

Alessandro Raiola

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About me:

Research activities in plant pathology focus on: Crop protection by RNA interference. Characterization of virulence factors and plant defense mechanisms. Modifications of plant cell wall to improve resistance to pathogens. Ecology and physiology of toxigenic fungi. Plant virus diseases and management. Biological control through the selection and use of microbial antagonists or resistance inducers. Use of heterologous expression systems.

● EDUCATION

1992 – Rome, Italy

MASTER DEGREE IN BIOLOGICAL SCIENCE – University of Rome LA SAPIENZA

Degree in Biological Sciences with 110/110 cum laude, University of Rome “La Sapienza”

● WORK EXPERIENCE

2017 – CURRENT – Padova, Italy

Associate Professor

2017–1992 **Research activities**

2004–2017: Assistant Professor in Plant Pathology, Department of Land, Environment, Agriculture and Forestry (TESAF); University of Padova.

2003: Research Grant at the Plant Biology Department of the University of Rome “La Sapienza”.

2001–2002: Research Grant at the Plant Biology Department of the University of Rome “La Sapienza”.

2000: Research Fellow of the Foundation Pasteur–Cenci Bolognetti. Project

1999: Research contract, Department of Plant Biology, Project: “Structure–function analysis of LRR proteins and their ligands in plant pathogen interactions and engineered resistance”, University “La Sapienza”. University of Rome “La Sapienza”.

1997–1998: Post–doctoral fellowship in Plant Pathology,

1993–1996: Ph.D. in Plant Pathology, University of Bologna.

1992: Research Associate ICARDA (International Center for Agricultural Research in Dry Areas) in a collaborative Italian research project Plant Pathology Research Institute ISPaVe, Rome.

● SCIENTIFIC ACTIVITY

The scientific activity is documented by over 30 articles in international journals and books, 2 patents and more than 60 Congress communications. Scopus Author ID: 6603742998. ORCID 0000-0002-3635-9117.

● RESEARCH PROJECTS

He has been scientific responsible and participant in projects supported by International and National Institutions : Ateneo project, DOR, PRIN, PSR Veneto and BIOCOMES (European project).

● CURRENT TEACHING ACTIVITY

Phytopathological Virology and Bacteriology (6 CFU)

Biotechnology for Plant Protection (6 CFU)

IPM of Pathogens of Fruit Crops in Temperate Climate (5 CFU)

LANGUAGE SKILLS

Mother tongue: **ITALIAN**

Other language: **ENGLISH**