PERSONAL INFORMATION

Francesco Favaron

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WORK EXPERIENCE

Dec. 2011-today	Full Professor in Plant Pathology, Padova University.
Oct. 2001-Dec. 2011	Associate Professor in Plant Pathology, Padova University
Academic years, since 1997/98 to 1999/2000	Temporary Professor at University of Biotechnology applied to Plant Pathology, Verona University
May 1990-Oct. 2001	Assistant Professor in Plant Pathology, Padua University.
Sept. 1989-May 1990	Teacher of Agricultural Sciences, higher school for surveyors "Belzoni", Padova
Academic years 1985/86 and 1986/87	Temporary Professor of Horticultural Sciences, Udine University
May 1984–Sept. 1988	Contract Researcher at the Direction of the National Research Project IPRA (Increase of Productivity of Agricultural Resources) of the National Research Council (CNR), Rome.
Nov. 1983–May 1984	Teacher of Agricultural Sciences, higher school for surveyors "Girardi", Cittadella (Padova)
Sept. 1982–Sept. 1983	Teacher of Agricultural Sciences, higher school for agro-technicians "San Benedetto da Norcia", Padova
July 1981–July 1982	Military service, Trieste
Feb. 1981–July 1981	Teacher of Agricultural Sciences, higher school for agro-technicians "Duca degli Abruzzi", Padova
Feb. 1980–Jan. 1981	Fellowship in Horticultural Sciences, Padova University

EDUCATION

November 1979	Master degree (Laurea) in Agricultural Sciences at Padua University (110/110 cum laude)
July 1974	Secondary school Diploma, Liceo scientifico "E. Fermi" Padova

TEACHING AT UNIVERSITY AND INVOLVEMENT IN PHD ACTIVITY

Since 1996-today	Teaching subjects: *Micologia, Resistenza alle malattie e selezione sanitaria delle piante, Difesa dagli organismi fitopatogeni, Biotecnologie fitopatologiche, Patologia vegetale*	Padova University
1997-2000	Teaching subject: *Biotecnologie fitopatologiche*	Verona University
1986-1987	Teaching subject: *Orticoltura*	Udine University
Jan. 2013-today	Member of the PhD board in "Crop Science"	Padova University
May 2008 Dec. 2012	Coordinator of PhD curriculum in "Crop protection", PhD school in "Crop Science"	Padova University

RESEARCH PROJECTS AS PRINCIPAL INVESTIGATOR

June 2017- June 2018	Nuove biomolecole per la difesa fitosanitaria di prodotti ortofrutticoli e loro trasformati	Fondo sociale europeo-Regione

Sept. 2014 Sept.2015	Utilizzo di molecole naturali per la protezione fitosanitaria della vite e delle piante orticole	Veneto Fondo sociale europeo-Regione Veneto
April 2014 Sept. 2016	Identification by high-throughput screening of natural molecules able to reduce grey mold disease in *Vitis vinifera*	Progetto di Ateneo, Padova University
Jan. 2010 Dec. 2011	Detection of new virulence factors in the toxinogenic fungus *Fusarium graminearum*, pathogen of cereal crops	Vigoni program, Ateneo Italo-tedesco, partner Hamburg University
Sept. 2008 Sept. 2010	Meccanismi dei patogeni per superare i sistemi difensivi della pianta ospite	Research project of National Interest (PRIN), MIUR
Jan. 2006 Jan. 2008	Malattie fungine della spiga del frumento: meccanismi di patogenesi e di difesa	Research project of National Interest (PRIN), MIUR
Jan. 2006 June 2007	Biotecnologie per il miglioramento della sostenibilità, sicurezza e qualità delle produzioni vegetali	National Research Council CNR-ISIB

PATENT

Since June 2018	Co-inventor of patent no. 102018000006817 "Peptidi analoghi del peptaibolico naturale tricogina GAIV con attività fitosanitaria"

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EDITORIAL ACTIVITY

Since January 2018	Associate editor of the International Journal "Journal of Plant Pathology"
Since 1990	Reviewer for the following journals: Acta Physiologiae Plantarum, African Jounal of Microbiology research, Agrochimica, BMC-Microbiology, Canadian Journal of Microbiology, Canadian Journal of Plant Pathology, European Journal of Plant Pathology, FEMS Microbiology Letters, Journal of Agriculture and Foo Chemistry, Journal of Applied Microbiology, Journal of Basic Microbiology, Journal of Plant Pathology, Journal of Rapid Methods and Automation in Microbiology, Microbiology Research, Microbial Ecology, Molecular Plant-Microbe Interactions, Nature Communications, Phytochemistry, Phytopathology, Plant Physiology, Physiologia Plantarum, Phytopathologia Mediterranea, Process Biochemistry, Separation Science and Technology.

RESEARCH ACTIVITY

The activity is documented by 56 articles, 48 of which published in International peer-reviewed Journals (Hindex 20 in Scopus and WoS), and more than 90 Congress poster or communications.

List of articles published in the past 5 years in International peer-reviewed Journals indexed in Web of Science and Scopus:

1. Quarantin, A., Castiglioni, C., Schäfer, W., Favaron, F., Sella, L. (2019) The Fusarium graminearum cerato-platanins loosen cellulose substrates enhancing fungal cellulase activity as expansin-like proteins **PLANT PHYSIOLOGY AND BIOCHEMISTRY**, 139, 229-238.
2. Quarantin, A., Hadeler, B., Kröger, C., Schäfer, W., Favaron, F., Sella, L., Martínez-Rocha, A.L. (2019) Different hydrophobins of *Fusarium graminearum* are involved in hyphal growth, attachment, water-air interface penetration and plant infection. **FRONTIERS IN MICROBIOLOGY**, 10, art. no. 00751,.
3. Nadai, C, Lemos, W. J. F. Jr.; Favaron, F., Giacomini, A. (2018). Biocontrol activity of *Starmerella bacillaris* yeast against blue mold disease on apple fruit and its effect on cider fermentation. **PLOS ONE**, 13, art. no e0204350.

4. Paccanaro, M.C., Sella, L., Castiglioni, C., Giacomello, F., Martínez-Rocha, A.L., D'Ovidio, R., Schäfer, W., Favaron, F. (2017). Synergistic effect of different plant cell wall-degrading enzymes is important for virulence of *Fusarium graminearum*. **MOLECULAR PLANT-MICROBE INTERACTIONS**, 30, 886-895.
5. Marcato, R., Sella, L., Lucchetta, M., Vincenzi, S., Odorizzi, S., Curioni, A., Favaron, F. (2017). Necrotrophic fungal plant pathogens display different mechanisms to counteract grape chitinase and thaumatin-like protein **PHYSIOLOGICAL AND MOLECULAR PLANT PATHOLOGY**, 99: 7-15.
6. Quarantin, A., Glasenapp, A., Schäfer, W., Favaron, F., Sella, L. (2016). Involvement of the *Fusarium graminearum* cerato-platanin proteins in fungal growth and plant infection. **PLANT PHYSIOLOGY AND BIOCHEMISTRY**, 109, 220-229.
7. Tundo, S., Janni, M., Moscetti, I., Mandalá, G., Savatin, D., Blechl, A., Favaron, F., D'Ovidio, R. (2016). PvPGIP2 accumulation in specific floral tissues but not in the endosperm limits Fusarium graminearum infection in wheat. **MOLECULAR PLANT-MICROBE INTERACTIONS**, 29, 815-821.
8. Lemos, W.J., Jr., Bovo, B., Nadai, C., Crosato, G., Carlot, M., Favaron, F., Giacomini, A., Corich, V. (2016). Biocontrol ability and action mechanism of *Starmerella bacillaris* (synonym *Candida zemplinina*) isolated from wine musts against gray mold disease agent *Botrytis cinerea* on grape and their effects on alcoholic fermentation**. FRONTIERS IN MICROBIOLOGY**, 7, art. no. 1249,
9. Sella, L., Gazzetti, K., Castiglioni, C., Schäfer, W., D'Ovidio, R., Favaron, F. (2016). The *Fusarium graminearum* Xyr1 transcription factor regulates xylanase expression but is not essential for fungal virulence. **PLANT PATHOLOGY**, 65,713-722.
10. Sella, L., Castiglioni, C., Paccanaro, M.C., Janni, M., Schäfer, W., D'Ovidio, R., Favaron, F. (2016). Involvement of fungal pectin methylesterase activity in the interaction between *Fusarium graminearum* and wheat. **MOLECULAR PLANT-MICROBE INTERACTIONS**, 29, 258-267.
11. Tundo, S., Kalunke, R., Janni, M., Volpi, C., Lionetti, V., Bellincampi, D., Favaron, F., D'Ovidio, R. (2016). Pyramiding PvPGIP2 and TAXI-III but not PvPGIP2 and PMEI enhances resistance against *Fusarium graminearum.* **MOLECULAR PLANT-MICROBE INTERACTIONS**, 29, 629-639.
12. Tundo S, Moscetti I, Faoro F, Lafond M, Giardina T, Favaron F, Sella L, D'Ovidio R. (2015). *Fusarium graminearum* produces different xylanases causing host cell death that is prevented by the xylanase inhibitors XIP-I and TAXI-III in wheat. ***PLANT SCIENCE*** 240: 161–169.
13. Moscetti R, Faoro F, Moro S, Sabbadin D, Sella L, Favaron F, D'ovidio R. (2015). The xylanase inhibitor TAXI-III counteracts the necrotic activity of a *Fusarium graminearum* xylanase *in vitro* and in durum wheat transgenic plants. **MOLECULAR PLANT PATHOLOGY** 16: 583–592.
14. Sella L, Gazzetti K, Castiglioni C, Schäfer W, Favaron F. (2014). *Fusarium graminearum* possesses virulence factors common to Fusarium head blight of wheat and seedling rot of soybean, but differing in their impact on disease severity. **PHYTOPATHOLOGY** 104:1201-1207.
15. Kalunke RM, Cenci A, Volpi C, O'Sullivan DM, Sella L, Favaron F, Cervone F, De Lorenzo G, D'Ovidio R. (2014). The pgip family in soybean and three other legume species: evidence for a birth-and-death model of evolution. **BMC PLANT BIOLOGY** 14, art. no. 189.

Co-author of a text book for Bc and MSc students

Alberto Matta, Roberto Buonaurio, Francesco Favaron, Aniello Scala, Felice Scala (2017). **FONDAMENTI DI PATOLOGIA VEGETALE**. Granarolo Dell'Emilia: Patron Editore, ISBN: 9788855533829

Dichiarazione sostitutiva di certificazione – artt. 46 e 47 del DPR 445/2000, consapevole che le dichiarazioni false comportano l'applicazione delle sanzioni penali previste dall'art. 76 del DPR 445/2000" dichiaro che le informazioni riportate nel CV sono veritiere

Legnaro, 30 August 2019