSIIME, Vincent MUWANIKA, **Nicholas OGUGE**, Hans R. SIEGISMUND, Peter ARCTANDER & Silvester NYAKAANA Mitochondrial DNA genetic diversity and population structure of a forest- dependent rodent, *Praomys taitae* Heller 1912, in the fragmented forest patches of Taita hills, Kenya. *Biological Conservation*
- Collins Ouma, Alfred L. Roca, **Nicholas O. Oguge**, Joel W. Ochieng, Olivier Hanotte, and Nicholas Georgiadis. Genetic Structure of Hartebeest Populations Straddling a Transition Zone Between Morphotypes. *Proc. Roy. Soc. Lond.*

Conservation reports

- **Oguge, N.**, Hutterer, R. & Howell, K. 2004. *Crocidura jacksoni*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- Howell, K., **Oguge, N.** & Chitaukali, W. 2004. *Beamys major*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- Van der Straeten, E., Kerbis Peterhans, J., Howell, K. & **Oguge, N.** 2004. *Cricetomys gambianus*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- Dieterlen, F., Kerbis Peterhans, J. & **Oguge, N.** 2004. *Dendromus insignis*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- Hutterer, R., **Oguge, N.** & Howell, K. 2004. *Crocidura selina*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- Hutterer, R. & **Oguge, N.** 2004. *Crocidura fumosa*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- Hutterer, R., Howell, K. & **Oguge, N.** 2004. *Crocidura xantippe*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- Hutterer, R., Jenkins, P. & **Oguge, N.** 2004. *Crocidura macowi*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- Hutterer, R., Jenkins, P. & **Oguge, N.** 2004. *Crocidura macowi*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.

- Howell, K. & **Oguge, N.** 2004. *Beamys hindei*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- Grubb, P. & **Oguge, N.** 2004. *Xerus erythropus*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.
- Grubb, P. & **Oguge, N.** 2004. *Xerus rutilus*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. <www.iucnredlist.org>.

Annex II: Contributions at Scientific meetings

- **Nicholas O. Oguge**. 2009. Climate Change and Conservation Challenges in Africa. Tropical Vertebrates in a Changing World. Zoologisches Forschungsmuseum Alexander Koenig (ZFMK), May 3-8 2009.
- **Nicholas O. Oguge**, Caleb Mireri & Ester Mwele. 2008. Community-based wildlife conservation programmes contribute to alternative livelihood support for Samburu pastoralists in northern Kenya. Society for Conservation Biology 22nd Annual Meeting July 13- 18 2008, Chattanooga, USA
- Machan, S.N., **Oguge, N.O.**, Mireri, C. 2008. An evaluation of grazing systems and implications of the emerging community wildlife conservancies in Samburu District, Kenya. Ecological Society for Eastern Africa Maiden Scientific Conference May 22-23 2008, Morogoro, Republic of Tanzania.
- Kivai, S.M, **Oguge, N.**, Kimata, P.M, Bekele, A. 2007. Feeding Ecology of Grevy's Zebra (*Equus Grevyi*, Oustalet 1882) on Samburu Pastoral Lands, Kenya. Society for Conservation Biology 21st Annual Meeting June 30-July 5 2007, Port Elizabeth, Republic of South Africa.
- Muoria, Paul K., **Nicholas O. Oguge**, Hassan A. Boru, Caroline Bosire, Philip Muruthi. 2007. Conservation of Grevy's Zebras In The Samburu Landscape. Society for Conservation Biology 21st Annual Meeting June 30-July 5 2007, Port Elizabeth, Republic of South Africa.
- **Nicholas Oguge**, Erik Verheyen & Walter Verheyen. 2006. Phylogeography of the eastern African *Praomys*. 3rd International Conference on Rodent Biology and Management August 28 – 1 September 2006, Hanoi, Vietnam
- **Oguge, N.** 2006. Saving biodiversity on pastoral land: can we balance livestock productivity and development with conservation? A case study of Earthwatch Institute's Samburu Conservation Research Institute. The International Association for Impact Assessment (IAIA) conference on "Power, Poverty and Sustainability: The Role of Impact Assessment," 20-26 May 2006, Stavanger, Norway.
- **Oguge, N.**, Hutterer, R., Odhiambo, R.. & Verheyen, W. Community patterns in small mammal distribution in moist forests of southeast Kenya. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- **Oguge, N.**, Odhiambo, R.. & Verheyen, W., Agwanda, B. & Leirs, H. Linking patch-based studies to landscape ecology: *Praomys delectorum* demography in the Taita Hills, Kenya. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- Agwanda, B., **Oguge, N.** & Ndege, J. Community structure of small mammals in a Rice Irrigation Scheme in western Kenya. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.

- Vibe-Petersen, S., Leirs, H., **Oguge, N.O.**, Makundi, R. & Schilima, A. Rodent population dynamics in eastern Africa – a comparative study. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- Ojwang, D.O., **Oguge, N.O.** & Leirs, H. Impact of barn owl predation on population densities of multimammate rat (*Mastomys erythroleucus*) in maize fields in Kenya. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- Odhiambo, C.O., **Oguge, N.O.** & Leirs, H. Movements and spatial patterns of *Mastomys erythroleucus* in a maize cropping system in the Kenyan Rift Valley. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- Mutinda, M., **Oguge, N.O.** & Leirs, H. Rodent pest problems and farmer management practices in Rongai Division, Nakuru District, Kenya. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- Odhiambo, R., Verhagen, R., Makundi, R., **Oguge, N.**, Corti, M., Bekele, A., Sichilima, A. & Leirs, H. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- Colangelo, P., Corti, M., Verheyen, E., **Oguge, N.**, & Verheyen, W. A contribution to the systematics and taxonomy of *Mastomys* (Rodentia, Muridae): cytogenetics and molecular phylogenetics. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- Corti, M., Costiglia, R., Colangelo, P., Bekele, A., Makundi, R., **Oguge, N.**, Sichilima, A., Verhagen, R. & Leirs, H. A cytotaxonomic report of the rodent species from the STAPLERAT project (Ethiopia, Kenya, Tanzania, Zambia). 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- Verheyen, E., Dillen, M., Colyn, M., Leirs, H., **Oguge, N.**, Vogel, P., Catzedlis, F., Corti, M. & Verheyen, W. The diversity of the African pigmy mice (*Nannomys*, Muridae) is confirmed by mitochondrial DNA cytochrome b sequences. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- Verheyen, E., Dillen, M., Fadda, C., Colyn, M., Mulungu, L., **Oguge, N.**, Kerbis, J. & Verheyen, W. The phylogeny and identification of African thicket rat species (Muridae, *Grammomys*, *Thammomys*) based on 16s mtDNA sequences. 9th International Symposium on African Small Mammals, July 14-18, 2003, Morogoro, Tanzania.
- Richard Odhiambo, Ron Verhagen, Rhodes Makundi, Herwig Leirs, **Nicholas Oguge**, Marco Corti, Afework Bekele, & Alfred Sichilima. Rodent pests of staple crops in eastern Africa: Densities and community dynamics.
- Odhiambo, C.O. & **Oguge, N. O.** Patterns in rodent pest distribution in a maize cropping system in the Kenyan Rift Valley. 2nd International Conference on Rodent Biology and Management, February 10-14 2003, Canberra, Australia.
- Ojwang D. O., & **Oguge, N.O.** Testing a biological control program for rodent management in maize cropping system in Kenya. 2nd International Conference on Rodent Biology and Management, February 10-14 2003, Canberra, Australia.
- Muoria, P., **Oguge, N.**, Altmann, J. & Gordon, I. An ecological correlate to crop raiding by elephants and yellow baboons in Arabuko-Sokoke Forest, Kenya. Society

- for Conservation Biology, 16th Annual Meeting July 14-19 2002, University of Canterbury, Kent, UK.
- Ogada, M., Frank, L.G., **Oguge, N.O.** & Woodroffe, R. Large carnivore predation on livestock varies with husbandry practices in Laikipia, Kenya. Society for Conservation Biology, 16th Annual Meeting July 14-19 2002.
 - **Oguge, N.O.**, Odhiambo, R. & Agwanda, B. Community patterns in small mammals distribution in moist forests of southeast Kenya. Society for Conservation Biology, 16th Annual Meeting July 14-19 2002, University of Canterbury, Kent, UK.
 - Bytebier, B., Dall'Asta, U., De Meyer, M., Githiru, M., Lens, L., Mbithia, K.W., Mulwa, R., Odhiambo, R., **Oguge, N.** & Van den Speigel, D. 2001 – Taita Hills Biodiversity Project: A multidisciplinary approach by a multicultural team. European Platform for Biodiversity Research Strategy, Brussels, Belgium, December 2-4, 2001.
 - Odhiambo, C., **Oguge, N.**, Leirs, H. Aspects of population ecology of *Mastomys* in a maize cropping system in Nakuru District, Kenya.. 5th Biennial Conference of the African Crop Science Society, Lagos, Nigeria, October 21-26, 2001.
 - Mutinda, A., **Oguge, N.O** & Leirs, H. Rodent pests' problems and farmer management practices in Rongai Division, Nakuru District, Kenya. 5th Biennial Conference of the African Crop Science Society, Lagos, Nigeria, October 21-26, 2001.
 - **Oguge, N.O.**, Mutinda, A. & Odhiambo, C. 2001 - Rodent pests problems and management in Kenya: a case study of the cereal growing area of Kenyan Rift Valley. Third European Vertebrate Pest Management Conference. Kibbutz Ma'al Hachamisha, Israel, September 9-14, 2001.
 - Ogada, M., **Oguge, N.O.** & Frank, L. 2001 – Livestock husbandry practices is a factor to depredation incidences in Laikipia District, Kenya. Third European Vertebrate Pest Management Conference. Kibbutz Ma'al Hachamisha, Israel, September 9-14, 2001.
 - **Oguge, N.O.** 2000 - Aspects of rodent control in Kenya. ACIAR Workshop on Rodent Management in South-East Asia, Vientienne, Laos 15-19 September 2000.
 - **Oguge, N.O** & Vodha, J. 1996 - Population dynamics of *Mastomys natalensis* and *Lemniscomys striatus* in central Kenya. International workshop on Rodent Biology and Integrated Pest Management in Africa, Sokoine University of Agriculture Morogoro, Tanzania 21-25 October 1996
 - **Oguge, N.O.** 1995 - A study of the microhabitat associations of two sympatric rodents in a dry sub-humid grassland community in Kenya. *Fifth International Conference on Rodents and Space, Rabat, Morocco 20 - 24 March 1995*
 - **Oguge, N.O.** 1995. The nexus between science, technology and education in promoting biodiversity: some Kenyan examples. The First Organization of Social Science Research in Eastern and Southern Africa (OSSREA) Conference: Kenyatta University, Kenya (7-8, August 1995)
 - **Oguge, N. O.** & Nyawira, N. M. 1995 - A study of the taxonomy of *Mastomys natalensis* in Kenya. *Small Mammal Symposium:Itala, Republic of South Africa (26 - 30 September 1995)(Abstract)*
 - Kongoro, J., Osir, E., Imbuga, M. & **Oguge, N.** 1994 - Susceptibility of tsetse (*Glossina* spp) to trypanosome and effects of trypsin and trypsin-like molecules on midgut transformation. *Third International Conference on Tropical Entomology, United Nations Environmental Program, Nairobi, Kenya, 30 October - 4 November, 1994.*

- **Oguge, N.O.** 1994 - Parks/reserves carrying capacity and the conservation and management of biodiversity. *The Kenya Wildlife Service Research and Planning Workshop, Kunste Hotel, Nakuru, 4 - 8 December, 1994*
- **Oguge, N.O.** & Barrell, G.K. 1991 - Medroxyprogesterone acetate blocks the ovulatory process in rabbits. *Proceedings of the Endocrine Society of Australia 34: 190 (Abstracts)*
- **Oguge, N.O.** & Barrell, G.K. 1990 - An evaluation of the contraceptive effects of medroxyprogesterone acetate in rabbits. *Fertility Control Conference, Melbourne, Australia, November 1990*
- **Oguge, N.O.** & Barrell, G.K. 1990 - Post mating progesterone patterns as an indicator of recovery of fertility in rabbits treated with an oral contraceptive. *Australasian Wildlife Management Society 3rd Conference and A.G.M., Lincoln University, New Zealand December 1990 (Abstracts)*
- **Oguge, N.O.** & Martin, G.H.G. 1986. Diets of range rodents. p. 214-216. In: *Proceedings of a Conference in Range Development and Research in Kenya, Egerton University College, Njoro, Kenya, April 1986.* Edited by Hansen, R. M., Woie, B. M. and Child, R. D. Morrilton: Winrock International Institute for Agricultural Development

Annex III: Technical reports

- Mireri, C, **Oguge, N.** & Onjala, J. 2008. The Mara River Basin Management Initiative Strategic Environmental Assessment (SEA). WWF-EARPO (in progress).
- **Oguge, N.** & Mireri, C. 2007. An Evaluation of Meru Conservation Area Habitat Restoration Program and Development of a Habitat Restoration/Rehabilitation Model. *International Fund for Animal Welfare, Limited (IFAW) Pp 52.*
- **Oguge, N.**, Onjala, J. & Mireri, C. 2006. An assessment of Status and Trends of Natural Resource use in Ewaso Nyiro Basin, Kenya. *IUCNEARO Pp 94.*
- Esther Mwele, Caleb Mireri & **Nick Oguge.** 2006. Socio-Economic Impact of Wildlife Conservation in Samburu District, Kenya. *Technical Report to Earthwatch Insitute, Boston Pp 30*
- **Oguge, N.** 2005. Saving biodiversity on pastoral land: Earthwatch Institute's Samburu Conservation Research initiative, Kenya. *African Conservation Telegraph. 2 (1): 4*
- **Oguge, N.O.** 2005. Monitoring and evaluation of community based natural resource management programmes: biological databases and range conditions in Koija, Tiamamut and Kijabe group ranches of Laikipia District. *Technical Report to African Wildlife Foundation, Nairobi Pp53*
- **Oguge, N.O.** & Chandler, M. 2005 – Samburu Conservation Research Initiative 2004 Annual Report Pp 50
- **Oguge, N.O.** & Chandler, M. 2004 - The Samburu Conservation Research Initiative Proceedings from Strategy Planning Meeting of August 1, 2003
- **Oguge, N.O.** & Chandler, M. 2003 - The Samburu Conservation Research Initiative Proceedings from Preliminary Strategy Planning Meetings, Nanyuki and Nairobi, April 14, 2003 and April 16, 2003 Pp45

- **Oguge, N.O.** 2002 – A community based program in rodent control in Rongai Division, Nakuru District. Rockefeller Foundations. Pp 39.
- Suleman, A.M., Wahungu, G.M., Muoria, P.K., Karere, G.M., **Oguge, N.O.**, Moinde, N.N. 2001 - Tana River Primate Census and Habitat evaluation. Report to Kenya Wildlife Service
- Newsome, A., Cook, B. & **Oguge, N.** 1999 – Vertebrate Pest Management Course, Machakos, Kenya. KARI/DFID. Pp40.
- Martin, G.H.G., **Oguge, N.O.** & Gatimu, J.M. 1989 - Technical Report for the Development of Rodent Control Program in the Crop Protection Branch, Ministry of Agriculture, Kenya. *FAO/UNDP Project Ken/85/009*

Annex IV: Capacity Building Experiences

1. Climate change adaptation capacity building programme for WWF-EARPO Field Staff
2. Development of course programmes on participatory natural resource management
3. Running of regional courses on ecology for sustainable development for conservation managers in Samburu and Laikipia
4. Trained 4 PhD and 11 MSc students in ecology, environment and wildlife management
5. Trained 9 undergraduate students in research
6. Local training programs
<input type="checkbox"/> 40 community fellows on Earthwatch Institute projects
<input type="checkbox"/> 10 youths trained as research assistants to work with student interns in Earthwatch Institute projects
<input type="checkbox"/> 10 conservation managers trained on database development and basics in GIS technology
<input type="checkbox"/> 12 para-ecologists trained on ecological monitoring
<input type="checkbox"/> 10 conservancy managers trained on governance and natural resource management

Postgraduate Research Supervision:

- Gitonga, J. W. **2007**. Effect of habitat fragmentation on food habits and aspects of reproduction among *Praomys delectorum* sub-populations in the Taita and Kyulu Hills, southern Kenya (MSc. research, Kenyatta University, Kenya)
- Machan, S.N. **2007**. An evaluation of grazing systems and implications of the emerging community wildlife conservancies in Samburu District, Kenya (MEPM research, Kenyatta University)
- Odede, W. **2004**. Effects of land-cover dynamics on foraging and population ecology of Amboseli yellow baboons (*Papio cynocephalus* Linnaeus, 1766). (MSc. research, Kenyatta University, Kenya)
- Ouma Collins. **2004**. Conservation biology of hartebeest in Kenya (MSc. research, Kenyatta University, Kenya)

- Nzenge, S.K. **2003**. Conservation status and management of Pancake Tortoise *Malacochersus tornieri*, (Siebenrock, 1903) in Kenya (MSc International University of Andalucia, Antonio Machado Headquarters, Baeza, Spain).
- Odhiambo, C. **2003**. Population ecology of murid pests in Rongai. (MSc research, Kenyatta University, Kenya).
- Andanje, S. **2002**. Factors affecting population abundance and distribution of hirola in Tana River Primate Reserve and Tsavo East National Park, Kenya (Ph.D. research, University College London/University of Newcastle, UK).
- Muoria, P.K. **2001**. Elephant and baboon crop raiding problem around Arabuko-Sokoke Forest (**Ph.D.** research, Kenyatta University, Kenya).
- Webala, P. **2001**. Macro- and micro-chiroptera diversity and distribution in the Meru National Park, Kenya (**Msc.** Research, Addis Ababa University, Ethiopia)
- Ogada, M. **2001**. Boma type and depredation of livestock by large carnivores in Laikipia District, Kenya (**MSc** research, Kenyatta University, Kenya).
- Odhiambo, R.O. **2000**. An ecological study of small rodents in the fragmented forest habitats of Taita Hills, Kenya (**MSc** thesis, Kenyatta University, Kenya)
- Kongoro, J. **1998**. Susceptibility of tsetse (*Glossina* spp) to trypanosome and effects of trypsin and trypsin-like molecules on midgut transformation (**Ph.D.** thesis, Kenyatta University, Kenya).
- Akinyi, S. **1998**. Reproductive Behaviour of *Glossina fuscipes fuscipes* Newstead (*Diptera: Glossinidae*) (**Ph.D.** thesis, Kenyatta University, Kenya).
- Muya, S. **1995**. Factors influencing browse utilization by black rhino (*Diceros bicornis* L) in Nairobi National Park (**M.Phil**, Moi University, Kenya).

Ongoing

PhD supervision

- Ojwang', D. Effects of avian predation pressure on rodent population dynamics under maize agrosystems (Ph.D research, Kenyatta University, Kenya).

MSc supervision

- Mutinda, A. Levels of crop depredation and farmer knowledge in integrated rodent pest management in Rongai(MSc research, Kenyatta University, Kenya)
- Gaturu, N. A comparative study of olive baboon (*Papio anubis*) populations in human-altered environments of south-coast, Kenya. (MSc. research, Kenyatta University, Kenya).
- Bernard Agwanda. Community structure and ectoparasites of small mammals in Kakamega Forest

Undergraduate Research Supervision:

- Ouma, C. 1998. Analysis of regenerative system in *Mastomys* of Kahawa, Kenya (B.Sc. dissertation, Kenyatta University)
- Kiura, M.K. 1996. Community Structure and function of birds in three associated wetlands (B.Sc. dissertation, Kenyatta University)
- Ndung'u, D.M. 1996. Effects of neem derivatives on gain consumption by rodent pests (B.Sc. dissertation, Kenyatta University)

- Rarieya, M. 1996. Diversity of parasites in small mammal communities of Kahawa, Kenya: Effects of Habitat types and body size (B.Sc. dissertation, Kenyatta University)
- Wambua, D. 1996. Habitat Utilization and time-budget of the fiscal strikes (*Larnius callaris*) at Kahawa (B.Sc. dissertation, Kenyatta University)
- Odhiambo, R. 1995. A comparative study of the Odonata of two wetland types around Kahawa: are the Odonates a good indicator of wetland status? (B.Sc. dissertation, Kenyatta University)
- Odongo, P. 1995. A study of the community structure and function of waterfowl in the Nicoll Dam, Kahawa (B.Sc. dissertation, Kenyatta University)
- Nyawira, N. 1995. A study of the taxonomy of *Mastomys natalensis* in Nairobi (B.Sc. dissertation, Kenyatta University)
- Nyacheo, T. 1992. A survey of the ectoparasites of small mammals in a dry sub-humid grassland in central Kenya (B.Sc. dissertation, Kenyatta University)
- Simiyu, E. 1992. A survey of the endoparasites of small mammals in a dry sub-humid grassland in central Kenya (B.Sc. dissertation, Kenyatta University)

Annex V: Conservation, monitoring and advocacy workshops/meetings

1. **Students Affairs Committee, Society for Conservation Biology**
(<http://www.conservationbiology.org/Activities/Committees/StudentAffairs/>)
2. IUCN Global Mammal Assessment Africa Workshop, Institute of Zoology, London, 26-30 January 2004.
3. **Oguge, N.O.** Wildlife conservation in Kenya: Is science losing to culture? International Conservation: New roles, New Partnership. Terry Sanford Institute of Public Policy, Duke University, March 22 2002
4. Mammalogy research in Kenya. *Nature Kenya* Annual General Meeting May 2001.
5. Elephant Fertility Control Workshop, Mwaluganje Elephant Sanctuary. February, 2000.
6. Population Genetics Group meeting, Edinburgh, Scotland. December 18 - 23, 1996.
7. *Imunocontraception Workshop*. National Institute of Standards and Technology, Gaithersburg, Maryland, U.S.A. August 23 - 27, 1994.
8. *A stewardship challenge for the 90's deer, gardens and the natural landscape*". 1994 Northeast Regional Meeting of the American Association of Botanical Gardens and Arboreta. Frelinghuysen Arboretum, Morristown, New Jersey. August 18 & 19, 1994.
9. The Darwin Courses In Tropical Biology. Makerere University Biological Field station, Kanyawara, Kibale Forest. August 9 - 16, 1994. Paper presented: *Population dynamics of large mammals in East Africa*.
10. Use of Research Findings in the Conservation and Management of Biodiversity: A Case Study of Lake Nakuru National Park (Kenya Wildlife Service, 1994)
11. An Evaluation of the Ecological Monitoring Program in the Maasai Mara National Reserve (Friends Of Conservation, 1994)
12. *Research and Monitoring for Lake Nakuru National Park and Catchment: A Planning workshop*. Kunste Hotel, Nakuru. 29 - 30 May 1993

Annex VI: Seminar presentation to academic communities

1. Staplerat: Protecting staple crops from rodent damage in eastern Africa. Ecology Seminars Series Programme, Duke University (March 2002).
2. Linking patch-based studies to landscape ecology of mammals: *Praomys taitae* demography in the Taita Hills. Institute of Ecosystem Studies, Millbrook New York (February 2002) and Duke University, North Carolina (April 2002).
3. Ecological separation among Kenya's megafauna. A talk given at the Iowa State University College of Veterinary Medicine and Wildlife Diseases Study Abroad Program. May 2001.
4. Kenyan wildlife: diversity and distribution. A talk given at the Iowa State University College of Veterinary Medicine and Wildlife Diseases Study Abroad Program. May 2001.
5. Phylogeography of *Cryptomys hottentotus* in southern Africa. University of Antwerp, July 1997.
6. African mole-rats (Family Barthyergidae): a target taxon for study of evolution of sociality in mammals. University of Copenhagen, June 1997.
7. Fertility control in wildlife. Duduville ICIPE, 1992.

Annex VII: Theses examination

1. Effects of cropping systems and land management practices on rodent population characteristics (Apia Wilbald Massawe, Sokoine University of Agriculture 2003)
2. The population status and ecology of Taita White-eye, *Zosterops (poliogaster) silvanus* (Peters and Loveridge 1935) in the fragmented forests of Taita Hills, Kenya (Mulwa, R., Kenyatta University 2001)
3. The influence of soil fertility management practices on diversity and abundance of soil fauna populations in the central highlands of Kenya (Sande, S. Kenyatta University 2001)
4. Some aspects of the limnology of Kisumu Bay, Lake Victoria, Kenya (Mphil. Thesis, Were Pamela J. A., Moi University, 2000).
5. Semen analysis and induction of acrosome reaction in spermatozoa of gray mangabey (*Cercocebus gelaritus*) and de brazza's monkeys (*Cercopithecus neglects*). (Msc thesis Kyaligonza, Kasigwa Julius, University of Nairobi, 1998).
6. The impact of land use changes on large herbivores and depredation around the Maasai Mara National Reserve (M.Phil thesis Kimanzi, Johnstone Kithika, Moi university, 1998).
7. Food habits of black rhinoceros (*Diceros bicornis* L.) and elephants (*Loxodonta africana* Blum) in Ngulia Rhino Sanctuary (M.Phil. thesis Karanja G. G, Moi university, 1996).
8. Ecological Studies of the helminth parasites of fish of lake Naivasha, Kenya (Ph.D. thesis by Aloo-Obudho, P., Kenyatta University, 1995).
9. The role of water resources on home range of introduced white rhinoceros (*ceratotherium simum simum* Klos) in Lake Nakuru National Park. (M. Phil. thesis by Mukewa, E.N., Moi University, 1995).
10. Depredation problems in areas surrounding the Nairobi National Park, Kenya (M.Phil. thesis by Ngene, K., Moi University, 1995).

11. Use of chelators in experimental chemotherapy of visceral leishmaniasis (Ph.D. thesis by Mbatia, P. A., Kenyatta University, 1994).
12. Resource partitioning among black-rhino (*Diceros bicornis* L.), reticulated giraffe (*Giraffa cameropardalis reticulata* L.), and gerenuk (*Litocranius walleri* Brook), in Ol Jogi Game Reserve, Kenya (M.Phil. thesis by Kuria, J. K., Moi University, 1994).
13. The ecological role of elephants in restructuring plant and animal communities in different eco-climatic zones in Kenya and their impacts on land-use patterns (Ph.D. thesis by Waithaka, J. M. Kenyatta University, 1994).
14. Population structure, food habits and distribution of the sable antelope (*Hippotragus niger roosevelti*) in Shimba Hills National Reserve, Kenya (M.Phil. thesis by Andanje, S. A. Moi University, 1994).