

CONTACT ME



BRT profile

 castromartinez@ftz.czu.cz

 +420-775-221-202

 [P.A Castro Martinez](#)



HIGHLIGHTS

- Early-stage researcher with experience in bibliographic analysis and research support
- Strong background in scientific writing and literature synthesis
- Experience supporting international research projects and multidisciplinary teams
- Advanced skills in science communication and research dissemination
- Interdisciplinary background bridging veterinary sciences, applied biological research, and communication

Paula A Castro M

Digital Media Specialist & Research Assistant



WORK EXPERIENCE

Digital Media Specialist

BioResources & Technology Division (BRT) at FTZ/CZU

March. 2025 - Ongoing

- Science communication and dissemination of research outputs
- Development of multimedia content for EU-funded research projects
- Video production and visual storytelling for scientific and institutional communication
- Website content creation and project-related communication support
- Active member of the BRT Communications Team

Research Assistant

Advancing Agroforestry Innovation in Africa through Living Labs for Sustainable Development.

February. 2025 - Ongoing

- Bibliographic reviews and scientific literature analysis
- Research database construction and data organisation
- Administrative and coordination support for international research activities and project meetings

Science Writer & Research Analyst

2022 - 2024

- Contribution to research articles in international journals
- Scientific writing and editorial support for peer-reviewed publications
- Bibliographic reviews and synthesis of scientific literature
- Editing and proofreading of scientific manuscripts

Laboratory & Applied Research Experience

2018 - 2022

- Laboratory assistance in molecular diagnostics and sample processing
- Participation in applied research projects in animal production and health
- Support in experimental data collection and monitoring

Curriculum Development & Academic Capacity Building

2018 - 2024

- Contribution to the development and support of academic and research-oriented activities through literature reviews, data organisation, and scientific writing
- Integration of veterinary sciences, applied biological research, and science communication to support interdisciplinary learning and knowledge transfer
- Support of research dissemination workflows, translating scientific outputs into structured educational and communication materials
- Experience connecting laboratory-based research, field data, and scientific documentation within international and multidisciplinary projects
- Ongoing development of academic competencies aligned with research-oriented career pathways

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EDUCATION HISTORY

MSc Wildlife and Livestock Production, Management and Conservation.

Czech University of Life Sciences, Prague
2024 - Ongoing

Doctor of Veterinary Medicine

Universidad de Ciencias Aplicadas y Ambientales (UDCA), Colombia
Year of Graduation: 2017



LANGUAGE SKILLS

- **Spanish** - Native Speaker
- English - B2 Certified
- French - B2 Certified
- Czech - A1 Certified

OTHER SKILLS AND EXPERIENCES

- Scientific writing and literature review
- Research data organisation and management
- Science communication and knowledge translation
- Multimedia content creation and visual storytelling
- Adobe Creative Suite and digital collaboration tools
- Experience working in international and multidisciplinary research environments

ADDITIONAL ACADEMIC & PROFESSIONAL FORMATION

- Volunteer experience with the Colombian Red Cross, including emergency response support, telecommunications, operational coordination, and canine handling and training
- Training and experience as a lifeguard specialised in telecommunications, supporting emergency and rescue operations
- Long-term involvement in equine management and animal handling, contributing to applied knowledge of animal behaviour, welfare, and discipline
- Formal training in music performance (alto saxophone), fostering long-term commitment, structured practice, and creative discipline

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LIST OF PROJECTS



Participation in EU-funded and international research projects, supporting research dissemination, coordination, and communication activities.

- HORIZON EUSPA-2022-SPACE project 2024-2026: 101131859 - Combined Use of EGNSS and Copernicus Data to Develop Innovative Downstream Services for the Users from Chile and Colombia (COMUNIDAD).
- HORIZON-WIDERA-2022-ERA-01-41 project 2023-2026: 101094725 - Open Science to Increase Reproducibility in Science (OSIRIS).
- 101135150 – BIO-CAPITAL – HORIZON-CL6-2023-BIODIV-01 2024 - Dec 2027 BIO-CAPITAL - Mobilising Investments for Protecting and Restoring Biodiversity by Harnessing Innovative Financial Solutions and Advanced Geospatial Analytics.
- MWAZACO – Mine Water Atlas of the Zambian Copperbelt – development and environmental protection initiative funded by the Czech Development Agency (CZDA).
- V-BIOCHAR - Vermicompost & Biochar Integration for Climate-Smart Farming implemented by the United Nations Development Programme (UNDP) with the financial support of the Ministry of Foreign Affairs of the Czech Republic.
- Strengthening AgriSciences in Ukraine: AgriSci-UA



LIST OF SCIENTIFIC PUBLICATIONS

- **Castro Martinez, P. A.**, León González, J. A., & Sanjuanelo Corredor, D. W. (2023). In vitro evaluation of the anthelmintic activity of methanolic extracts of *Guazuma ulmifolia* against Cyathostominae nematodes. *Revista De Investigaciones Veterinarias Del Perú*, 34(1), e22852. <https://doi.org/10.15381/rivep.v34i1.22852>.
- Murillo Casas AT, **Castro Martinez PA**, Borda Rojas F, Vega LA, de Sousa ACA, Fietto JLR, Hell-Mor N, Tafur-Gómez GA. Preliminary field evaluation of indirect ELISA test using the recombinant antigen rLicNTPDase-2 for serodiagnosis of canine leishmaniasis in Colombia. *J Immunol Methods*. 2024 Nov;534:113765. doi: [10.1016/j.jim.2024.113765](https://doi.org/10.1016/j.jim.2024.113765) Epub 2024 Oct 13. PMID: 39406334.

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