

Jacob. K. Moutouama

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EDUCATION

2018 -: **PhD Student**, Department of Ecology and Evolutionary Biology, University of Tennessee at Knoxville (Advisor: Orou Gaoue)
2016: **MS in Forestry**, Graduated with Highest Honors, University of Parakou, Benin
2012: **BS in Forestry and Wildlife**, Graduated with Highest Honors, University of Parakou, Benin

ADDITIONAL TRAINING

Jun 2020: **Bayesian Modeling for Socio-Environmental Data Short Course**. National Socio-Environmental Synthesis Center (SESYNC), Maryland

April 2020: **Adaptive Management**. National Institute for Mathematical and Biology Synthesis at the University of Tennessee, Knoxville.

December 2018: **Applications of Spatial Data: Ecological Niche Modeling**. National Institute for Mathematical and Biology Synthesis at the University of Tennessee, Knoxville.

January 2018: **Modeling for Epidemiology, Ecology and Conservation**; African Mathematical School, Laboratory of Biomathematics and Forest Estimations, University of Abomey Calavi, Benin

Nov-Dec 2016: **Tropical Ecology Fields course**. Tropical Biology Association, Madagascar

May 2016: **Population modelling**. School of Forestry and wood engineering (Benin), Department of Biometry and Environment analysis (Germany)

PUBLICATIONS

Moutouama J. K., Fandohan A. B., Biaou S. S. H., Amahowe O. I., Moutouama F. T. & Natta A. K, (2016). Potential climate change favored expansion of a range limited species, *Haematostaphis barteri* Hook f. *Journal for Agriculture and Environment for International Development*. 110 (2): 397-411. DOI: 10.12895/5/jaeid.20162.516

Fandohan A. B., **Moutouama J. K.**, Biaou S. S. H., Gouwakinnou G. N., Adomou C. A., (2015). Le réseau d'aires protégées Bénin-Togo assure-t-il la conservation de *Thunbergia atacorensis* (Acanthaceae)? *Revue CAMES Science de la Vie, de la terre et Agronomie* 3(02) : 2424-7235.

Biaou S. S. H., **Moutouama J. K.**, B. S. C. Dan, Amahowe O. I., Moutouama F. T. & Natta A. K, (2016). Uses of *Haematostaphis barteri* Hook f among Waaba and Betamaribè in North Benin and impact of the vulnerability of the species. *International Journal of Biodiversity and Conservation*. Vol. 9(5), pp. 146-157, DOI: 10.5897/IJBC2016.1063

CONTRIBUTED TALKS

Moutouama J. K., Fandohan A. B. et Biaou S. S. H. 2015. Climate change and *Thunbergia atacorensis* a rare and endemic species of West-Africa, Implications for better conservation. 27th International Congress on conservation of biology. 02-06 August Montpellier France.

Moutouama J K., Biaou S. S. H. et Amahowé I. Impacts de l'exploitation de *Haematostaphis barteri* (Hook f.) Sur la vulnérabilité de l'espèce au Bénin. Premier atelier sur les espèces Négligés et sous utilisées du Bénin. 2014 Abomey-Calavi, au Benin.

AWARD & GRANTS

Rufford Small Grant: Conserving gallery forests threatened by human pressure in Northern Benin (2020-2021): \$7500 (Funded)

Association for Tropical Biology and Conservation (ATBC) Seed Research Grant: Herbivory as driver of center-periphery dynamics in an endemic plant species (2021): \$1000 (Funded)

National Institute for Mathematical and Biological Synthesis (NIMBioS) Graduate Award, (2019-2020): \$2500

Best progress toward Dissertation 2019, Department of Ecology and Evolutionary Biology, University of Tennessee at Knoxville

British Ecological Society (Ecologists in Africa). Plant-soil feedback as a driver of center-periphery dynamics for the endemic herb, *Thunbergia atacorensis* (2019-2021): \$14,500 (Funded)

Breedlove, Dennis Fund Awards for Student Botanical Field Experiences. Understanding how the variation between the visitations by pollinators is related to flower traits and how the strength of this link varies between the center and the periphery. 2019: \$1,000 (Funded)

McClure Scholarship, University of Tennessee at Knoxville. Spatially explicit cost of reproduction and implication for evolutionary demography (2019-2020):\$ 5000 (Funded)

Society for conservation Biology Graduate student Awards. 2019 \$1000. Understanding pattern of medicinal plants selection along a threatened hotspot of biodiversity in Northwestern Benin, West Africa. (Funded)

Graduate student Competition, Ecology and evolutionnary Biology (UTK) 2019. \$2500. Herbivory as driver of center-periphery dynamics in an endemic plant species.

Tropical Biology Association Course: Full funded, 2016 (Funded)

RESEARCH INTERESTS

Ecological Statistics, Matrix modelling, Integration Projection Modelling, Ethnobiology, Species Distribution modelling.

CLASSES TEACH AT UTK

EEB 587 Population modelling with R, EEB 304 Economic Botany, BIO260: General Ecology

REFERENCE

Dr. Orou Gaoue, Assistant Professor, University of Tennessee Knoxville, Department of Ecology and Evolutionary Biology, 569 Dabney Hall, Knoxville, TN 37996. (865) 974 3046; email: ogaoue@utk.edu