

PERSONAL INFORMATION

Paolo Cortesi
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 Università degli Studi di Milano
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CURRENT POSITION

Full Professor
Plant Pathology

WORK EXPERIENCE

- 1992 **CNR Research Fellow**
 Department of Plant Pathology, Cornell University, Geneva, NY, USA.
- 1993-1994 **CNR Research Fellow**
 Università degli Studi di Milano e visiting Scientist at Department of Plant Pathology and Department of Horticultural Sciences, Cornell University, Geneva, NY, USA.
- 1994-1996 **Post doc Researcher**
 Università degli Studi di Milano, Istituto di Patologia vegetale and visiting scientist, at Department of Plant Pathology, Cornell University, Ithaca, NY, USA.
- 1998-2002 **Researcher in Plant Pathology**
 Università degli Studi di Milano, Istituto di Patologia vegetale.
- 2002-2004 **Associate professor in Plant Pathology**
 Università degli Studi di Milano, Istituto di Patologia vegetale.
- 2005 **Professor in Plant Pathology**
 Università degli Studi di Milano at:
 - Istituto di Patologia Vegetale (till 2008),
 - Dipartimento di Protezione dei Sistemi Agroalimentare e Urbano e Valorizzazione delle Biodiversità (DiPSA) (till 2012),
 - Dipartimento di Scienze per gli Alimenti la Nutrizione e l’Ambiente (DeFENS) (till now).

EDUCATION AND TRAINING

- 1991 **PhD** t
 Università degli Studi di Milano
- 1986 **Laurea degree in Agricultural Sciences** t
 Università degli Studi di Milano

PERSONAL SKILLS

Mother tongue Italian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	excellent	excellent	fluent	Very good	Very good

- Organisational / managerial skills**
- 2003-2005: Member elected of the Board of Trustee of the University of Milan.
 - 2005-2008: President of the Faculty Board of the course of Plant Protection.
 - 2006-2012: Member of the Patent Board of the University of Milan.
 - 2009-2011: Department Vice-Head.
 - 2011-2012: Department Head.
 - 2011-2017: Member of the editorial board of The Scientific World Journal.
 - 2013-2017: Coordinator elected of the DeFENS Department section.
 - 2013-2018: Member of the DeFENS Department Steering Board.
 - 2016-2018: Member of the Steering Board. Of the PhD course “Food Sciences” University of Milan.
 - 2016 2018: Member of “Abilitazione Scientifica Nazionale SC07/D1”.
 - 2014-now: Member of the Technical and Scientific Committee of ERSAF - Regione Lombardia.

ADDITIONAL INFORMATION

Publications

Most relevant papers:

1. **Cortesi P.**, Gadoury D.M., Seem R.C., Pearson R.C., 1995. Distribution and retention of cleistothecia of *Uncinula necator* on the bark of grapevines. *Plant Disease*, **79** (1): 15-19.
2. **Cortesi P.**, Milgroom M.G., Bisiach M., 1996. Distribution and diversity of vegetative compatibility types in subpopulations of *Cryphonectria parasitica* in Italy. *Mycological Research*, **100** (9): 1087-1093.
3. **Cortesi P.**, Milgroom M.G., 1998. Genetics of vegetative incompatibility in *Cryphonectria parasitica*. *Appl. Environ. Microbiol.*, **64**: 2988-2994.
4. Milgroom M.G., **Cortesi P.**, 1999. Analysis of population structure of the chestnut blight fungus based on vegetative incompatibility genotypes. *Proc. Natl. Acad. Sci. USA.*, Vol. **96** (8): 10518-10523.
5. Robin C., Anziani C., **Cortesi P.**, 2000. Relationship between biological control, incidence of hypovirulence, and diversity of vegetative compatibility types of *Cryphonectria parasitica* in France. *Phytopathology*, **90** (7): 730-737.
6. **Cortesi P.**, Fischer M., Milgroom M.G., 2000. Identification and spread of *Fomitiporia punctata* associated with wood decay of grapevine showing symptoms of Esca disease. *Phytopathology*, **90** (9): 967-972.
7. **Cortesi P.**, McCulloch C.E., Song H., Lin H., Milgroom M.G., 2001. Genetic control of horizontal virus transmission in the chestnut blight fungus, *Cryphonectria parasitica*. *Genetics*, **159**: 107-118.
8. Biella S., Smith M.L., Aist J.R., **Cortesi P.**, Milgroom M.G., 2002. Programmed cell death correlates with virus transmission in a filamentous fungus. *Proceedings of the Royal Society of London, Biological Sciences (Proc. R. Soc. Lond. B)*, **269** (1506): 2269-2276

9. Milgroom M.G., **Cortesi P.** 2004. Biological control of chestnut blight with hypovirulence: a critical analysis. Annual Review of Phytopathology, **42**: 311-338; (on-line 9 April 2004, DOI 10.1146/annurev.phyto.42.040803.140325).
10. **Cortesi P.**, Bartoli F., Pizzatti C., Song W.Y., Schaad N.W., 2005. First report of *Acidovorax avenae* ssp. *avenae* on rice in Italy. Journal of Plant Pathology **87** (1): 76.
11. Milgroom M.G., Sotirovski K., Spica D., Davis J.E., Brewer M.T., Milev M., **Cortesi P.**, 2008. Clonal population structure of the chestnut blight fungus in expanding ranges in southeastern Europe. Molecular Ecology, **17**: 4446-4458 (doi: 10.1111/j.1365-294X.2008.03927.x)
12. Saracchi M., Rocchi F., Pizzatti C., **Cortesi P.**, 2008. Box blight, a new disease of *buxus* in Italy caused by *Cylindrocladium buxicola*. Journal of Plant Pathology, **90**: 565-568.
13. Brewer T.M., Cadle-Davidson L., **Cortesi P.**, Spanu P., Milgroom M.G., 2011. Identification and structure of the mating-type locus and development of PCR-based markers for mating type in powdery mildew fungi. Fungal Genetics and Biology, **48**: 704–713 (doi:10.1016/j.fgb.2011.04.004).
14. Kunova A., Pizzatti C., **Cortesi P.**, 2013. Impact of tricyclazole and azoxystrobin on growth, sporulation and secondary infection of the rice blast fungus, *Magnaporthe oryzae*. Pest Management Science, **69**: 278-284 (doi: 10.1002/ps.3386).
15. Rossaro B., **Cortesi P.**, 2013. The effects of tricyclazole treatment on aquatic macroinvertebrates in the field and in laboratory. Journal of Entomological and Acarological Research, **45**: 128-36.
16. Rossaro B., Marziali L., **Cortesi P.**, 2014. The effects of tricyclazole treatment on aquatic invertebrates in a rice paddy field. Clean - Soil, Air, Water, **42**: 29-35. (doi:10.1002/cden.201200215).
17. Kunova A., Pizzatti C., Bonaldi M., **Cortesi P.**, 2014. Sensitivity of non-exposed and exposed populations of *Magnaporthe oryzae* from rice to tricyclazole and azoxystrobin. Plant Diseases, **98**:512-518.
18. Bonaldi M., Chen X., Kunova A., Pizzatti C., Saracchi M., **Cortesi P.**, 2015. Colonization of lettuce rhizosphere and roots by tagged *Streptomyces*. Front. Microbiol. **6**:25. (doi: 10.3389/fmicb.2015.00025).
19. Saracchi M., Sardi P., Kunova A., **Cortesi P.**, 2015. Potential host range of *Anthostoma decipiens* and *Endothiella* sp., agents of hornbeam blight. Journal of Plant Pathology, **97**: 93-97.
20. Kunova A., Pizzatti C., Bonaldi M., **Cortesi P.**, 2016. Metrafenone resistance in a population of *Erysiphe necator* in northern Italy. Pest Management Science, **72**: 398-404 (doi: 10.1002/ps.4060).
21. Chen X., Pizzatti C., Bonaldi M., Saracchi M., Erlacher A., Kunova A., Berg G., **Cortesi P.**, 2016. Biological control of lettuce drop and host plant colonization by rhizospheric and endophytic streptomycetes. Front. Microbiol. **7**:714. (doi: 10.3389/fmicb.2016.00714).
22. Kamel M., **Cortesi P.**, Saracchi M., 2016. Etiological agents of crown rot of organic bananas in Dominican Republic. Postharvest Biology and Technology **120**: 112–120.
23. Kunova A., Saracchi M., Bonaldi M., Pizzatti C., Chen X., **Cortesi P.**, 2016. Selection of *Streptomyces* against soil borne fungal pathogens by a standardized dual culture assay and evaluation of their effects on seed germination and plant growth. *BMC Microbiology*, **16**: 1-11.
24. Kunova A., Pizzatti C., Cerea M., Cazzaniga A., **Cortesi P.**, 2017. New formulation and delivery method of *Cryphonectria parasitica* for biological control of chestnut blight. Journal of Applied Microbiology, **122**: 180-187.
25. Villa F., Cappitelli F., **Cortesi P.**, Kunova A., 2017. Fungal biofilms: targets for the development of novel strategies in plant disease management. Front. Microbiol. **8**: 654. (doi.org/10.3389/fmicb.2017.00654).
26. Kamel M., **Cortesi P.**, Saracchi M., 2018 The influence of potassium alum, sodium bicarbonate, and chlorine treatments on banana's crown rot disease progress. Acta Horticulture **1196** 247-254

Additional papers can be found searching the following data base: IRIS-AIR, SCOPUS (www.scopus.it); ORCID (<http://orcid.org/0000-0002-2992-4253>)

Research Topics

Within Plant Pathology he studies:

- Biology and epidemiology of grape powdery mildew, and population genetic structure of *E. necator*.
- Population genetic structure of *C. parasitica*, vegetative incompatibility, and horizontal virus transmission.
- Biological control of chestnut blight.
- Efficacy, mode and mechanism of action of new fungicides.
- Grape and rice diseases management.
- Etiology of new disease of arable crops, fruit trees and ornamentals.
- Fungicide resistance.
- Search for new organisms to be used for biological control of fungal diseases.

Memberships

Italian Society of Plant Pathology
American Phytopathological Society

Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section "Amministrazione trasparente", "Consulenti e collaboratori".

Milan 16/11/2018

Signature

