

Curriculum Vitae of **Bakari Samuel Ng'ang'a**

PERSONAL DETAILS

Name: Bakari Samuel Ng'ang'a
Date of Birth: 30th Sep 1981
ID No: 22472506
Nationality: Kenyan
Marital Status: Married
Postal Address: 254- 20319
Town: South Kinangop.
Cell: + 254 (0) 721 470 215
Email: bakarisamuel@gmail.com

SELF ASSESSMENT

Personal attributes: hardworking, self-motivated, good interpersonal and leadership skills, organized and investigative.

EDUCATION

- 2013- 2015: MSc, University of Groningen- Ecology and Evolution (TOP Programme Evolutionary Biology)
2009- 2013: BSc, University of Nairobi. Major: Environment Conservation and Natural Resource Management.
1997-2000: Heni High School. Kenya Certificate of secondary education.
1989-1996: Heni Primary School. Kenya Certificate of Primary education

Short Courses, Conferences and Workshops:

- 2015: International Congress for Conservation Biology, Montpellier, France
2013: International Conference on Individual Deference Conference, Groningen, the Netherlands.
2012: Pan Africa Ornithological Conference, Arusha Tanzania
2012: Internship (2 weeks). Gutersloh Biological Station, (Germany)
2009: Advocacy workshop, Dansk Ornithologisk Forening, Denmark.
2008: Workshop. Precautionary principles on Avian Influenza Surveillance. Machakos Farmers Centre, Kenya.
2007: Training in bird ringing and mist-netting- Mwamba Field Study Centre, Watamu, Kenya
2001: International Computer Driving Licence (ICDL), Part One. Institute of Advanced Technology, Nairobi, Kenya.

PROFESSIONAL EXPERIENCE CONSERVATION AND RESEARCH

2013- To Date: Managing Director, Njabini Wool Crafters Cooperative Society
2013- To Date: Research Coordinator, Friends of Kinangop Plateau
2016- To Date: Part-time lecturer, School of Natural Resources, Karatina University
2016- To Date: Part-time lecturer, Institute of Arid Lands Management, Laikipia University
2007- 2013: Research Fellow, National Museums of Kenya.
2004-2007: Field research assistant, National Museums of Kenya

Research Projects

2014- To Date: Lead Expert. Project 'Nestling growth and development'
Principal investigators. Prof.dr. B.I. Tieleman (University of Groningen, the Netherlands), Dr. M. Muchane (National Museums of Kenya), H.K. Ndithia (National Museums of Kenya/University of Groningen).

2012-2013 Lead Ornithological expert. Project 'Longonot Power Generation', Environment Impact Assessment.
Lead Expert Dr. J. Guthega and Dr. R. Chirac (University of Nairobi).

2011-To Date: Local expert. Project "Kinangop Wind Pack", Environmental Impact Assessment.
Principal investigators. Dr Muchai Muchane and Dr. P. Jorge (National Museums of Kenya)

2009-To date: Volunteer/BSc-student. Project 'Seasonal dynamics of reproductive strategies in two tropical grassland birds'.
Principal investigators. Prof.dr. B.I. Tieleman (University of Groningen, the Netherlands), Dr. M. Muchane (National Museums of Kenya), H.K. Ndithia (National Museums of Kenya/University of Groningen).

2004-To Date: Volunteer. Project. 'Annual Water Bird Census in Kenya'- National Museums of Kenya.

2004-To Date: Project Leader. Project. 'Population and habitat monitoring of Sharpe's Long-claw, Kinangop Plateau.'
Principal investigator. Dr. Muchai Muchane (National Museums of Kenya)

2012: Birds expert. Project.'Wind-power generation Project-Viking Farm Mombasa'.
Lead Expert. Geofly Wangi (GIBBs International).

2011: Research assistant. Project. 'Biodiversity assessment of Kakamega, Nandi, and Chellangani Forests'-Nature Kenya. Principle investigators. Dr Peter Jorge and Dr. Winnie Musila (National Museums of Kenya)

2006– 2011: Research assistant. Project. 'Effects of Anthropogenic Disturbance in Northern Kenya Forest; Mathews Range'. Principal investigator. Luca Borghesio (University of Illinois USA)

2010: Research assistant. Project. 'Biodiversity assessment of Mt. Kenya'-GEF. Principal investigators. Dr. Peter Jorge and Dr. Winnie Musila (National Museums of Kenya)

2009: Birds expert. Project. 'Aberdare Baseline Survey'-Green Belt Movement. Principal investigators. Dr John Guthega and Dr. Robert Chirac (University of Nairobi-Kenya).

2007-2009: Research assistant. Project. 'Avian Influenza surveillance in Kenya' L. Naivasha, L. Turkana, L. Nakuru, L. Bogoria, L. Magadi and along the Kenyan Coast.

- Principal Investigators. Dr Muchai Muchane, Dr. Peter and Jorge (National Museums of Kenya) and L. Samson (Kenya Medical Research Institute).
- 2008: Research assistant. Project. 'Density and Distribution of Sharpe's Longclaw in Kenya'.
- 2008: Principal investigator. Luca Borghesio (University of Illinois-USA). Research assistant. Project. 'Biodiversity survey of Ilha Suafo Island of Northern Mozambique'.
- 2004-2006: Principal investigator. Luca Borghesio (University of Illinois-USA). Field assistant. Project. 'Land use and economic of farming on the Kinangop Plateau: Implications for Conservation of Grassland Birds'.
- Principal investigators. Dr Muchai Muchane (National Museums of Kenya) and Paul K. Ndang'ang'a (Birdlife International).

Conservation Projects:

- 2004-To Date: Founder and Director of Njabini Wool Spinning Workshop.
(The objective of the workshop is to preserve the natural grasslands of the Kinangop Plateau by providing a wool market for sheep farmers, while also generating an income for (currently) 13 spinners and weavers).
- 2006-To Date: Lead organozer; 'Rehabilitation of the Indigenous Kiburu Forest-Aberdare Mountains'- Nyandarua Youth empowerment Network (NYEN).
(The objective of NYEN is to help improve participation of youth on the development issues in the community).
- 2004-2007: Vice-chairman Project Implementation Committee. Project 'Biodiversity Conservation and Livelihood Improvement of the Kikuyu Escarpment and Kinangop Plateau'-Nature Kenya and EU-CDTF
- 2002-2007: Organizing World Environment Day and World Wetlands day cerebrations at Kinangop.

Birding club

- 2009-2013: Founder and Member. Chiromo Birds Club-University of Nairobi.

SCHOLARSHIPS AND FELLOWSHIPS

Scholarships

- 2014-2015 Eric Bleumink Fund, Msc. Year 2; University of Groningen- £ 26,609.84
- 2013-2014: Sponsor funding. Msc. Year 1; University of Groningen-KES 1,200,000
- 2009-2013: Sponsor funding. BSc. University of Nairobi. Major-Environment Conservation and Natural Resources Management. KES 999, 717.

Fellowships

- 2007-2009: Muindi Onlus- National Museums of Kenya Fellowship- KES 300, 000.
- 2010-2013: David Fox- National Museums of Kenya Fellowship- KES 340,000.

Project and equipment grants

- 2010-2011: US-Ambassador Self Help Fund. Project 'Up scaling of the Njabini Wool Spinning Workshop'. KES 360,000.
- 2012:NABU: Project. 'Survey of Sharpe's Longclaw in Kinangop IBA'. KES 206,000.
- 2012: NABU: Project equipment-Telescope, pairs of binocular.
- 2012: RSPB: Project equipment: 3 pairs of Binocular and two bird guide books.

- 2013: Mohamed bin Zayed Species Conservation Fund 'Inventory of the Sharpe's Longclaw population and its Habitat in Kinangop' \$6,000
- 2013: Idea Wild. Project equipment-Laptop, camera and Ringing gear.
- 2015: David Fox and Family: Njabini Wool Spinning Workshop; KES 10,000,000
- 2015: Mohamed bin Zayed Species Conservation Fund; \$8,000

PRESENTATIONS

- 2015: Bakari N. 'The role of bacteriophage in evolution of soil bacteria' Microbiology Lab Group, University of Groningen
- 2015: Bakari N. 'Efficiency and reliability of genetic-analysis-software in estimating relatedness and relationship' Groningen Institute of Evolutionary Life Sciences, University of Groningen
- 2014: Bakari N. 'Effects of initial gut-microbiome on growth and development of immunity in tropical lark nestlings' Groningen Institute of Evolutionary Life Sciences, University of Groningen
- 2012: Bakari N. 'Growth and Chick development along an environment Gradient: The case of Red-capped Lark *Calandrella cinerea*.' Poster Presentation. 13th Pan African Ornithological Conference, Arusha, Tanzania.
- 2012: Bakari N. 'Community Conservation: Kinangop Highland Grasslands.' Oral Presentation. World Environment Day Celebrations, Werther City, Germany.
- 2009: Bakari N. 'Lessons Learnt in Copenhagen Advocacy workshop.' Nature Kenya Site Support Group-National Workshop, Kenya.

Publications, Reports and Articles

- 2017: Henry K.Ndithia, Samuel N. Bakari, Kevin D. Matson, Muchane Muchai, B. Irene Tieleman; - 'Geographical and temporal variation in environmental conditions affects nestling growth but not immune function in a year-round breeding equatorial lark', *Frontiers in Zoology*
- 2015: Bakari N., Weithem B. - 'Application of population genetics in conservation of rare species with fragmented habitat'. University of Groningen
- 2015: Bakari N., Palsboll P. J. - 'Efficiency and reliability of genetic analysis software in estimating relatedness'. University of Groningen.
- 2014: Bakari N., van Veelen P., Tieleman B. I. - Growing in a microbial world; testing effects of gut-microbiota on growth and immune function in developing lark nestlings. University of Groningen.
- 2013: Bakari N., Ndithia H., Tieleman B. I. Gichuki N. - 'Growth of Red-capped Lark under different ecological conditions'. University of Nairobi.

- 2009: Bakari N. Stapila J. Borghesio L. - 'Turacos and Sunbirds: Where to Watch Birds in Northern Kenya'. Kenya Birding-Nature Kenya.
- 2008: Borghesio L. Amakombe B. Bakari N. Balidy H. Biasiol D. Manuel. M. - 'A Bird Survey of the Ruvuma Delta, Northern Mozambique'. African Birding Club-Bulletin.
- 2008: Bakari N. Muchane M. Borghesio L. - 'Threatened Birds of Kenya: Sharpe's Longclaw'. Kenya Birding-Nature Kenya.

SKILLS:

Computer literate, Bird population monitoring, Bird Breeding Ecology, Biodiversity assessment, Ecosystem services and Forest Management and Community Conservation

INTEREST:

Travelling, meeting new friends, working with the community, bird watching.

REFEREES

Dr. Kariuki Ndang'ang'a
BirdLife International
Nairobi Kenya
Cell; +254 722 473 451
Email; kariuki.ndanganga@birdlife.org

Dr. Peter Njoroge
Head of Section-Ornithology Section National Museums of Kenya,
P.O. BOX 40658-00100
Nairobi Kenya
Tel + 254 20 3742161
Cell; +254 724 521 770
Email; pnjoroge@museums.or.ke

Mr. Werner Schreoder
NABU, Africa Working Group,
Germany,
Cell ; +49 173 954 7153
Email ; werner.schroeder.calidris@t-online.de