

MIGUEL ÁNGEL GÓMEZ MOLINERO

BIOLOGIST / VETERINARY ASSISTANT



EDUCATION

2018-2019 - Master's degree in Biodiversity

Universidad Autónoma de Madrid

2013-2018 - Bachelor's degree in Biology

Universidad Autónoma de Madrid

2014-2015 - Veterinary Assistant

Escuela de Formación del Corredor del Henares

PROFESSIONAL EXPERIENCE

2020: Research assistant

Vegetation identification, measure of ecophysiological traits and cultivated soils sampling.

2018- present: Colaborator with the Unit of Botany in the UAM

Master's Thesis Student

Identification of bryophytes. In-vitro culture techniques. Image and data analysis. Writing of scientific results.

2018: Veterinary assistant in Hospital Alcor

Professional practices (180h)

Deal with the customer. Assistance in the operating room and during consultations. Preparation of sanitary material. Inpatient care.

2017 y 2018: Paleontological campaigns

Participation in two paleontological campaigns and in a prospecting campaign. Excavation in Canarian deposits. Restoration, storage and identification of the extracted material. Prospecting for new deposits.

2016 - 2017: Colaborator in the research team UCM EPICONTROL-Carnívoros

Extracurricular practices and degree thesis student

Identification of parasites of domestic animals. Techniques for parasitic disease diagnosis. Field sampling and necropsies. Microscopic mounting techniques. Collection and preservation of biological samples. Familiarization with veterinary clinical trials. Maintenance of arthropod colonies. Writing of scientific results.

2015-2016: Veterinary assistant in Fundación Cannad internacional

Professional practices (200h)

TaDeal with the customer. Assistance during consultations and minor surgeries. Documents filling and orders placing. Physical examination of animals.

PUBLICATIONS

Gálvez Esteban, R., Gómez Molinero, M. Ángel, & López De Felipe Escudero, M. (2020). Aproximación didáctica al estudio de los flebotomos y su control bajo el enfoque de "Una sola Salud". *Revista Madrileña De Salud Pública*, 4(8), 1-12. <https://doi.org/10.36300/remasp.2020.072>

CONTACT

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ABOUT ME

I am a graduate in Biology; I am interested in both animal and plant biodiversity. I am a dynamic person, which has led me to do various practices during my training. Mainly I have focused on small caliber life (parasites of carnivores and bryophytes), but I have also participated in paleontological campaigns and informative activities.

During the process, I have acquired knowledge about taxonomic identification, optical microscopy techniques, microdissection, field sampling, in-vitro culture, data analysis, and scientific writing, among others. In addition, they have improved my versatility between different branches of biology, teamwork, and my interest in multidisciplinary questions.

INFORMATICS

- Office
- R, SPSS y Past
- Image J y FIJI
- MrBayes, RAxML, Treefinder, Jmodeltest
- Winvet

LANGUAGES

- Spanish
- English: B2
- Catalan: B1
- Polish: A2

CONFERENCES AND SEMINARS ATTENDANCED

2019: Oral presentation in XXII Symposium of Cryptogamic Botany. **Facilitation effects of moss vegetative shoots and spores on Dicranum germination and early development.**

2019: Oral presentation in the V Congreso VetDoc de Docencia en Veterinaria. **Transferencia de resultados de Trabajos de Fin de Grado a la comunidad científica internacional: ¿la excelencia es consecuencia de la motivación extrínseca?**

2019: Poster presentation in The Conference of IAB, iMOSS and SEB. **Competition and facilitation in the early development of three common Iberian mosses.**

2019: Poster presentation in the II Jornada Primeros Pasos del Departamento de Biología. **Inhibitory effect of bryophytes on germination: Is King Herod dressed in green?**

2017: Poster presentation in the XX Congreso de la Sociedad Española de Parasitología: **Estudio sobre la dinámica estacional de la subfamilia Phlebotominae en un municipio endémico de leishmaniosis canina.**

2017: Attendance to the I Jornadas Quínoa-UAM: La quínoa como cultivo alternativo en España.

2015: Attendance to the Jornada sobre el papel de bacterias y virus en el origen y evolución de los taxones.

2014: Attendance to the XII Encuentro de Jóvenes Investigadores en Paleontología.

2014: Attendance to the III Ciclo de conferencia en arqueobiología: Las piezas que faltaban: grandes olvidados del registro arqueológico.

DISSEMINATION

2020: Colaborator in dissemination activities of the project **“SoilSkin - La Piel Viva del Suelo: Un programa de ciencia ciudadana para evaluar la vulnerabilidad de los ecosistemas y sus funciones frente al cambio global”** (*The Living Skin of the Soil: A citizen science program to assess the vulnerability of ecosystems and their functions to global change*) ([link](#)).

2020: Oral presentation in the **Jornada de Universitarios con Futuro.**

2019: Monitor in the activity **Apadrina una reina – Taller para construir hormigueros 3D** (*Sponsor a queen - 3D anthill building workshop*) ([link](#)). XIX Semana de la ciencia e innovación de Madrid.

2017: Oral presentation in the **Jornada de Universitarios con Futuro.**

2015: Organization and monitor in the activity **“Los microartrópodos edáficos”** (*The edaphic microarthropods*). IES Complutense.

2014: Monitor in the activity **“Los microartrópodos edáficos y su utilidad como bioindicadores de las características de los suelos”** (*The edaphic microarthropods and its utility as bioindicators of soil characteristics*). UAM.

OTHER SCIENTIFIC COURSES

2020: Online course - **Introduction to Probability and Data with R.** Duke University (15h).

2020: Online course - **Programming for Everybody (Getting Started with Python).** University of Michigan (19h).

2020: Online course - **Understanding Plants - Part II: Fundamentals of Plant Biology.** University of Tel Aviv (6h).

2020: Online course- **Understanding Plants - Part I: What a Plant Knows.** University of Tel Aviv (11h).

2020: Online course - **Introduction to algae.** University of San Diego, California (10h).

2020: Online course- **Bugs 101: Insect-Human interactions.** University of Alberta (27h).

2020: Participation in the **Scientific Writing Workshop** in the Botany Unit in the UAM.

2019: Course **Retos para la conservación en África: Los parques nacionales de África Central** (*Challenges for the conservation in Africa: The National Parks from Central Africa*). Fundación Fernández González Bernáldez (6h).

2017: Course **Identificación de helechos** (*Identification of ferns and allies*). Universidad Complutense de Madrid (20h).

2017: Online course - **Principios de básicos de comunicación científica** (*Principles in scientific communication*). Universidad de Cantabria (24h).

2014: Course **Biología y medicina veterinaria de animales exóticos** (*Course of the biology and veterinary medicine of exotic animals*). EFCH, 2014 (30h).