Curriculum Vitae

Nombres y Apellidos Gabriel Massaine Moulatlet
Fecha y Local de Nacimiento 20/04/1987, São Paulo-SP
Nacionalidad Brasileño

Dirección Profesional

Universidad Regional Amazónica Ikiam
Via a Muyuna, Km 7
Tena, Napo - Ecuador
mandaprogabriel@gmail.com
gabriel.massaine@ikiam.edu.ec

Areas de conocimiento:

Ecologia Tropical, Ecologia de Comunidades, Percepción remota, Hidrología, Botánica, Suelos

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Publicaciones Científcas

Listado complete abajo

Google scholar profile

ResearchGate profile

Instrucción

2014 – 2017 Ph.D. in Ecology
University of Turku, UTU, Turku, Finland
Thesis title: Mapping species-habitat associations in lowland Amazonia: an across-scale perspective with biogeographical implications
Supervisors: Dr. Hanna Tuomisto (University of Turku) and Camilo Daleles Rennó (INPE-Brazilian National Institute for Space Research)
Grant: University of Turku Graduate School, 4 years grant to Gabriel M. Moulatlet

2010 - 2012 M.Sc. in Biology/Ecology
National Institute for Amazonian Research, INPA, Manaus, Brazil
Dissertation title: A importância de condições hidrológicas na distribuição e conservação de plantas herbáceas de sub-bosque em florestas amazônicas: uma contribuição em escala regional.
Supervisors: Dr. Flávia Regina Capellotto Costa (INPA) and Camilo Daleles Rennó (NPE)
Grant: Brazilian National Council for Scientific and Technological Development (CNPq), 2 years grant to Gabriel M. Moulatlet

2005 - 2008 B. SC. in Biological Sciences.
University of the São Paulo State 'Júlio de Mesquita Filho', UNESP, Sao Paulo, Brazil
Title: Clube de Ciências: Uma Proposta de Transformação Social
Supervisor: Lúcia Maria Paleari (UNESP)
Grant: Schoolarship from UNESP Núcleo de Ensino.

Experiencia Laboral:

02/2018 a 04/2021
Universidad Regional Amazónica Ikiam
Profesor-Invesigador Agregado I
https://ikiam.edu.ec/app/index.html#/biografia/12

01/2014 a 2017
University of Turku.
Doctoral Candidate
Project: Mapping Amazon Biodiversity by prediction of species distribution along hydrological gradients

10/2012 a 06/2013
Brazilian National Institute for Space Research (INPE) / Brazilian National Council for Scientific and Technological Development (CNPq)
PCI grant Researcher
Project: Mapping Hydrological Environments by Integration Local and Regional Hydrological Conditions in the Amazon

02/2010 a 02/2012
National Institute for Amazonian Research (INPA) / Brazilian National Council for Scientific and Technological Development (CNPq)
Master Student
Project: Distribution of understorey herbs in Hydro-Climatic gradients

Proyectos aprobados

2019- 2021

- Mapping the distribution of Ferns and lycophytes and its relation to other taxa along the Andean-Amazonian corridor. Rufford Foundation (US$ 5000)

2020 -Presente

- Dinámica Del Carbono Y Diversidad Florística En Los Bosques Siempre Verdes Del Norte De La Cordillera Oriental De Los Andes – RBCC; Implicaciones Para Su Manejo. AECID Foundation (Spain; US$ 15.227)

- Dinámicas de transporte de DOC en cuatro turberas altoandinas alteradas en las áreas de conservación hídrica Antisana y Alto Pita: Implicaciones Ecohidrologicas. Fondo para la protección del Agua de Ecuador (FONAG; US$ 3000)

Experiencia de enseñanza

- Biodiversity Informatics (in collaboration with Hanna Tuomisto), University of Turku, 2017
- Ecologia de Comunidades (assisting Dr. Flávia Costa), INPA, 2011
- Metodos Cuantitavos en Ecología, Ikiam, 2018 to present.
- GIS, Ikiam, 2018 to 2021t.
- Ecohidrologia, Ikiam, 2018 to 2021.
- Restauración de Ecosistemas, Ikiam, 2018 to 2021.
- Evaluación, Remediación y Saneamiento Ambiental, Ikiam, 2018 to 2021.

Tutorias

- 5 Master's students (4 co-supervision of Wageningen University students and 1 co-supervision of University of Turku students)
- 4 undergraduate students (Universidad Regional Académica Ikiam)

Referencias

1. Dra. Hanna Tuomisto. University of Turku, Finland. Hanna.tuomisto@utu.fi
2. Dra. Flavia Costa. INPA – Brazilian National Institute for Amazonian Research flaviacosta001@gmail.com
3. Dr. Camilo Rennó. INPE – Brazilian National Institute of Space Research. camilo.renno@inpe.br

Experiencia de trabajos em campo

- Ecuadorian Eastern Andes, varias expediciones
- Purus-Madeira Interfluve, Brazilian Amazonia, 5 meses em campo
- Juruá River, Brazilian Amazonia, 3 meses en campo
- National Forest of Tapajós (FLONA), Brazilian Amazonia, 1 mes en campo
- Viruá National Park, Brazilian Amazonia, 1 mes en campo
- South Purus-Madeira Rivers Interfluve, Brazilian Amazonia, 2 meses em campo
- Cerrado fragments of Botucatu, São Paulo, Brazil, 1 mês em campo

Idiomas:

	Speaking	**Reading**	**Writing**
Español	Fluent	Fluent	Fluent
English	Fluent	Fluent	Fluent
Portuguese	Native	Native	Native

Lista de publicaciones científicas (02/06/2021)

h-index = 12

2021

- Lucas-Solis, O., Moulatlet, G. M., Guamangallo, J., Yacelga, N., Villegas, L., Galarza, E., ... & Capparelli, M. V. (2021). Preliminary Assessment of Plastic Litter and Microplastic Contamination in Freshwater Depositional Areas: The Case Study of Puerto Misahualli, Ecuadorian Amazonia. Bulletin of Environmental Contamination and Toxicology, 1-7.
- Galarza, E., Cabrera, M., Espinosa, R., Espitia, E., **Moulatlet, G. M**., & Capparelli, M. V. (2021). Assessing the quality of amazon aquatic ecosystems with multiple lines of evidence: the case of the Northeast Andean foothills of Ecuador. Bulletin of Environmental Contamination and Toxicology, 1-10.

2020

- Capparelli, M. V., **Moulatlet, G. M.**, de Souza Abessa, D. M., Lucas-Solis, O., Rosero, B., Galarza, E., ... & Cipriani-Avila, I. (2020). An integrative approach to identify the impacts of multiple metal contamination sources on the Eastern Andean foothills of the Ecuadorian Amazonia. Science of The Total Environment, 709, 136088.
- Cabrera, M., Valencia, B. G., Lucas-Solis, O., Calero, J. L., Maisincho, L., Conicelli, B., …, **Moulatlet, G.M.** & Capparelli, M. V. (2020). A new method for microplastic sampling and isolation in mountain glaciers: A case study of one antisana glacier, Ecuadorian Andes. Case Studies in Chemical and Environmental Engineering, 2, 100051.
- WE Janse, J., & **Moulatlet, G.M.** (2020). Notes on the breeding behaviour and nesting preferences of Blackish nightjar (Nyctipolus nigrescens) in the Napo province in eastern Ecuador. Neotropical Biodiversity, 6(1), 203-205.
- Dambros, C., Zuquim, G., **Moulatlet, G.M.,** …Magnusson, W. (2020). The role of environmental filtering, geographic distance and dispersal barriers in shaping the turnover of plant and animal species in Amazonia. Biodiversity and Conservation. 10.1007/s10531-020-02040-3 (in press).
- Weigand, A., Abrahamczyk, S., Aubin, I., Bita-Nicolae, C., Bruelheide, H., I. Carvajal-Hernández, C., ...**Moulatlet, G.M**, ... & Gasper, A. L. D. (2020). Global fern and lycophyte richness explained: How regional and local factors shape plot richness. Journal of Biogeography.
- doninck, J. V., Jones, M. M., Zuquim, G., Ruokolainen, K., **Moulatlet, G. M.**, Sirén, A., ... & Tuomisto, H. (2020). Multispectral canopy reflectance improves spatial distribution models of Amazonian understory species. Ecography, 43(1), 128-137.

2019

- Tuomisto, H., Van Doninck, J., Ruokolainen, K., **Moulatlet, G. M.**, Figueiredo, F. O., Sirén, A., ... & Zuquim, G. (2019). Discovering floristic and geoecological gradients across Amazonia. Journal of Biogeography, 46(8), 1734-1748.
- **Moulatlet, G. M.**, Zuquim, G., & Tuomisto, H. (2019). The role of soils for pteridophyte distribution in tropical America forests. The Fern Gazette, 21, 1-20.
- Zuquim, G., Stropp, J., **Moulatlet, G. M.**, Van doninck, J., Quesada, C. A., Figueiredo, F. O., ... & Tuomisto, H. (2019). Making the most of scarce data: Mapping soil gradients

in data-poor areas using species occurrence records. Methods in Ecology and Evolution, 10(6), 788-801.

- Rossetti, D. F., **Moulatlet, G. M.**, Tuomisto, H., Gribel, R., Toledo, P. M., Valeriano, M. M., ... & Coelho, L. S. (2019). White sand vegetation in an Amazonian lowland under the perspective of a young geological history. Anais da Academia Brasileira de Ciências, 91(4).
- Ruokolainen, K., **Moulatlet, G. M.**, Zuquim, G., Hoorn, C., & Tuomisto, H. (2019). Geologically recent rearrangements in central Amazonian river network and their importance for the riverine barrier hypothesis. Frontiers of Biogeography.
- Banon, G. P. R., Banon, G. J. F., Villamarín, F., Arraut, E. M., **Moulatlet, G. M.**, Rennó, C. D., ... & Novo, E. M. L. D. M. (2019). Predicting suitable nesting sites for the Black caiman (Melanosuchus niger Spix 1825) in the Central Amazon basin. Neotropical Biodiversity, 5(1), 47-59.
- Banon, G., Arraut, E., Villamarín, F., Marioni, B., **Moulatlet, G.**, Rennó, C., ... & Novo, E. (2019). A review on crocodilian nesting habitats and their characterisation via remote sensing. Amphibia-Reptilia, 40(4), 403-423.
- Zuquim, G., Costa, F. R., Tuomisto, H., **Moulatlet, G. M.**, & Figueiredo, F. O. (2019). The importance of soils in predicting the future of plant habitat suitability in a tropical forest. Plant and Soil, 1-20.

2018

- Figueiredo, F. O., Zuquim, G., Tuomisto, H., **Moulatlet, G. M.**, Balslev, H., & Costa, F. R. (2018). Beyond climate control on species range: The importance of soil data to predict distribution of Amazonian plant species. Journal of Biogeography, 45(1), 190-200.

2017

- Rossetti, D. F., Gribel, R., Rennó, C. D., Cohen, M. C., **Moulatlet, G. M.**, de Oliveira Cordeiro, C. L., & Rodrigues, E. D. S. F. (2017). Late Holocene tectonic influence on hydrology and vegetation patterns in a northern Amazonian megafan. Catena, 158, 121-130.
- **Moulatlet, G. M.**, Zuquim, G., Figueiredo, F. O. G., Lehtonen, S., Emilio, T., Ruokolainen, K., & Tuomisto, H. (2017). Using digital soil maps to infer edaphic affinities of plant species in Amazonia: Problems and prospects. Ecology and evolution, 7(20), 8463-8477.

2016

- Tuomisto, H., **Moulatlet, G. M.**, Balslev, H., Emilio, T., Figueiredo, F. O., Pedersen, D., & Ruokolainen, K. (2016). A compositional turnover zone of biogeographical magnitude within lowland Amazonia. Journal of Biogeography, 43(12), 2400-2411.
- Muro, J., Tuomisto, H., Higgins, M. A., **Moulatlet, G. M.**, & Ruokolainen, K. (2016). Floristic composition and across-track reflectance gradient in Landsat images over Amazonian forests. ISPRS Journal of Photogrammetry and Remote Sensing, 119, 361-372.

- Schietti, J., Martins, D., Emilio, T., Souza, P. F., Levis, C., Baccaro, F. B., **Moulatlet G.M.**,... & de Araújo, R. N. O. (2016). Forest structure along a 600 km transect of natural disturbances and seasonality gradients in central-southern Amazonia. Journal of Ecology, 104(5), 1335-1346.

2015

- **Moulatlet, G. M.**, Rennó, C. D., Costa, F. R. C., Emilio, T., & Schietti, J. (2015). Mapping hydrological environments in central Amazonia: ground validation and surface model based on SRTM DEM data corrected for deforestation. Earth System Science Data, 7(1), 29.

2014

- Zuquim, G., Tuomisto, H., Jones, M. M., Prado, J., Figueiredo, F. O., **Moulatlet, G. M.,** ... & Emilio, T. (2014). Predicting environmental gradients with fern species composition in Brazilian Amazonia. Journal of Vegetation Science, 25(5), 1195-1207.
- **Moulatlet, G. M.**, Costa, F. R., Rennó, C. D., Emilio, T., & Schietti, J. (2014). Local hydrological conditions explain floristic composition in lowland Amazonian forests. Biotropica, 46(4), 395-403.

2013

- Cintra, B. B. L., Schietti, J., Emillio, T., Martins, D., **Moulatlet, G.**, Souza, P., ... & Schöngart, J. (2013). Soil physical restrictions and hydrology regulate stand age and wood biomass turnover rates of Purus-Madeira interfluvial wetlands in Amazonia. Biogeosciences, 10(11).

2012

- Pezzini, F. F., de Oliveira, D. M. S., de Amorim, r. X., de Figueiredo, F. O. G., Drucker, d., Rodrigues, F. D. O., **Moulatlet, G.M**, ... & Sampaio, A. (2012). The Brazilian Program for Biodiversity Research (PPBio) Information System. Embrapa Roraima-Artigo