

SOFIA FOLADORI INVERNIZZI

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EXPERIENCE

2023 – ONGOING

RESEARCH ASSOCIATE, BERN UNIVERSITY OF APPLIED SCIENCES, SWITZERLAND

ENANDES: Enhancing Adaptative Capacity of Andean Communities through Climate Services Project lead by the World Meteorological Organization (WMO) that aims to support climate resilience of Andean communities. Involved in assessing socio-economic vulnerability and benefits related to the provision of climate services.

2021 – 2023

RESEARCH FELLOW, UNIVERSITY OF HOHENHEIM, GERMANY

Working with environmental modeling, systematic bibliographic analysis, and training an artificial intelligence system in the Biogeophysics department of the University.

2021 – 2021

RESEARCH FELLOW, EMBRAPA FLORESTAS, BRAZIL

Working with biorefinery and hydroponic planting.

2018 – 2021

RESEARCH FELLOW AT THE SCIENTIFIC INITIATION PROGRAM SCHOLARSHIP (PIBIC), FEDERAL UNIVERSITY OF PARANÁ, BRAZIL

Working with vegetative propagation by cutting, with 3 published articles on the subject.

2018 – 2019

TEACHING ASSISTANT IN “GENETICS I” AND IN “POPULATION GENETICS”, FEDERAL UNIVERSITY OF PARANÁ, BRAZIL

The work consisted in helping bachelor students with questions and making study material.

2015 – 2018

FELLOW OF THE INSTITUTIONAL PROGRAM OF TEACHING INITIATION (PIBID-CAPES), FEDERAL UNIVERSITY OF PARANÁ, BRAZIL

The project is a cooperation between universities and public high schools. Acted in 3 projects: biology (2015-2016), sociology (2016-2017), and environmental education (2017-2018).

EDUCATION

2021-2023

MASTER'S IN ENVIRONMENTAL SCIENCE – SOIL, WATER AND BIODIVERSITY, UNIVERSITY OF HOHENHEIM, GERMANY & BOKU UNIVERSITY, AUSTRIA.

Double degree international master.

Thesis in the area of Soil Science and Data Science, working with Rhizotron data in collaboration with Forschungszentrum Jülich

2021-2022

MBA IN DATA SCIENCE AND ANALYTICS, UNIVERSITY OF SÃO PAULO, BRAZIL

Focused on the use of R/RStudio in data science.

2021-2022

MASTER'S IN SCIENCE, TECHNOLOGY AND INNOVATION, UNIVERSIDAD NACIONAL DE RIO NEGRO (UNRN), ARGENTINA

With a specialization in Public Communication of Science.

2020

HIGHER DIPLOMA IN MANAGEMENT AND POLICIES OF INTERNATIONAL HEALTH AND SANITARY SOVEREIGNTY, LATIN AMERICAN COUNCIL OF SOCIAL SCIENCES (CLACSO)

With a final grade of 9 out of 10 (highest)

2020

SPECIALIZATION IN GEOGRAPHIC INFORMATION SYSTEMS, UNIVERSITY OF CALIFORNIA, DAVIS (VIA COURSERA)

Completing 150 hours.

2020

SPECIALIZATION IN DATA SCIENCE, JOHNS HOPKINS UNIVERSITY (VIA COURSERA)

Completing 290 hours.

2020

BACHELOR OF SCIENCE IN BIOLOGY, FEDERAL UNIVERSITY OF PARANÁ, BRAZIL

With a final grade of 9.1 out of 10 (highest). Also took courses for one year in the bachelor's degree in social sciences at the same university, to expand my humanities knowledge. In addition, I did a **six-month exchange at the Polytechnic University of Marche, Italy**.

PUBLICATIONS

- **Foladori-Invernizzi, S.;** Filho, W. M.; Determinantes socioeconômicos e o índice de mortalidade decorrente da COVID-19 no Brasil [Socioeconomic determinants and the mortality rate due to COVID-19 in Brazil], Revista de Saúde Coletiva da UEFS, v.13, n.1, 2023.
- **Foladori-Invernizzi, S.;** Levin, L. G.; La comunicación científica de la pandemia de COVID-19 en el periódico brasileño Folha de S. Paulo entre marzo 2020 y marzo 2021 [Scientific communication of the COVID-19 pandemic in the Brazilian newspaper Folha de S. Paulo between March 2020 and March 2021], JCOM América Latina, v.6, n.2, 2023.
- Maggioni, R. A.; Duarte, M. M.; Vieira, L. M.; **Foladori-Invernizzi, S.;** Nogueira, A. C. Carpanezzi, A. A.; Zuffellato-Ribas, K. C.; Morphology and germination of *Aegiphila brachiata* Vell.: potential species for ecological restoration in atlantic forest, DELOS, v.16, n.42, p. 31-47, 2023.

- **Foladori-Invernizzi, S.**; Maggioni, R. A.; Zuffellato-Ribas, K. C.; Estado da arte da propagação vegetativa de espécies arbustivo-arbóreas [State of the art on the vegetative propagation of shrub-tree species], Revista Eletronica Cientifica da UERGS, v. 7, p. 50-63, 2021.
- **Foladori-Invernizzi, S.**; Maggioni, R. A.; Zuffellato-Ribas, K. C.; Estaquia caulinar herbácea e semilenhosa de *Aegiphila brachiata* Vell. (Lamiaceae) [Herbaceous and semi-hardwood cuttings of *Aegiphila brachiata* Vell. (Lamiaceae)]. Revista Forestal Mesoamericana Kurú, v. 18, p. 71-78, 2021.
- **Foladori-Invernizzi, S.**; Emergencia de las vacunas [Vaccine emergency]. Revista de Ciencias Sociales (RCS), v. 27, p. 22-25, 2021.
- **Foladori-Invernizzi, S.**; Políticas y tecnologías de radares: el caso de Argentina en el contexto Latinoamericano [Radar policies and technologies the case of Argentina in the Latin American context]. Hipertextos Revista Digital, v. 9, p. 143-156, 2021.
- Maggioni, R. A.; Vieira, L. M.; **Foladori-Invernizzi, S.**; Carpanezi, A. A.; Zuffellato-Ribas, K. C.; Germinative potential and vegetative propagation of *Aegiphila brachiata* Vell., CERNE, 2020.

CONFERENCE PRESENTATIONS

- 2021 – Maggioni, R. A.; **Foladori-Invernizzi, S.**; Carpanezi, A. A.; Zuffellato-Ribas, K. C. “Propagação vegetativa de *Aegiphila brachiata* Vell. (Lamiaceae) a partir de matrizes rejuvenescidas”. IV Simpósio paranaense de fruticultura, Curitiba, Brazil. 5 November
- 2019 – Maggioni, R. A.; **Foladori-Invernizzi, S.**; Vieira, L. M.; Carpanezi, A. A.; Zuffellato-Ribas, K. C. “Cutting Propagation of *Aegiphila brachiata* Vell.”. 1º Simpósio do Programa de Pós-graduação em Agronomia-Produção Vegetal, Curitiba, Brazil. 14-16 October.
- 2019 – **Foladori-Invernizzi, S.** Rooting of *Rosmarinus officinalis* L.: cutting length x IBA concentration”. 11ª Semana Integrada de Ensino, Pesquisa e Extensão (SIEPE), Federal University of Paraná, Curitiba, Brazil. 23-26 September.
- 2017 - **Foladori-Invernizzi, S.**; “Iniciação à docência: educação ambiental com enfoque interdisciplinar”. VIII Seminário de Teoria e Prática de Ensino. Curitiba, Brazil. 20-22 November.
- 2016 – **Foladori-Invernizzi, S.**; Lourençon, V. “Entre irmãos: utilizando contos no ensino de Ciências Sociais”. VI Encontro Nacional das Licenciaturas (ENALIC). Curitiba, Brazil. 14-16 December.
- 2015 - Forstner, A.; Lago, C.; Santos, E.; Faustino, J.; Santos, M.; Gouvêa, P.; **Foladori-Invernizzi, S.** “Gincanas e feiras de Ciências como estimuladores do pensamento científico”. Encontro das Licenciaturas da região sul, Lages, Brazil. 12 October.

CONFERENCE ORGANIZATIONS

- 2016 – Assistant of the organizing committee of IV Encontro PBID Ciências Sociais da Região Sul: Escola, liberdade e democracia. Curitiba, Brazil. 18-19 November.
- 2017 – Assistant of the organizing committee of Encontro Paranaense de Educação Ambiental (EPEA). Curitiba, Brazil. 17-20 May.

LANGUAGES

PORTUGUESE, FIRST LANGUAGE

Almost all years of studies, including a bachelor's degree.

SPANISH, MOTHER TONGUE

With two years of primary school in Mexico and a master's in Spanish in Argentina. TEST CELU in 2019, obtaining advanced level.

ENGLISH

With two years of middle school in the United States of America, and currently, a master's in English in environmental science. TEST TOEFL iBT in 2020, with a total grade of 112 (out of 120).

ITALIAN

With six months as a student exchange in Italy. TEST CILS in 2019 obtaining a B2 level.

GERMAN

Learning, currently taking the B1.1 level.

SKILLS

- Advanced word, excel and power point
- Geographic Information Systems
- Learning & basic knowledge in MySQL, JavaScript, html, PowerBI, software engineering, HYDRUS-1D
- Git/GitHub/GitLab
- R/Python
- SAS
- Zotero

ACTIVITIES AND VOLUNTEER WORK

2022

INTERNATIONAL STUDENTS' ORGANIZATION, UNIVERSITY OF HOHENHEIM

Volunteer at the international organization of the university that provides several activities for new international incoming students.

2020 - 2021

VOLUNTARY COVID-19 TESTER, FEDERAL UNIVERSITY OF PARANA

Volunteer doing tests of SARS-CoV-2 for the asymptomatic community of the same university.

2018 - 2019

VOLUNTARY TUTOR, FEDERAL UNIVERSITY OF PARANA

Volunteer tutor during three semesters in the genetics department.

2017 - ONGOING

SERVAS INTERNATIONAL: PEACE AND UNDERSTANDING THROUGH TRAVEL AND HOSTING, <https://servas.org/>

Volunteer program of exchange.