

Elihuruma Wilson Kimaro

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Professional Statement

I am a dedicated, hardworking, and highly skilled ecologist and conservationist. I have extensive experience in, and enthusiasm for, applied and knowledge-based ecological and conservation research, as well as translating research findings into best management practices. Competent in remote-sensing analysis, forest carbon estimation, policy impact assessment, and biodiversity monitoring, evaluation, and management. The key duties of my current job include supervising ecological research, implementing conservation programs, and translating research findings into actionable conservation strategies.

Professional Interest

Global change ecology, Forestry, Conservation, Restoration, and Quantitative Data Methods

Summary of Qualifications

- Field research
- Data analyst
- Participatory mapping and appraisal
- Policy impact analyst
- Biodiversity monitoring and evaluation
- Wildlife management
- Restoration ecology
- University level teaching
- Sustainability/environmental educator
- Organizational and management skills

Education

Ph.D. Candidate: Ecology, Evolution and Behavior - (expecting to defend in Summer 2023)
University of Minnesota – Twin Cities, Saint Paul, MN

MSc: Life science and engineering: specializing in biodiversity and ecosystem
Management: Nelson Mandela African Institution of Science and Technology, Tanzania.

MSc: Education for Sustainability
London South Bank University, London

BSc: Wildlife Management
Sokoine University of Agriculture, Tanzania

Professional Experience Summary

Senior Conservation Officer / Tanzania National Parks 10/2007 - Current
Worked at Serengeti National Park (4 years) and Gombe National Park (10 years)

- Involved in planning, supervising, and performing ecological research inside and outside the park.
- Adapt management tactics for wild animals and forests in light of research findings.
- Actively involved in monitoring, evaluating, and regularly reviewing management plans for the parks

- Organizing and carrying out outreach initiatives for the nearby communities, such as initiatives for social good, conservation education, forest restoration, and environmentally friendly income-generating activities.
- Coordinating and implementing ecosystem level wildlife protection.

Teaching Assistant / University of Minnesota

Spring 2023; Fall 2022; Spring 2022; Fall 2021; Fall 2020; Fall 2019; and Spring 2019. Teaching Foundation Biology and Research Laboratory, University of Minnesota. *Focus on global change ecology and environmental toxicology* – under supervision of [Dr. Maxwell Kramer](#)

Professional experience (short-term work)

Data analyst consultant / Jane Goodall Institute – funded by USAID Spring 2023
Western Tanzania chimpanzee population estimation

Research assistant / University of Minnesota Summer 2022
Literature review on tropical dry forest – under [Dr. Jennifer Powers](#) supervision. Dept. Ecology, Evolution, and Behavior

Policy impact evaluation consultant / Jane Goodall Institute – funded by USAID 3/3/2021 - 3/3/2023
Influence of community-managed forests in promoting forest gain, carbon sequestration, and community well-being in the Greater Gombe Ecosystem, Tanzania

Data analyst consultant / Jane Goodall Institute – funded by USAID Spring 2021
Western Tanzania chimpanzee population estimation

Research Assistant / Sokoine University of Agriculture Summer 2007
Flora and fauna inventory in Nyautwa Wetland, Kilolo District, Iringa, Tanzania – Under Dr. Nsajigwa Mbije supervision. Dept. Wildlife Management

Honors and Awards

Summer - Research assistant fellowship (2022), University of Minnesota **\$6,000**

Research Travel Grant Award (2022), University of Minnesota, **\$900**

EEB summer fellowship (2020), University of Minnesota, **\$6,000**

2nd Baldwin Fellowship – Leakey Foundation (2019), **\$15,000**

EEB summer fellowship (2019), University of Minnesota, **\$6,000**

Research Travel Grant Award (2019), University of Minnesota, **\$900**

EEB summer fellowship (2018), University of Minnesota, **\$6,000**

Research Travel Grant Award (2018), University of Minnesota, **\$900**

1st Baldwin Fellowship – Leakey Foundation (2018), **\$ 15,000**

EEB Excellence Fellowship Award (2017), University of Minnesota, **\$ 30,000**

Outstanding Participant Award on Climate Change and Sustainability Training, (2014), The Energy and Resources Institute, India, **Certificate**

Commonwealth Fellowship Award (2009-2012), London South Bank University, **\$ 30,000**

Grants

- Jane Goodall Institute under (USAID) Grant (\$49,000)** 2021
Policy impact evaluation consultancy work: Evaluating the impact of community managed forests on forest gain, carbon sequestration, and community wellbeing in the Greater Gombe Ecosystem, Tanzania
- Bell Museum Natural History Grant (\$2,500)** 2020
Assessment of patterns and correlates of forest structure, composition and functional trait of regenerating forest in the Greater Gombe Ecosystem, Tanzania
- Booster Grant – Rufford Small Grant (£ 9,970)** 2019
Assessment of natural forest regeneration distribution and diversity in the Greater Gombe Ecosystem, Tanzania, and its influence on primate species
- 2nd Rufford Small Grant (£ 4,930)** 2015
Conservation education and corridor restoration practices in the villages surrounding Gombe National Park, Tanzania
- 1st Rufford Small Grant (£ 4,930)** 2014
Efficacy study on medicinal plants used by humans and chimpanzees in the Greater Gombe Ecosystem, Tanzania

Detail for the Rufford Projects can be found in this link: [The Rufford projects](#)

Additional Training

Paramilitary training at TANAPA Mlele Training Ground, Katavi National Park (1-month intensive course), Katavi, Tanzania 2015

Climate change and sustainability course (1 month), The Energy and Resources Institute, India 2014

Tropical Biology Field Course (1 month), Kibale National Park, Uganda 2014

Computer Program Distance sampling for estimation of abundance of flora and fauna training (2 weeks), Natural Resources Institute, Arusha Tanzania, 2014

R-programming (1 week), Tanzania Resource Forum, Arusha, Tanzania, 2014

Paramilitary training on junior policing management and skills, Tanzania Police Staff College – Kidatu, Morogoro; 19 February to 19 June 2012

Entrepreneurship course (1 week), Sokoine University of Agriculture, Tanzania 2007

Teaching Training

Biological teaching and learning training, University of Minnesota. Two days for each season. Spring 2023, Fall-22, Spring-2022, Fall-2021, Fall-2020, Spring-2020, Fall-2019, and Spring-2019.

Editorial Board

Editor, Saudi Journal of Biological Sciences (2021 – present)

Organized Workshop

Village land use plan workshop, 09 to 10 April 2015. To develop strategies for promoting village land use plans operationalization for villages around the Greater Gombe Ecosystem, Kigoma, Tanzania

Invited Workshop and Webinar Participation

Best Practices for Monitoring the Efficacy and Effects of Restoration Activities, April 21, 2023, hosted by the Ecosystem Restoration Thematic Group of the International Union for the Conservation of Nature's Commission on Ecosystem Management (IUCN CEM).

Fostering Action on the Ground: UN World Restoration Flagships, March 17, 2023, hosted by the Ecosystem Restoration Thematic Group of the International Union for the Conservation of Nature's Commission on Ecosystem Management (IUCN CEM).

Science Communication Panel: a sketch is worth a thousand words, March 16, 2023. Association for tropical biology and conservation

Mosaics Landscapes Working Group, May 4-8, 2020. With funding from the Interdisciplinary Center for Global Change, University of Minnesota.

General management plan evaluation preparation for Mahale National Park, April to May 2017. Funded by the Tanzania National Parks

General management plan evaluation and preparation for Gombe National Park, February to March 2015. Funded by the Tanzania National Parks

Computer program R for statistical analysis December 9th - 13th 2013, Arusha, Tanzania. Funded by the Tanzania Natural Resources Institute

Climate Change Mitigation and Adaptation training (1 week) June 2011, Kigoma, Tanzania. Funded by the Jane Goodall Institute, Tanzania

Lake Tanganyika Basin Water Resources Management workshop (2 days) July 2011, Kigoma, Tanzania. Funded by The Lake Tanganyika Authority (LTA).

Publications

Wilson, M. L., Lonsdorf, E. V., Mjungu, D. C., Kamenya, S., **Kimaro, E. W.**, Collins, D. A., Gillespie, T. R., Travis, D. A., Lipende, I., Mwacha, D., Ndimuligo, S. A., Pintea, L., Raphael, J., Mtiti, E. R., Hahn, B. H., Pusey, A. E., Goodall, J. Research and conservation in the Greater Gombe Ecosystem: Challenges and opportunities. *Biological Conservation*

Wilson, E., Chacha, M., Omolo, J.J., Kidukuli, A. (2014) Larvicidal Activity of Leaf and Stem extracts of *Sterculia quinqueloba* (Garcke) K. Schum against the *Anopheles gambiae* Giles S.S, *Culex quinquefasciatus* Say and *Aedes Aegypti* Mosquito. *American Journal of Research Communication*. 2(8) www.usa-journals.com, ISSN: 2325 – 4076

Wilson, E., Chacha, M., Omolo, J. (2014). Antimicrobial and cytotoxic activities of extracts from *Sterculia quinqueloba* (Garcke) K. Schum and *Canthium crassum* Hiern. *Journal of Pharmacognosy and Pytochemistry*. 3(3): p. 125 - 129

Wilson, E., Chacha, M., Omolo, J. (2014). *In vitro* Antimycobacterial activity of *Sterculia quinqueloba* (Garcke) K. Schum and *Canthium crassum* Hiern. *European Journal of Medicinal Plants*. 6(2): 103 – 109.

(Note: I used Wilson as my Sir name, before joining the University of Minnesota)

Manuscript under preparation

(Kimaro et al., in prep) Community managed forests promote forest cover increase in the human modified landscape of the Greater Gombe Ecosystem, Tanzania
(Manuscript draft stage)

(Kimaro et al., in prep) The relative influence of topographic and anthropogenic factors in forest cover change in the community-managed forests, in the human modified landscape of the Greater Gombe Ecosystem, Tanzania. **(Manuscript draft stage)**

(Kimaro et al., in prep) Community managed forests promote carbon sequestration, biodiversity, and quality habitat for primates in the human modified landscape of the Greater Gombe Ecosystem, Tanzania. **(Manuscript draft stage)**

(Kimaro et al., in prep) Distribution of medicinal plants and the persistence of tree species perceived as important by the villagers in the Greater Gombe Ecosystem: Implication for Humans and Chimpanzees. **(Analysis stage)**

Invited Talks and Seminars

- 2018 ***What determines the number of species?*** A poster presentation, University of Minnesota, Ph.D. Foundation, in Ecology, Evolution and Behavior
- 2017 ***Park protection and outreach activities, opportunity and challenges***, a talk during stakeholders meeting of Mahale National Park, during the preparation of Mahale National Park general plan.
- 2014 Territorial behavior of Yellow-rumped (*Pogoniulus bilineatus*) and Yellow-throated (*Pogoniulus subsulphureus*). A participant speaker in the tropical biology field course, Kibale National Park, Uganda
- 2014 ***Possible Solutions: Climate Adaptation mechanisms and Mitigation Strategies***. A talk at The Energy and Resources Institute, India, in the climate change and sustainability course.
- 2012 ***A way forward: Assessing the potential for incorporating education for sustainability into the Tanzania National Parks' Outreach Program***. A master's thesis proposal talks at Kenyatta University. MSc. Education for Sustainability.