

# Verónica Bergottini

39 years old

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Ciudad de Buenos Aires

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## Work Experience

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### *Professor- Scientist*

Laboratory of Environmental Biotechnology  
Universidad Argentina de la Empresa (UADE)

**April 2018 - Now**

### Courses :

General Microbiology for Biotech and Food Engineer (2018-2022)

Ecology for Environmental Management (2018-2022)

Biotechnology for Agricultural Management (2018-2023)

### *Professor*

*Biomaterials and design*  
Universidad Torcuato Di Tella, Argentina

**April 2022 - Now**

Karu Fermentos  
Production of Kombucha  
R+D in Biomaterials  
Entrepreneur

**March 2018 - Now**

Laboratory responsable  
Kwell levaduras

**February 2017 – January 2018**

Doctoral assistant in Microbiology Course  
University of Neuchatel, Switzerland

**Sep. 2014- May 2015**

## Education

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PhD., Biological Sciences  
University of Neuchâtel, Switzerland

**Sep. 2013- May 2015**

Dissertation: Assessing the role of native Plant Growth Promoting Rhizobacteria (PGPR) associated with Yerba Mate (*Ilex paraguariensis*) as bio-inoculants for this crop.

BSc., Genetics  
National University of Misiones, Argentina

Dissertation: Genetic diversity, molecular taxonomy and symbiotic efficiency of rhizobia populations that nodulate *Lotus tenuis* to formulate inoculants adapted to saline-alkaline soils in the Salado River Basin.

Hindenburg Schule  
Primary and Secondary School  
Eldorado, Misiones

## Conferences and courses dictated

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2023

Poster. Aerogeles de celulosa bacteriana obtenidos del subproducto de la Kombucha. Congreso Argentino de Tecnología de Alimentos. Buenos Aires

Poster. Caracterización de una nanored de celulosa bacteriana como potencial carrier de esporas de *Trichoderma*. Red Biotecnología Argentina, Buenos Aires.

2021

Poster. Analisis estructural de la membrane de celulosa bacteriana del residuo de la Kombucha. 6° Simposio Argentino de Procesos Biotecnológicos. Posadas

Invited professor for the workshop of expeculative biomaterials. Universidad Torcuato di Tella.  
Biomateriales summer course. Universidad Torcuato di Tella.

2020

Invited professor for the workshop of expeculative biomaterials. Universidad Torcuato di Tella.

2019

Póster. Evaluación del efecto de biofertilización y biocontrol de *Trichoderma* como potenciales inoculantes para rúcula (*E. sativa*). XV Congreso argentina y Ambiente. Universidad Jauretche.

Invited expositor at Feria Puro Diseño, Pensar el Diseño Triple Impacto, Espacio de emprendedores sustentable con triple impacto de la Secretaría de Ambiente de la Nación.

Poster. Desarrollo de un Inoculante microbiano para la horticultura sustentable en el XV Congreso Argentino de Microbiología (CAM)

Oradora invitada en EcoPremios Argentina, Godoy Cruz, Mendoza.

Invited expositor at Seminario Tierra Sin Mal, Karu biodiseño consciente, Posadas, Misiones

Invited professor at Jornada del Día del Medio Ambiente, Universidad Nacional de Misiones.

2018

Invited expositor at Ruta del Diseño e Innovación Sustentable, Espacio Buenos Aires. "Biofabricación de materiales para la moda"

Invited expositor at Catedra Bonilla FADU-UBA Biotecnología aplicada a la moda

Invited expositor at TEDx Rio de la Plata, Buenos Aires, Argentina. "Biotextiles and design using Yerba Mate".  
<https://www.youtube.com/watch?v=dJOsGGi87QU&t=1s>

Invited expositor at 12<sup>th</sup> Design Week of Buenos Aires, Argentina. "Biofabrication of sustainable materiales",

2015

Invited expositor at the Argentinian Pavilion in Expo Milan, Italy. "Health benefits of Yerba Mate consumption." National Institute of Yerba Mate (INYM).

Invited expositor at IX Jornadas Científico Tecnológicas de la Facultad de Ciencias Exactas, Químicas y Natural, UnaM. "Effects of bio-inoculation with PGPR on Yerba Mate productivity."

2014

Poster, 15<sup>th</sup> International Symposium of Microbial Ecology. Seoul, South Korea. "Bio-inoculation of yerba mate with plant growth promoting rhizobacteria: a sustainable alternative for increasing crop yield."

Poster, 72<sup>nd</sup> Annual Assembly of the Swiss Society for Microbiology, Fribourg, Switzerland. "Plant Growth Promoting Rhizobacteria: a sustainable strategy to improve Yerba Mate growth in low fertility soils."

Poster, 5<sup>to</sup> Congreso Sudamericano de Yerba Mate. Montevideo, Uruguay. "Efecto de la inoculación con bacterias promotoras del crecimiento vegetal en plantines de Yerba Mate."

2013

Poster, 5<sup>th</sup> Swiss Microbial Ecology Meeting. Murten, Switzerland. "Screening for plant growth promoting rhizobacteria (PGPR) as inoculants for *Ilex paraguariensis*".

Poster, Jornadas Científico Tecnológicas de la Universidad Nacional de Misiones, Posadas, Argentina. "Aislamiento y caracterización de bacterias promotoras del crecimiento vegetal asociadas a la Yerba Mate".

## Awards

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Embassador of PROESUS Program 2020. National Minister of Environment	2019
Innovar Award - Category Entrepreneur	2019
Finalist of WISE Awards(Women in STEM) – IAE	2019
Semifinalist of NAVES NACIONAL –IAE	2019
Finalist of the Talent Brother Awards. Sustainable Fashion Edition EAMODA	2017
Academic prize granted to 1 PhD thesis among many thesis from different disciplines of the Faculty of Sciences, University of Neuchâtel	2015
Swiss Government Excellence Scholarships for Foreign Scholars - Research internship	2011-2013
Scholarship of the Comité Ejecutivo de Desarrollo e Innovación (CEDIT) - Research internship	2010-2011
Scholarship of the Agencia Nacional de Promoción Científica y Tecnológica. Research	2009-2010

## Publications

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**Bergottini V**, Bernhard Dana. Bacterial cellulose aerogel enriched in nanofibers obtained from Kombucha SCOBY byproduct. (2023) *Materials Today Communications*

Garcia Casalli F, et al., **V Bergottini**. (2020) *Trichoderma* –based inoculants an eco-friendly option to enhance *Eruca sativa* and *Lactuca sativa*. productivity and sanity. *Innova UNTREF*

**Bergottini V**, Herve Vincent, et al. *Applied Soil Ecology* (2017) Exploring the diversity of the root-associated microbiome of *Ilex paraguariensis* St. Hil (Yerba Mate)

**Bergottini V**, Otegui M, Sosa D, et al. *Biology and Fertility of Soils*. (2015) Bio-inoculation of yerba mate seedlings (*Ilex paraguariensis* St. Hill.) with native plant growth promoting rhizobacteria: a sustainable alternative to improve crop yield.

**Bergottini V**, Filippidou S, et al. *Genome Announcement* (2015) Genome Sequence of *Kosakonia radicincitans* Strain YD4, a Plant Growth-Promoting Rhizobacteria isolated from yerba mate (*Ilex paraguariensis* St. Hill.).

Sannazzaro AL\*, **Bergottin V\***, et al. \*Equally contributed. *Antonie van Leeuwenhoek* (2011) Comparative symbiotic performance of native rhizobia of the Flooding Pampa and strains currently used for inoculating *Lotus tenuis* in this region.

## Languages

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Spanish	native
Portuguese	advance
English	advance - First Certificate of Cambridge 2001
French	intermediate
German	intermediate - Deutsches Sprachdiplom I and II

## Creative production

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- Documental publicity for Ford Argentina "El camino del cambio". September 2021  
<https://www.youtube.com/watch?v=ZZMyiHrvjD4>
- Biofabrication applied to design. Tech Fashion Week de Nueva York, Noviembre 201