

## CURRICULUM VITAE



**MARIA LODOVICA GULLINO**

### **ACADEMIC AND PROFESSIONAL QUALIFICATIONS**

2000 Full Professor in Plant Pathology, University of Torino  
1986: Associate Professor in Plant Pathology, University of Torino  
1980: Assistant Professor, Dept. Plant Pathology, University of Torino  
1978: Research fellow, Dept. Plant Pathology, University of Torino  
1975: Internship, Department of Botany, University of Torino

Director of the Centre of Competence for the Innovation in the agro-environmental sector (AGRINNOVA) of the University of Torino (2003-present).

Vice-Rector for the Valorization of the Human and Cultural Resources, University of Torino (2019-2022)

Vice-Rector for the International Affairs of the University of Torino (2008-2013).

Chair of the Committee for International Affairs of the University of Torino (1997-2008).

### **ENTERPRISES AND FOUNDATIONS**

Nazionale Center AGRITECH Foundation, Member of the Board and of the executive council since 2021

Founder and member of: AgrinewTech s.r.l., Mind the Gap, s.r.l. SB

### **THIRD SECTOR**

Founder and Member of weTree (2021)

Founder and President of Associazione Festival Internazionale Agricoltura (2022), which organizes the Festival ColtivaTo.

### **EDUCATION**

1992: Visiting professor, Pennsylvania State University, State College, PA, USA (NATO Senior Fellowship).

1987/1989: Visiting Professors, Cornell University, Geneva, N.Y., USA (Fulbright and National Research Council grants).

1983/1984: Research fellow, University of Maryland, College Park, MD, USA (NATO Science grant).

1982: Research fellow, Agricultural University, Wageningen, The Netherlands (University of Wageningen grant).

1981: Research fellow, Agricultural University, Wageningen, The Netherlands (National Research Council grant).

1980: First International Post-Graduate Course on Fungicide Resistance, Wageningen, The Netherlands.

1975: Laurea in Scienze Biologiche, Università di Torino.

1966/1971: Liceo Classico G.B. Bodoni, Saluzzo.

### **PROJECT EXPERIENCE AND MANAGEMENT**

Consultant of the Italian Ministry of Environment at National and International Workshops and at Intergovernmental Negotiations on topics related to the Montreal and Kyoto Protocols (1994 – 2013).

Member of the board of directors of the Regional Environmental Centre for Central and Eastern Europe, Budapest.

Programme Director of International High Level Courses on Sustainable Development for high officers of Chinese and Central and Eastern Europe Governments at Venice International University (2003 – 2014).

Managed many research projects from EU (FP6, FP7, Horizon2020, Tempus, Life, Europaid), Ministry of University and Research, Ministry of Agriculture,

Ministry of Environment, Regional Governments and Private Industry. Some of the projects (i.e. MED-CAMPUS, Peace Campus) are related with agriculture in the Middle East and in developing countries.

Organized National and International Meetings and Workshops in the field of Plant Disease Management.

Organized courses, at national and international level, for training technicians and researchers working in the extension service in the field of IPM.

Responsible of several international projects in the field of sustainable agriculture for International Agencies.

Responsible of the BS Course in Organic Farming and of the MS Course in Sustainable Agriculture at the University of Torino. Supervised several students in the preparation of their Master and Ph.D. thesis.

Participation in different Committees of Italian Ministry for University and Research (PRIN 2008; Internationalization).

Founder of AgriNewTech S.r.l., an academic spin-off and CEO until 2011.

## **PROFESSIONAL SOCIETY EXPERIENCE**

International Society for Plant Pathology, Vice-President(2003-2008), President (2008-2013), Immediate Past President since 2013

Società Italiana di Patologia vegetale (SIPaV), President, 2017-2019

Associazione Società Scientifiche agrarie, President, 2002-2004

Associazione Italiana Protezione Piante, President, 1999-2004

Member of American Phytopathological Society, International Society Horticultural sciences; Società Italiana di Patologia vegetale, British Society for Plant Pathology.

## **MAIN FIELDS OF RESEARCH**

Sustainable crop protection in the frame of sustainable agriculture and environment protection: development and implementation of environmentally friendly plant protection strategies and transfer of technologies in developing countries and emerging economies, with special reference to China and countries of Central and Eastern Europe.

Plant and food biosecurity: evaluation of the risk of deliberate introduction of plant pathogens; prevention and mitigation. Emerging diseases.

Climate change: effects of climate change on agriculture, food security and plant diseases; mitigation and adaptation.

Biological and integrated control of plant pathogens: selection of biocontrol agents, study of their mechanisms of action, improvement of their activity throughout protoplast fusion and genetic manipulation; evaluation of their activity and of the risks connected with their release into the environment. Evaluation of the risks related to the release of genetically manipulated and not microorganisms.

Resistance to fungicides in fungal pathogens: evaluation of biological characteristics of fungicide resistant strains of several pathogens; dynamic of resistant populations, monitoring of fungal populations; development and implementation of anti-resistance strategies.

Problems related to the use of fungicides and fumigant in plant disease management: technical, economical, social and political implications of plant disease management with restricted pesticides. Environmental aspects of some agricultural practices.

Disease of ornamentals and turfgrass: chemical, biological and integrated control of diseases.

Post -harvest diseases of apples and citrus: chemical and biological control.

Food safety and food security. Mycotoxin prevention.

Plant pathology in the frame of circular health.

Renewable energy sources: biomass; compost.

## **PUBLICATIONS**

Wrote and co-wrote 870 research papers, 270 feature articles and 28 books. Some of the technical publications are in Italian.

Scopus (at 21/01/2024): 629 international publications; 9906 citations (6830); h index 48. Professional journalist (Ordine giornalisti n. 099598) since 2003

and author of 7 popular books

Editor of *Informatore Fitopatologico*, scientific Journal belonging to the Il Sole 24 Ore Group (2000-2008) and of *Protezione delle Colture* (ACE International), since 2009. Professional journalist (Ordine giornalisti n. 099598) since 2003 and author of popular books

## **PATENTS**

Spadaro D., Gullino M. L. (2007) Mezzo di coltura per la produzione di *Metschnikowia pulcherrima* e relativo substrato. Italian patent application, TO2007A000583, deposited on august 1, 2007, by the University of Torino.

Spadaro D., Gullino M. L. (2009) Novel strain of *Metschnikowia pulcherrima* and uses thereof. International patent application wo2009/040862 published under the pct on april 2, 2009, by the University of Torino.

Spadaro D., Gullino M. L. (2011) Nuovo ceppo di *Metschnikowia* sp. e suoi usi. Italian patent application to2011a000534, deposited on june 20, 2011 by the University of Torino.

Pugliese M., Gullino M. L. (2011) Nuovo ceppo di *Fusarium solani* e i suoi utilizzi. TO2011A001016, deposited on November 4<sup>th</sup>, 2011. University of Torino.

Rettori A. A., Martinis R., Pugliese M., Gullino M. L. (2017) - Insecticide-containing coating composition and method for protecting palm trees from pests. US application patent number: 20170112126.

## **PRIZES**

2003 - Novamont International Prize on “Sustainable development”

2004 - Special mention at the Salone Nazionale dell’Imprenditoria femminile GAMMA DONNA, organized by the Unione Industriali of Torino, for the innovation and creativity shown with the development of AGROINNOVA

2005 - Van Den Brande Prize, University of Gent

2010 – UNICEF Piemonte, for her work in developing countries

2011 – Fellow of the American Phytopathological Society, for her scientific achievements

2011 – ITWIIN Special Prize for Innovation

2012 – Bogianen Prize, Chamber of Commerce of Torino.

2018 – Fellow of the International Society of Plant Pathology (ISPP)

2020 – Ambassador of the excellences of Torino in the world for her scientific achievements

2023 – Fran E. Fischer Award from ISPP for outstanding contributions to the science of Plant Pathology and to the aims and activities of the ISPP.

## **LANGUAGES**

English: very good in reading, writing and speaking.

French: good in reading and speaking, fair in writing.

Spanish: fair in reading, writing and speaking.

According to law 679/2016 of the Regulation of the European Parliament of 27<sup>th</sup> April 2016, I hereby express my consent to process and use my data provided in this CV.

Updated: January 21, 2024