JEANNE FRANCO

Searching for a post-doctoral position in Ecology

Bachelor in Ecology, Master in Forest Sciences and PhD in Ecology from the Universidade Federal do Rio Grande do Norte. During my graduate and doctoral studies I gained experience evaluating the effect of native tree and herbaceous species diversity on the ecological restoration of degraded semi-arid environments. During my master's degree I conducted field investigations to evaluate the natural regeneration of tree species in a mangrove area. I am interested in restoration ecology, plant ecology, invasive exotic species, recovery of degraded areas, data science with R Software, and scientific outreach.

🎓 EDUCATION

2009
|
2014

Universidade Federal do Rio Grande do Norte - UFRN
B.S. in Ecology   📍 Natal, RN, Brazil

2015
|
2017

Unidade Acadêmica Especializada em Ciências Agrárias - UFRN
M.S. in Forestry Sciences   📍 Jundiaí, RN, Brazil

2018
|
2022

Universidade Federal do Rio Grande do Norte - UFRN
PhD in Ecology   📍 Natal, RN, Brazil

🖥 COMPETENCIES

Restoration ecology in semi-arid environments

· Research and publications in the area of restoration ecology. During my doctorate I analyzed the effect of the diversity of tree species in the restoration of degraded environments of the Caatinga. I also analyzed the invasion process of exotic species in degraded environments dominated by herbaceous species.

Species identification

· Production of a field guide on herbaceous, climbing, subshrub, and shrub species found in the semi-arid Caatinga region.

Restoration ecology in mangrove forests

· Evaluation of the natural regeneration of arboreal vegetation, soil quality (pH and temperature) and water quality (salinity) over time in a mangrove area degraded.

Scientific graphs with the *ggplot2* package

· About 10 years of experience in R with producing detailed and elegant graphs. I produce bar, line, scatter, histogram, density, box-plot and violin plots..

CONTACT INFO

✉ jeanne.raquel02@hotmail.com

in linkedin.com/in/francojra

github.com/francojra

📞 +55 (84) 99978-1275

SKILLS

Research with ecological restoration and species identification in semi-arid and coastal forest ecosystems;

Studies on invasion of exotic species;

Statistical analysis and modeling, map analysis, visualization and data manipulation in R Software.

Descriptive statistical analyses with the *dplyr* package

• Experience in data manipulation with variable selection and creation, filtering values, calculating averages, errors and standard deviations, and joining tables..

Production of maps with the *maps*, *leaflets* e *ggrepel* packages

• Experience in producing interactive and static maps in R.

Basic knowledge in producing graphics with Python

• Production of bar, line, scatter, histogram, and box-plot graphs, and descriptive statistical analysis.

📖 PAPERS AND ABSTRACTS PUBLICATIONS

2021
The influence of herbaceous vegetation on the colonization of native and invasive trees: consequences for semiarid forest restoration
Revista Restoration Ecology
Authors: Franco, J. R. A.; Paterno, G. B.; Ganade, G.

2016
Franco, J. R. A.; Paterno, G. B.; Ganade, G. Efeito da Vegetação de Áreas Degradadas sobre a Invasão da Espécie *Leucaena leucocephala*
I Congresso Internacional da Diversidade do Semiárido (Paper/Congress Presentation)
Authors: Franco, J. R. A.; Paterno, G. B.; Ganade, G.

2021
Efeito da diversidade de arbóreas na vegetação herbáceo-arbustiva durante a fase inicial de restauração ecológica
III Conferência de Restauração Ecológica e I Seminário de Sementes Nativas (Paper Presentation/Conference or lecture).
Authors: Franco, J. R. A.; Ganade, G.

2020
Relação Evolutiva entre Espécies de uma Área do Semiárido em Processo de Restauração
I Simpósio Digital de Sistemática e Evolução de Plantas (Paper/Symposium Presentation)
Author: Franco, J. R. A.

2019
Florística do Estrato Herbáceo em Áreas Degradadas da Caatinga
I Simpósio de Ecologia e Conservação do Semiárido
Authors: Franco, J. R. A.; Paterno, G. B.; Ganade, G.

2019 • **Papel da Diversidade, das Relações Filogenéticas e de Fatores Abióticos nas Interações entre Espécies do Semiárido**
Seminários em Ecologia (Paper/Seminar Presentation).
Authors: Franco, J. R. A.; Ganade, G.

2019 • **Efeito da paisagem e da densidade de indivíduos sobre a estrutura etária da carnaúba (*Copernicia prunifera*)**
I Simpósio de Ecologia e Ciências Multidisciplinares (Paper/Symposium Presentation)
Authors: Franco, J. R. A.; Bezerra, P. E. S.; Brito, S. S. H.; Venticinque, E. M.

2013 • **Análise da quantidade de plântulas de *Leucaena leucocephala* em dois parâmetros: distância em relação à planta mãe e cobertura do solo**
XII Simpósio do Centro de Biociências: Empreendedorismo e Inovação em Biociências (Paper/Symposium Presentation)
Author: Franco, J. R. A.

2012 • **Ação Integrada: conhecimento, ética e eficiência: ações para o manejo da população de felinos domésticos (*Felis silvestris catus*) abandonados na área do campus central da UFRN**
Semana de Ciência, Tecnologia e Cultura (Paper Presentation/Communication)
Authors: Franco, J. R. A.; Silva, H. P. A.

📁 SCIENTIFIC PROJECTS

2017 | 2022 • **Desenvolvimento de técnicas avançadas de restauração de ecossistemas degradados de Caatinga, Mangue, Duna e Floresta Amazônica**
Coordinator: Gislene Ganade

2013 | 2014 • **Restauração de Caatinga visando o funcionamento e a resistência à desertificação dos sistemas semiáridos**
Coordinator: Gislene Ganade

2012 • **Conhecimento, Ética e Eficiência: Ações para o manejo da população de felinos domésticos (*Felis silvestris catus*) abandonados na área do Campus Central da UFRN**
Coordinator: Helderes Peregrino Alves da Silva

👥 ORIENTATIONS AND PARTICIPATION IN ADVISORY COMMITTEE

2019 • **Guia de Campo Herbáceas da Caatinga. Scientific Initiation. Universidade Federal do Rio Grande do Norte. Advisor: Jeanne Raquel de Andrade Franco.**
Undergraduate students in Ecology: Cássia Ferreira de Oliveira; Virgínia Silva Maciel; Ana Paula Melo da Silveira.

2020   **Ganade, G.; Marinho, F. P.; Franco, J. R. A. Efeito da Serrapilheira Foliar de Espécies Herbáceas sobre a Decomposição Foliar de Espécies Arbóreas na Caatinga. Course Conclusion Paper (Bachelor in Ecology). Universidade Federal do Rio Grande do Norte.**
Undergraduate student in Ecology: Néstor Eduardo Sicolo.

✺ CERTIFICATIONS IN ECOLOGY

2011   **Training in Recuperation of Degraded Areas**
12 horas

2012   **Environmental Education and Sustainability**
40 horas

2012   **Environmental Valuation**
6 horas

2013   **Logical Method for Scientific Writing**
12 horas

2016   **Course in Initiation to Teaching**
45 horas

2018   **Phylogenetic analysis using molecular data**
6 horas

2019   **Introduction to QGIS software**
4 horas

2019   **I Minicourse on Vectorization of Scientific Design**
4 horas

2020   **How to prepare, evaluate, publish and disseminate a scientific paper**
8 horas

2021   **Non Timber Forest Products: Residues or Products**
12 horas

2022   **Academic Planning Workshop - Research in Practice**
8 horas

📄 CERTIFICATIONS IN R AND PYTHON LANGUAGES

2013   **Randomization Techniques in Biostatistics using R**
6 hours

2019   **Introduction to R software**
4 hours

2019   **Introduction to the R language for ecology and related areas**
8 hours

2019   **Entering the world of Python for Data Science**
8 hours

2020 ● **Introduction to Phylogenetic Ecology with R**
5 hours

2020 ● **Generalized Linear Models in R**
8 hours

2021 ● **Reports and Presentations in RMarkdown**
4 hours

2021 ● **Introduction to Big Data**
4 hours

2021 ● **Introduction to R**
15 hours

2021 ● **Introduction to Tidyverse**
15 hours

2022 ● **Data Science with R**
7 hours

2022 ● **Tidyverse universe: transforming data with the dplyr package**
4 hours

2022 ● **Meta-analysis: an introduction with metadigitise e metafor packages**
4 horas

2022 ● **Tidyverse universe: from R to SQL with dbplyr packages**
4 horas

🖥️ EXPERIENCE TEACHING THE R LANGUAGE

2022 ● **Data visualization with ggplot2 e dplyr**
R Ladies Ribeirão Preto

2022 ● **Plots in R with ggplot2**
Beta Analítica

2022 ● **Graphical foundations of the ggplot2**
Beta Analítica

2021 ● **R for beginners**
R-Ladies Natal

2021 ● **Introduction to RMarkdown**
R-Ladies Natal

2020 ● **Producing ggplot2 graphs in a few minutes**
R-Ladies Natal

2020 ● **Introduction to R: Step by step for beginners**
R-Ladies Natal

2020 ● **Data visualization in R with ggplot2**
| Beta Analítica
2021

2020   ● **Webnar: Producing graphs ggplot2 in R**
Beta Analítica

💼 VOLUNTARY AND PROFESSIONAL EXPERIENCE

2020   ● **R-Ladies Natal**
| R-ladies is a worldwide organization with a mission to promote
2022   diversity gender through events and course applications using the
software R.

2020   ● **Beta Analítica**
| Company that assists in statistical analysis consultancies.
2022

🌐 FOREIGN LANGUAGES

● **Basic Spanish**

· Course at Fundação de Apoio a Educação e ao Desenvolvimento
  Tecnológico do RN (FUNCERN) – 72 hours
· Proficiency test score at Departamento de Língua e Literatura
  Estrangeiras (Universidade Federal de Santa Catarina) – 9.5

● **Intermediate English**

· Full course (FUNCERN) – 3 years
· Course at Núcleo de Línguas da UFRN (Programa Idiomas sem
  Fronteiras) – 48 hours
· Course My English Online – 60 hours
· TOEFL ITP score – 450
· Proficiency test score COMPERVE (UFRN) – 8.1