

**NAME**

Gine Roll Skjærvø

**NATIONALITY**

Norwegian

**DATE OF BIRTH**

14.03.1963

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**Education**

2015	<b>Dr. Philos in human behavioural ecology</b> , The Norwegian University of Science and Technology, Trondheim (NTNU), Norway.
2007	<b>MSc in human behavioural ecology</b> , NTNU, Norway.
1987	<b>Bioengineer</b> , Three-year programme in medical laboratory technology in Møre og Romsdal og Trøndelag, Norway.
1983	<b>Chemical laboratory technician</b> , Brundalen High School, Norway.

**Positions**

2020 to present	<b>Chief Engineer</b> , NTNU, Department of Biology.
2015 to 2020	<b>Scientific researcher and lecturer</b> , NTNU, Department of Biology.
2000 to 2015	<b>Chief Engineer</b> , NTNU, Department of Biology.
1990 to 2000	<b>Laboratory manager</b> , ALLFORSK, Department of Ecotoxicology.
1989 to 1990	<b>Engineer</b> , NTNU, Department of Zoology.
1988	<b>Bioengineer II (head of lab)</b> , Trondheim Psychiatric Hospital.
1987 to 1988	<b>Bioengineer III</b> , St. Olav's Hospital, Trondheim.
1987	<b>Bioengineer III</b> , Nordland Central Hospital, Bodø.

**Skills**

- Long experience within research across several disciplines (ecotoxicology, conservation biology, evolutionary biology and behavioral ecology).
- Teaching, course design and developing innovative methods of teaching in higher education (human behaviour and natural resource management).
- Has worked on several academic and research capacity building projects in Tanzania and Kenya for 10 years.
- Project management and coordination. Assistant coordinator of a 4-year EU-horizon 2020 project AfricanBioServices (Grant no 64181910), a consortium of approximately 120 participants from 13 institutions in 7 countries. See homepage for more information about the project: AfricanBioServices.eu.
- Long experience in laboratory management (planning, organizing, leading and controlling) within ecotoxicology/medical health laboratories.
- Planning and executing fieldwork & ethical clearance for involvement of human subjects (questionnaire surveys).
- Risk assessment.
- HES (Health, Environment and Safety).

**Key projects**

2015 to 2020	AfricanBioservices.
2011 to 2015	The dynamics of large infrastructure development in conservation of the Serengeti ecosystem, NTNU.
2010 to Present	Member of Tanzania-NTNU Conservation Research Group (see <a href="https://www.ntnu.edu/biology/research/ecology/roskraft-lab">https://www.ntnu.edu/biology/research/ecology/roskraft-lab</a> )
2007 to Present	Evolution and Human Behavior at NTNU.
2007 to Present	Cuckoo and redstart interactions in Røros, Norway, NTNU.
1987 to 1994	BECTOS (Biological Effects of Oil Spills at Sea). Research programme, financed by Fina Exploration, Norway, ALLFORSK.

**Research interests**Human behavioral ecology

Main interests is to investigate the evolutionary causes and consequences of human life-history traits, and to explore how environmental factors can modify such behavior.

## Conservation biology

Current project focus on understanding how the ongoing climate change, human population growth and landuse change affect biodiversity and human well-being, and use this information to derive novel solutions for a future sustainable development. I am particularly interested in the drivers and effects of human–wild life conflict and come up with solutions on how to reduce conflicts.

## Teaching

- 2020 to present     Teaching, course design, develop innovative methods of teaching and coordination in natural resource management master program (MSNARM) at NTNU
- 2010 to Present     Master thesis examiner (Conservation Biology) at IBI, NTNU.
- 2010 to 2020        Teaching and supervisor of MSc and undergraduate students in Human Evolution and Behaviour at IBI, NTNU.

## Publications

Peer reviewed papers (9) Book Chapters/thesis (3), Refereed proceedings from conferences & reports (12) and popular scientific publications (17)

### Book chapters/thesis

- Skjærvø GR** & Stith MM. One Field Guide: Navigating the Social Context of Conservation Research. (Text book for master students in conservation biology), NTNU, **2020**.
- Fyumagwa R, Mjinga E, Katale E, Bugwesa Z, Mdaki M, Maulid L, Keyyu and **Skjærvø GR**. Human Disease Prevalence. In Fyumagwa R et al. (Eds.), Northern Serengeti Road Ecology. Fagbokforlaget, **2017**.
- Keyyu J, **Skjærvø GR**, Mjinga E, Katale E, Bugwesa Z, Mdaki M and Fyumagwa, R. Animal Health Situation. In Fyumagwa R et al. (Eds.), Northern Serengeti Road Ecology. Fagbokforlaget, **2017**.
- Skjærvø GR**. Testing behavioral ecology models with historical individual- based human demographic data from Norway. Dr. philos thesis, NTNU, **2015**.

### Scientific journals

- Mbise FP, **Skjærvø GR**, Lyamuya RD, Fyumagwa RD, Jackson C, Holmern T, and Røskaft E. Livestock depredation by wild carnivores in the Eastern Serengeti Ecosystem, Tanzania. *International Journal of Biodiversity and Conservation*, **2018**.
- Skjærvø GR**, Fossøy F, Røskaft E. Solar activity at birth predicted infant survival and women's fertility in historical Norway. *Proceedings of Royal Society B*, **2015**.
- Skjærvø GR** & Røskaft E. Wealth and the opportunity for sexual selection in men and women. *Behavioral Ecology*, **2015**.
- Skjærvø GR**, Røskaft E. Menopause: no support for an evolutionary explanation among historical Norwegians. *Experimental Gerontology*, **2013**.
- Skjærvø GR** & Røskaft E. Early conditions and fitness: effect of maternal parity on human life history traits. *Behavioral Ecology*, **2013**.
- Skjærvø GR**, Bongard T, Wiken Å, Stokke BG, Røskaft E. Wealth, status, and fitness: a historical study of Norwegians in variable environments. *Evolution and Human Behavior*, **2011**.
- Skjærvø GR**, Stokke BG, Røskaft E. The rarity of twins: a result of an evolutionary battle between mothers and daughters to or do they agree? *Behavioral Ecology and Sociobiology*, **2009**.
- Børseth J F, Aunaas T, Denstad J P, Nordtug T, Olsen A, Schmid R, **Skjærvø G** and Zachariassen KE. Transmembrane sodium energy gradient and calcium content in the adductor muscle of *Mytilus edulis* in relation to the toxicity of oil and organic chemicals. *Aquatic Toxicology*, **1995**.
- Zachariassen KE, Aunaas T, Børseth JF, Einarson S, Nordtug T, Olsen A, **Skjærvø G**. Physiological parameters in ecotoxicology. *Comparative Biochemistry and Physiology Part C: Pharmacology, Toxicology and Endocrinology*, **1991**.

### Refereed proceedings from conferences:

- Skjærvø GR**, Ranke PS, Ntalwila J, Mwakatobe A, Machoke M, Njama L, Bhoke R, Mukeka J, Mtui D, Fyumagwa R. and Røskaft E. AfricanBioServices Relational Database. The 11th TAWIRI Scientific Conference, Arusha, Tanzania, **2017**.
- Keyyu J, Fyumagwa R, **Skjærvø GR**, Eblate E, Mdaki M, Kimera M and Røskaft E. Health of vulnerable populations and community knowledge on human and animal diseases including zoonoses in the Serengeti ecosystem, Tanzania. The 4th biennial EcoHealth Conference in Kunming, Yunnan Province, China, **2012**.