



# ENRICO FRANCIA

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## ADDITIONAL INFORMATION

- Office (Padiglione Besta): +39 0522-52.2003
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## SUMMARY

Faculty member of the Department of Life Sciences at UNIMORE. He is coordinator of the Master's Degree Program 'Integrated Sustainability of Agricultural Systems' (SISTA, LM-69) and is a member of the Degree Council 'Agricultural Food Science and Technology' (STAA, L-25/26). He is member of the joint 'Agri-Food Science, Technology and Biotechnology' (STEBA) Ph.D. program, offered by UNIMORE in collaboration with the University of Almeria (Spain), Agricultural University of Plovdiv (Bulgaria), Agricultural University of Iceland (Iceland), and Polytechnic Institute of Coimbra (Portugal) as part of the UNGreen Alliance.

Vice Director of the Interdepartmental Center BIOGEST-SITEIA, which focuses on the improvement and enhancement of agrifood biological resources at UNIMORE. He is a member of the Center's Council, of the Scientific Committee, and coordinates the 'Science, Technology, and Protection of Commodities' area. He is representing UNIMORE at national and regional levels in various contexts and public-private organizations.

## EXPERIENCE

**ASSOCIATE PROFESSOR IN AGRONOMY**, 03/2006 - Current

**University of Modena and Reggio Emilia**, Reggio Emilia, Italy

### AREAS OF SCIENTIFIC INTEREST DEVELOPED OVER TIME

- Agronomic and genomic factors for sustainable and high-quality production intensification
- Eco-physiological responses of agriculturally important species to environmental stresses
- Molecular aspects of environmental adaptation in small grain cereals
- Identification of tomato ideotypes for low-input cultivation
- Use of biostimulants for qualitative and quantitative improvement of production
- Valorization of biogas plant digestate for the production of innovative fertilizers
- Morphophysiological and molecular aspects of crop interactions with beneficial soil microorganisms (AMF and PGPB)

### PUBLICATIONS

- Author of 84 Scopus indexed scientific articles (71 peer reviewed articles, 4 review articles, 5 conference papers, and 4 book chapters).
- Scopus ID: 22953293200

- ORCID: [orcid.org/0000-0001-8709-1002](https://orcid.org/0000-0001-8709-1002)

#### **REVIEWER ACTIVITY**

- Since 2014, Associate Editor of the journal CSIRO-Crop & Pasture Science (ISSN 1836-5795).
- Since 2008 Reviewer for several scientific journals and reviewed several project proposals for Italian and foreign government organizations.
- 2019-2021, Guest Editor for the Special Issues "Organic vs. Conventional Cropping Systems" and "Sustainable Agronomic Strategies for Enhancing Tomatoes Yield and Nutritional Quality" for the journal MDPI-Agronomy (ISSN 2073-4395).

#### **FUNDING (last 10 years)**

He conducted/contributed to the following projects:

- 2013-2015 "*ER-Flower - Cultivation technique and variety of flowering courgette for the production of food specialties*" (funded by the Emilia Romagna Region, Sisma 2012 call). Duration 24 months. Euro 101,964
- 2016-2018 "*Smart Wheat Identification of low-impact wheat varieties on subjects genetically predisposed to celiac disease for the development of food products capable of preventing its onset*". Emilia Romagna Region funding POR-FESR2014-2020 call. Duration 24 months. Euro 219,306 (total project Euro 1,049,158).
- 2016-2018 "*Genbacca - New genotypes tolerant to biotic and abiotic stress for sustainable management in grapevine and industrial tomato*". Emilia Romagna Region funding POR-FESR2014-2020 call. Duration 24 months. Euro 332,088 (total project Euro 1,121,519).
- 2019-2022 "*Structuring and enhancement of the mountain potato supply chain*". Duration 24 months. Rural Development Program PSR 2014-2020 Emilia Romagna Region – FOCUS AREA 3A (Det. Num. 15702 of 08/30/2019). Euro 156,407.
- 2019-2022 "*Use of biomass from industrial hemp for the production of energy and new biochemicals - UNIHEMP*" (ARS01\_00668). MIUR funding, PNR Action 2015-2020 - specialization area "Green Chemistry". Duration 36 months. Euro 583,121 (project total Euro 6,735,045).
- 2020-2022 "*Effects on crops and soil of a fertilizer/biostimulant from animal and vegetal organic compounds for the Ligurian territory. FISH (Hydrolyzed Fertilizer Soil and Habitat)*". Duration 27 months. Rural Development Program PSR 2014-2020 Liguria Region M16.02 Euro 96,982 (project total Euro 360,096).
- 2024-2026 "*Climavip*" project. Funding by the Emilia Romagna Region, PR-FESR2021-2027 call. Duration 30 months. Euro 201,271 (total project Euro 679,675).

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#### **ASSISTANT PROFESSOR OF AGRONOMY**, 03/2006 - 12/2019

**University of Modena and Reggio Emilia**, Reggio Emilia, Italy

- Worked closely with members of the Crop Production group (PI Prof. N. Pecchioni) to define objectives and guide research.
- Designed and delivered engaging lectures in Agronomy and Crop Science to undergraduates, fostering critical thinking and knowledge application.
- Conducted cutting-edge research in crop-environment interaction, contributing to several published papers in indexed journals.
- Participated actively in departmental meetings, contributing to curriculum development and departmental strategy.

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#### **VISITING SCIENTIST**, 08/2002 - 09/2002

**Delaware Biotech Park, University of Delaware**, Newark, DE, USA

- Discovery and analysis of SNP polymorphisms in crops working at the project "*Single nucleotide polymorphisms and haplotype diversity in maize*"
- Analysed complex data sets using statistical software, providing insightful findings for ongoing and future research projects.

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## SKILLS

- Quality enhancement of BSc and MSc courses in agricultural sciences
- Field and laboratory research concerning cereals and horticultural crops
- Personal tutoring of PhD and undergrad students
- Funding proposal development and research project management

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## EDUCATION

**University of Milan "La Statale"**, Milan, Italy, 2005

**Doctor of Philosophy: Plant Biology**

- Thesis title: "*Study of frost tolerance and acclimation related traits in the 'Nure' x 'Tremois' genetic system*"

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**University of Parma**, Parma, Italy, 2001

**Master of Science: Biological Sciences**

- Thesis title: "*Development of a microsatellite-based map of barley for frost tolerance QTL analysis*"

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## LANGUAGES

**Italian:** First Language

**English:**

Advanced

C1

**French:**

Elementary

A2

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## HOBBIES AND INTERESTS

Gardening offers me a blend of relaxation and creativity. This outdoor activity promotes well-being and physical health.

**Last updated on July 2024**

*I certify that the information provided in this resume is true, correct and complete to the best of my belief and knowledge. It accurately reflects my qualifications and experience, and I authorize the processing of my personal data pursuant to Legislative Decree 101/2018 and art. 13 GDPR (EU Regulation 2016/679) for the purposes of personnel research and selection.*