

# BIOGRAPHY

5/07/2012



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**Title and name**

Prof. Vittorio Rossi

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**Nationality**

Italian

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**Panel**

Plant Health

**Education**

Academic Degree in Agriculture, University of Bologna

**Scientific and risk assessment experience**

Long-term experience in analysing (with a holistic approach) the risk factors for the development of plant disease epidemics and in developing tools for warning advisors / growers about disease management actions.

Coordinator of the EFSA art. 36 projects PRASSIS (Pest risk assessment in the European Community: inventory of data sources) and MOPEST (Models for pest's epidemiology: review, documentation and evaluation for Pest Risk Analysis).

**Main scientific publications**

The main areas of publication are: i) plant disease biology, epidemiology and management; ii) use of disease models in risk assessment; iv) Integrated disease management and biological control.

CAFFI T., ROSSI V., LEGLER S.E. , BUGIANI R., 2011 - A mechanistic model simulating ascosporic infections by Erysiphe necator, the powdery mildew fungus of grapevine. Plant Pathology 60: 522–531

LLORENTE I., VILARDELL A., VILARDELL P., PATTORI E., BUGIANI R., ROSSI V., MONTESINOS E., 2010 – Control of brown spot of pear by reducing the overwintering inoculum through sanitation. European Journal of Plant Pathology 128: 127-141.

ROSSI V., CAFFI T., LEGLER S. E., 2010 – Dynamics of ascospore maturation and discharge in Erysiphe necator, the causal agent of grape powdery mildew. Phytopathology 100: 1321-1329.

CAFFI T., ROSSI V., BUGIANI R., 2010 - Evaluation of a warning system for controlling primary

infections of grapevine downy mildew. Plant Disease 94: 709-716.

ROSSI V., GIOSUE' S., CAFFI T., 2009 - Modelling the dynamics of infections caused by sexual and asexual spores during *Plasmopara viticola* epidemics. Journal of Plant Pathology 91: 615-627.

ROSSI V., SCANDOLARA A., BATTILANI P., 2009 – Effect of environmental conditions on spore production by *Fusarium verticilloides*, the causal agent of maize ear rot. European Journal of Plant Pathology 123: 159-169.

ROSSI V., PATTORI E., BUGIANI R., 2008 - Sources and seasonal dynamics of inoculum for the brown spot disease of pear. European Journal of Plant Pathology 121: 147-159.

ROSSI V., CAFFI T., GIOSUE' S., BUGIANI R., 2008 – A mechanist model simulating primary infections of downy mildew in grapevine. Ecological modelling 212: 480-491.

ROSSI V., PATTORI E., 2009 - Inoculum reduction of *Stemphylium vesicarium*, the causal agent of brown spot of pear, through application of *Trichoderma*-based products. Biological control 49: 52-57.

ROSSI V., TERZI V., MOGGI F., MORCIA C., FACCIOLO P., HAIDUKOWSKI M., PASCALE M., 2007 - Assessment of *Fusarium* infection in wheat heads using a quantitative polymerase chain reaction (qPCR) assay. Food Additives and Contaminants 24: 1121-1130.