

# VERONICA BRUNO

Research fellow

Contacts:

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## PROFESSIONAL EXPERIENCE

### **RESEARCH FELLOW IN AGRONOMY**

15<sup>th</sup> of November 2023 – ongoing

*Alma Mater Studiorum* – University of Bologna, Italy. Supervisor: Prof. Cesare Accinelli

### **RESEARCH PERIOD ABROAD**

18<sup>th</sup> of June 2023 – 22<sup>nd</sup> of September 2023

Seed Laboratory, Oregon State University, Corvallis, OR, USA. Supervisor: Prof. Sabry Elías

### **TUTOR OF “GENERAL AGRONOMY” COURSE, BACHELORS’S DEGREE IN AGRICULTURAL TECHNOLOGY**

A.A. 2022-2023

*Alma Mater Studiorum* – University of Bologna, Italy

### **Ph.D. CANDIDATE IN AGRICULTURAL, ENVIRONMENTAL AND FOOD SCIENCES AND TECHNOLOGIES - XXXVI CYCLE**

2020 – 2023

*Alma Mater Studiorum* - University of Bologna, Italy

"Bio-based formulations for agronomic applications". Research topic: Agronomy. Supervisor: Prof. Cesare Accinelli

### **RESEARCH FELLOW**

2019- 2020

*Alma Mater Studiorum* - University of Bologna, Italy

"Agronomic applications of new bio-based techniques". Research topic: Agronomy. Supervisor: Prof. Alberto Vicari



## **EDUCATION AND TRAINING**

### **MASTER'S DEGREE IN FOOD SCIENCE AND TECHNOLOGY**

2016 – 2019

*Alma Mater Studiorum* - University of Bologna, Campus of Food Science, Cesena, Italy

Graduation mark: 107/110

Thesis Topic: By-products of Food Industry enhancement, "Use of lactic acid bacteria strains and by-products of the agri-food industry for the formulation of a functional food". Supervisor: Prof. Lucia Vannini

### **BACHELOR'S DEGREE IN FOOD TECHNOLOGY**

2013 – 2016

*Alma Mater Studiorum* - University of Bologna, Campus of Food Science, Cesena, Italy

Graduation mark: 100/110

Thesis Topic: Industrial Microbiology, "Functional and prebiotic analysis of residues of the food industry". Thesis supervisor: Prof. Lucia Vannini

### **"CLASSICAL LYCEUM" HIGH SCHOOL DIPLOMA**

2008 – 2013

Manduria, Taranto, Italy



## **STUDY PLACEMENTS AND AWARDS**

### **CURRICULAR TRAINING (100 HRS)**

May- June 2019

*Alma Mater Studiorum* - University of Bologna, Campus of Food Science, Cesena, Italy

Research topic: Evaluation of the antimicrobial activity of agri-food by-products, study of lactic bacteria strains with presumed probiotic activity. Supervisor: Prof. Lucia Vannini

### **BIOWAYS, TARTU, ESTONIA**

27 - 28 April 2018

Winner of a study award promoted by *Alma Mater Studiorum* - University of Bologna, Italy

Participation in an event organized as part of the activities of the BLOWAYS project (GA 720762) aimed at identifying innovative solutions and strategies in the field of bio-economy, biotechnology, and biomedicine.

### **CURRICULAR TRAINING (125 HRS)**

March 2016 – May 2016

*Alma Mater Studiorum* - University of Bologna, Campus of Food Science, Cesena, Italy

Working issues: In vitro evaluation of the prebiotic activity of the food industry's by-products. Supervisor: Prof. Lucia Vannini



### **SEMINAR AND CONFERENCE**

#### **AGRONOMIC ROLE OF SOIL ORGANIC MATTER**

22 April 2022

*Alma Mater Studiorum* - University of Bologna, Italy  
Seminar A.A. 2021/2022

#### **SEED TREATMENT**

December 2021

*Alma Mater Studiorum* - University of Bologna, Italy  
Seminar A.A. 2021/2022

#### **SUSTAINABLE AGRICULTURE AND INNOVATION**

20 February 2020

*Alma Mater Studiorum* - University of Bologna, Italy.  
Authors: C. Accinelli, V. Bruno, A. Vicari



### **LANGUAGE SKILLS**

**MOTHER TONGUE:** Italian

**ENGLISH:** B2 (writing, speaking, and reading)

#### **ACADEMIC ENGLISH SKILLS**

October - December 2021

*Alma Mater Studiorum* – University of Bologna, Italy  
48 hrs course



## **PUBLICATIONS AND PROCEEDINGS**

Accinelli Cesare, Abbas Hamed K., Chiara Morena, Veronica Bruno, Vivek H. Khambhati, Ryan T. Paulk, Nathan S. Little, Nacer Bellaloui, Walker Forbes, W. Thomas Shier. Use of a biochar-based formulation for coating corn seeds. Accepted (13/11/2023) at Cogent Food & Agriculture.

Accinelli Cesare, Veronica Bruno, Hamed K. Abbas, Chiara Morena, Vivek H. Khambhati, Alberto Vicari, W. Thomas Shier. Microplastic uptake by terrestrial birds: from observation to development of a novel seed coating approach to prevent bird predation of corn seeds. Submitted (Aug. 2023) Environmental technology & innovation.

Accinelli Cesare, Veronica Bruno, Chiara Morena. Brevetto n. 102023000000675, SEME RIVESTITO, METODO E MACCHINA PER RIVESTIRE UN SEME, 2023.

Accinelli, Cesare, Hamed K. Abbas, Veronica Bruno, Vivek H. Khambhati, Nathan S. Little, Nacer Bellaloui, and W. Thomas Shier. "Field studies on the deterioration of microplastic films from ultra-thin compostable bags in soil." *Journal of Environmental Management* 305 (March 2022): 114407. <https://doi.org/10.1016/j.jenvman.2021.114407>

Accinelli, Cesare, Hamed K. Abbas, Veronica Bruno, Alberto Vicari, Nathan S. Little, M. Wayne Ebelhar, and W. Thomas Shier. "Minimizing abrasion losses from film-coated corn seeds." *Journal of Crop Improvement* 35, no. 5 (September 3, 2021): 666–678. <https://doi.org/10.1080/15427528.2020.1861156>

Accinelli, Cesare, Hamed K. Abbas, Veronica Bruno, Lorenzo Nissen, Alberto Vicari, Nacer Bellaloui, Nathan S. Little, and W. Thomas Shier. "Persistence in soil of microplastic films from ultra-thin compostable plastic bags and implications on soil *Aspergillus flavus* population." *Waste Management* 113 (July 2020): 312–318. <https://doi.org/10.1016/j.wasman.2020.06.011>

Vannini, Lucia, Giorgia Gozzi, Veronica Bruno, Beatrice Cellini, "Valorization of agri-food by-products as functional ingredients for soft cheeses." in: *Proceedings of 2nd International E-Conference on NUTRITION AND FOOD SCIENCE* (06-07 September 2021): p. 21

Gozzi, Giorgia, Veronica Bruno, Beatrice Cellini, Rosalba Lanciotti, Lucia Vannini, "Improvement of "primo sale" cheese with functional food by-products and probiotic bacteria." in: F. Danesi, *6th International Conference on Foodomics - From Knowledge to industry, From Industry to knowledge* (Cesena, 14-16 October 2020): p. 65

Vannini, Lucia, Giorgia Gozzi, Veronica Bruno, Alice Mascotelli, Ana Cristina De Aguiar Saldanha Pinheiro, Silvia Tappi, Rosalba Lanciotti. "Exploitation of food industry by-products and lactic acid bacteria from fecal samples to produce innovative and functional foods." *Book of abstract Microbial Diversity* (Catania, 25-27 September 2019): pg. 287-288

