**Laura Sofia Fajardo Ortiz**

Biologist

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**Links**

[*Linkedin,*](https://co.linkedin.com/in/laura-sofia-fajardo-ortiz-003424232) *Nación Bankless* [*articles*](https://paragraph.xyz/@nacionbankless/category/ciencia%20sinérgica)*-[DeSci](https://paragraph.xyz/@nacionbankless/category/desci),* [*X (Twitter)*](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwji46rs4duGAxVMElkFHUTdCukQFnoECBAQAQ&url=https%3A%2F%2Ftwitter.com%2F_lausof_&usg=AOvVaw06pdgnedIgMeVKnJiyooBX&opi=89978449)*,* [*Medium*](https://medium.com/@77lausofi/about)

**Employment History**

Content Writer, Nación Bankless Jan 2024-Present

As part of my involvement in scientific outreach, I have contributed articles creating an exclusive section on DeSci with other members. In my publications, I focus on explaining basic science concepts with the aim of promoting scientific literature. I have also analyzed the current state of the DeSci community, highlighting challenges and areas of opportunity for growth and collaboration.

Fish farming, “The Paradise” Farm Nov 2022-Present

Currently actively involved in a fish farming project, where I participate in all stages of the process, from stocking to fattening the fish for consumption. My main role is to carry out monitoring of the animals, water and other factors that may influence production. This responsibility involves closely monitoring the health status of the fish, ensuring optimal habitat and feeding conditions for their proper development.

Volunteering, “Tierra Blanca” Farm Jul 2023-Aug 2023

Participated in environmental conservation tasks. Working in a designated conservation area, I was involved in planting and caring for native plant species, where I had the opportunity to conduct plant identification studies. I also collaborated in reviewing future projects, exploring possibilities to implement innovative technologies to improve the efficiency and sustainability of agricultural and conservation practices on the farm.

**Education**

Universidad Surcolombiana, Applied Biology Feb 2021-Present

Through an interdisciplinary approach, we understand and appreciate biological diversity, allowing to propose innovative solutions to enhance the quality of life at local, national, and international levels. Specialized in the study of living organisms in various natural and productive systems, focusing on animal and plant biology, biodiversity conservation, and sustainable management of aquatic resources. Here I participate in an environmental and molecular microbiology research group, focusing on molecular studies of fish samples to examine local pathogens responsible for diseases.

Platzi, Online Writing-Blockchain-Data Analysis Jul 2020-Present

Participation in specialized courses. Aimed at strengthening writing skills, effective communication, and the creation of high-quality digital content, the knowledge of the fundamental principles of blockchain and basic programming skills, focusing on the creation and management of innovative technological solutions. And a specialized route in data analysis, with the goal of acquiring advanced skills in data handling and analysis to complement my academic background, aiming to address bio-data related challenges.

Universidad de los Andes, Biological Data Analysis in Python Jul 2024–Aug 2024

Involves leveraging the computational capabilities of modern computers to handle large datasets generated by advanced biological techniques like sequencing. This course provides both theoretical insights and practical skills necessary for effective use of bioinformatics tools. Topics include theoretical motivations behind biological problems, nature of generated data, and implementation of algorithms in Python for data analysis. The course covers diverse data types and analytical methods, from basic alignments and database searches to advanced techniques like multidimensional data visualization and machine learning, crucial for contemporary scientific research in biology.

**Skills**

Analytical observation – Creativity - Problem solving - Perspective thinking - Research