# Biographical Sketch: Eric Bertrand Fokam

**A. Education**

University of Dschang, Cameroon Zoology (B.Sc.) 1996

University of Dschang, Cameroon Animal Biology and Physiology (Maîtrise) 1998

University of Ghana, Ghana Entomology (M. Phil.) 2000

University of Buea, Cameroon Zoology (PhD) 2009

University of Texas Medical Branch Infectious diseases (Postdoctoral fellow) 2010

**B. Appointments**

2021-present: Professor of Zoology, Department of Animal Biology and Conservation, Faculty of Science, University of Buea, Cameroon

2019-present: Management Committee of IPBES IAS Assessment, Tokyo, Japan

2019 Visiting Scientist, Visiting Scientist, Department of Microbiology and Immunology, UTMB, Galveston, Texas

2018-present Member, **Multidisciplinary Expert Panel, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES),** Bonn, Germany

2017-present: CLA chapter 3 (Status and Trends) of the National Biodiversity and Ecosystem Services assessment for Cameroon

2016-2021: Associate Professor of Zoology, Department of Zoology and Animal Physiology, Faculty of Science, University of Buea, Cameroon

2015-present Chair, Department of Zoology and Animal Physiology, Faculty of Science, University of Buea, Cameroon

2013-2015 Head, Service for Teaching and Research, Faculty of Science, University of Buea, Cameroon

2010-2016 Lecturer (Assistant Professor), Department of Zoology and Animal Physiology, University of Buea, Cameroon

2010 Postdoctoral fellow, Institute of Human Infection and Immunity, UTMB, Galveston, Texas

2005-2006 Visiting Scientist, Department of Pathology, University of Texas Medical Branch, Galveston, Texas

2004-2010 Assistant Lecturer, Department of Plant and Animal Sciences, University of Buea, Cameroon

2001-2004 Instructor, Department of Life Sciences, University of Buea, Cameroon

**C. Publications (54)**

***(i) Six representative:***

1. Fominka NT, Oliveira HFM, Camargo NF, Tasse Taboue GC, Luma FE, Jost Robinson CA and **Fokam EB.** (2021). Conserving the forgotten: New insights from a Central African biodiversity hotspot on the anthropogenic perception of nocturnal primates (Mammalia: Strepsirrhini). *Primates,* https://doi.org/10.1007/s10329-021-00898-7
2. Dolinay M, Nečas T, Zimkus BM, Schmitz A, **Fokam EB,** Lemmon EM, Lemmon AR and Gvoždík V. (2021). Gene flow in phylogenomics: Sequence capture resolves species limits and biogeography of Afromontane forest endemic frogs from the Cameroon Highlands. *Molecular Phylogenetics and Evolution,* **163:** 107258.
3. Fominka NT, Oliveira HFM, Camargo NF, Jost Robinson CA and **Fokam EB.** (2020). Altitudinal and Seasonal Variation in the Structure of Nocturnal Primate Assemblages on Mount Cameroon. *International Journal of Primatology,* **41:** 714–731.
4. Maicher V, Delabye S Murkwe M, Doležal J, Altman J, Kobe IN, Desmist J, Fokam EB, Pyrcz T and Tropek R. (2020). Effects of disturbances by forest elephants on diversity of trees and insects in tropical rainforests on Mount Cameroon. *Scientific Reports*, **10:** 21618.
5. Delabye S, Maicher V, Sáfián S, Potocký P, Mertens JE.J, Przybyłowicz Ł, Murkwe M, Kobe IN, **Fokam EB,** Janeček Š and Tropek R. (2020). First records of 31 species of butterflies and moths (Lepidoptera) in Cameroon, with remarks on their elevational ranges. *Biodiversity Data Journal,* **8:** e50543.
6. Galega P. et **Fokam EB.** (2019). Renforcement de l’interface science-politique sur la biodiversité et les services écosystémiques : une innovation dans le processus de développement national au Cameroun. *Liaison Énergie-Francophonie,* **111(1):** 47-51.

***(ii) Six other significant publications (Total of 48):***

1. Zimkus BM, Baláž V, Belasen AM, Bell RC, Channing A, Doumbia J, **Fokam EB,** Gonwouo LN, Greenbaum E, Gvoždík V, Hirschfeld M, Jackson K, James TY, Kusamba C, Larson JG, Mavoungou L-B, Rödel M-O, Zassi-Boulou AG and Penner J. (2020). Chytrid Pathogen (*Batrachochytrium dendrobatidis*) in African Amphibians: A Continental Analysis of Occurrences and Modeling of Its Potential Distribution. *Herpetologica,* **76(2):** 201-215.
2. Morgan K, Mboumba JF, Ntie S, Mickala P, Miller CA, Zhen Y, Harrigan RJ, Underwood VL, Ruegg K, **Fokam EB,** Tasse Taboue GC, Sesink Clee PR, Fuller T, Smith TB and Anthony NM. (2020). Predicting responses to future climate change using genomic and phenotypic data from a Central African rodent. *Proceedings of the Royal Society B,* **287(1930):**20200449.
3. Mertens JEJ, Janeček S, Dzekashu FF, Padyšáková E, **Fokam EB** and Tropek R. (2020). Changes in pollinator community of *Scadoxus cinnabarinus* (Amaryllidaceae) along its elevational range on Mount Cameroon. *Arthropod-Plant Interactions*, **14:** 215–226.
4. Maicher V, Sáfián S, Murkwe M, Delabye S, Przybyłowicz L, Potocký P, Kobe IN, Janeček S, Mertens JEJ, **Fokam EB,** Pyrcz T, Doležal J, Altmn J, Hořák D, Fiedler K and Tropek R. (2020). Seasonal shifts of biodiversity patterns and species’ elevation ranges of butterflies and moths along a complete rainforest elevational gradient on Mount Cameroon. *Journal of Biogeography,* **47 (2):** 342-354.
5. Sukhdeo CA, Tasse Taboue GC, Philips KT, **Fokam EB** and Morgan K. (2019). Elevational variation of dung beetle (Coleoptera: Scarabaeidae: Scarabaeinae) communities on Bioko Island, Equatorial Guinea. African Zoology, 54(3): 151-160.
6. Klomberg Y, Kouede RD, Bartoš M, Mertens JEJ, Tropek R, **Fokam EB** and Janeček Š. (2019). The role of ultraviolet reflectance and pattern in the pollination system of Hypoxis camerooniana (Hypoxidaceae). *AoB PLANTS,* **11:** plz057

**D. Synergistic Activities**

Establishment over the past ten years of field stations around Mount Cameroon, frequently used to hold focus group discussions on perception and implementation of research on arthropod-borne infections and recently in conservation biology. We have contributed to the design of curricula for field courses for undergraduates and graduates in biodiversity and conservation science. This has increased awareness of people to the urgency of preserving wildlife, nature and its contributions to people.

**E. Collaborators and Other Affiliations**

*(i) Collaborators and Co-editors*

Anong DN (Univ. Buea, Cameroon); Gonwouo NL and Kamgang B (Univ. Yaoundé I, Cameroon); Bobo KS (Univ. Dschang, Cameroon); Boakye DA, Wilson MD, Brown CA, Billah M (Univ. Ghana); Mickala P, Mboumba JF and Ntie S (USTM, Franceville, Gabon); Weaver SC, Vasilakis N (UTMB, Texas); Anthony NM (Univ. of New Orleans, USA); Gonder KM (Drexel Univ. USA); Smith TB and Njabo KY (UCLA, USA); Bonneaud C, Herrel A (CNRS, France); Gusarov V (NHM, Univ. Oslo, Norway); Tropek D, Janecek C, Horak D (Charles Univ. Czech R.); Gvodzik V (Czech National Science Foundation, Prague, Czech R.)

#### *(ii) Graduate and Postdoctoral Advisors*

#### Maîtrise Zoology (1998): Mbida Mpomae, Emeritus Professor, University of Dschang, Cameroon

M.Phil Entomology (2000): Boakye Daniel A and Wilson MD, Emeritus Professors, NMIMR, Univ. Ghana

Ph.D Zoology (2009): Titanji Vincent PK, Emeritus Professor, Univ. Buea, Cameroon

Postdoctoral Advisor: Weaver Scott C, Chair Dept. M&I, UTMB, Texas.

*(iii) Thesis Advisor and Postgraduate Sponsor (05 out of 36 total, 8 PhD and 28 M.S.)*:

Divine Nsobinenyui (Ph.D, 2018): Currently an Assistant Lecturer, Univ. Bamenda, Cameroon

Geraud Tasse (Ph.D, 2019): Currently a Senior Research Fellow, IRAD, Cameroon

Mercy Murkwe (PhD, 2021): Currently a research fellow, IRAD, Ekona, Cameroon

Nestor Fominka (PhD, 2021): Part-time lecturer, Department of Forstry and Wildlife, Univ. Buea

Egbe Confidence (PhD, 2017-present): Thesis writing

I currently have 6 Ph.D. and 8 M.Sc. students enrolled in my laboratory.