



## Curriculum Vitae of Natalia Zoe Joelson

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## Education

November 2021 – Current

PhD in Biological Diversity and Ecology | GEORG-AUGUST UNIVERSITY SCHOOL OF SCIENCE (GAUSS) | Goettingen | Germany

Research associate for the KLIMNEM Project, a research project for the sustainable management of temperate forests under climate change

March 2015-October 2021

Licenciatura en Ciencias Biológicas | UNIVERSIDAD NACIONAL DEL COMAHUE | S.C. de Bariloche | Rio Negro | Argentina.

Courses and thesis in Spanish. Thesis title: “El rol de tres especies de hongos ectomicorrícicos en la tolerancia a la sequía de *Pinus ponderosa*” Average of grades: 9,40/10,00. Historical average of grades: 7,65 /10,00.

January 2018- April 2018

Scholarship Friends of Fulbright | UNIVERSITY OF MASSACHUSETTS | Amherst | Massachusetts | United States of America

Fulbright Scholarship to take a course of Plant Physiology and an English course in the University of Massachusetts in Amherst.

March 2013-September 2015

Naturalist Guide (Guia de turismo profesional) | INSTITUTO DE EDUCACIÓN SUPERIOR TÉCNICO PROFESIONAL | S.C de Bariloche | Rio Negro | Argentina

## Academic experience

November 2021 – Current

Research associate | HAWK University of Applied Sciences and Art | Goettingen

Research associate for the KLIMNEM Project, a research project for the sustainable management of temperate forests under climate change

September 2020 – October 2021

Contributing Author | IPBES (Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services) | Remote

Compiling and unifying information from different databases.

March 2018 – December 2018

Teaching Assistant | General Ecology for Biology major, Universidad Nacional del Comahue | S.C de Bariloche | Rio Negro | Argentina

Assisting classes and guiding students for their experimental work for the subject.

March 2018 – June 2019

Internship | INTA (National Institute of Agricultural Technology) | Animal Health Department | PICT 2017-0900 "Intoxicación por plantas en Patagonia: Caracterización morfológicatoxigénica y molecular de hongos endófitos asociados" | S.C de Bariloche | Rio Negro | Argentina

Isolating cultures of endophyte fungi from plant seeds. Collecting field samples. DNA extraction.

February 2016

Internship | University of Tennessee | Ecology and Evolutionary Biology Department |  
Project name: "Caracterización y efectividad de las áreas protegidas: estudio  
comparativo de comunidades de micromamíferos" Año 2016| S.C de Bariloche

Setting traps for small mammals and measuring body features. Collecting field samples.

December 2015 – Current

Naturalist Tour Guide | Nahuel Huapi National Park| Los Glaciares National Park|  
Patagonia | Argentina

Leading boat and hike tours within the National Parks. Sharing information about native  
ecosystems for national and international visitors.

## Scientific and outreach publications

Martinez, A., Robles, C. A., Roper, J. M., Gardner, D. R., Neyaz, M. S., Joelson, N. Z., &  
Cook, D. (2019). Detection of swainsonine-producing endophytes in Patagonian  
Astragalus species. *Toxicon*, 171, 1-6.

Martinez, A., Joelson, N. Z., Bain, L., y Robles, C. A. (2020) Nuestros yuyos que matan.  
Asociaciones plantas-hongos toxicas para el ganado. *Desde la Patagonia* 17(29) 2-9

Bladauskas, M., Fioroni, F., Joelson, N. Z., Nunes, C. I. y Stecconi, M. (2021) Plantas  
patagónicas en red, una experiencia virtual en tiempos de pandemia. *Desde la Patagonia*  
18 (31) 46-47.

## Languages

Spanish | Native speaker

English | TOEFL IBT | Council of Europe Level C1 | ETS (Educational Testing Service)  
10/01/2022 | Score: 107

Italian | ISTITUTO DANTE ALIGHIERI BARILOCHE | Council of Europe Level B1

German | GAUSS/GGNB | Council of Europe Level A1.2

## Further trainings and participations

July 2022

64th IAVS ANNUAL SYMPOSIUM| Madrid | Spain

Poster presentation. Title “Vegetation composition along elevational and longitudinal gradients in north-western. In Madrid and Virtual from June 27<sup>th</sup> to July 1<sup>st</sup> 2022.

March 2018

II INTERNATIONAL SYMPOSIUM: MYCORRHIZAL SYMBIOSIS | S.C de Bariloche | Rio Negro | Argentina

Participation as collaborator. CONICET PATAGONIA NORTE. UNIVERSIDAD NACIONAL DEL COMAHUE. S.C Bariloche.

March 2017-December 2020

Extension projects and social work in Universidad Nacional del Comahue | S.C de Bariloche | Rio Negro | Argentina

Projects: “Intercambio de saberes en el Barrio Nahuel-Hue” 2017, “Feria de Plantas Solidaria” 2016-2019, “Reutilización de bagazo cervecero en alimentación humana” 2020