

## **Francesco Pennacchio**

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### **EDUCATION AND RESEARCH POSITIONS**

- PhD in Entomology, 1989.
- Research Expert at JRC Ispra, September-December 1988.
- Post-doctoral associate, Texas A&M University, Department of Entomology, College Station, TX, USA, 1989-1990.

### **ACADEMIC POSITIONS**

- Professor of Entomology, November 2000-present.
- Visiting Professor, University of Newcastle upon Tyne (UK), 2006-present.
- Head of the Interuniversity Center “Bioinspired Agro-environmental Technology – BAT Center”, 2020-present.
- Acting Head of the Department of Agricultural Sciences, University of Napoli Federico II, 2021-present.
- Chair of the International PhD course in “Insect Science and Biotechnology”, 2002-2016.
- Chair of the European Network of PhD Schools in “Insect Science”, 2010-present.
- Head of the Department of Agricultural Entomology and Zoology “F. Silvestri”, 2009-2012.
- Rector Delegate for Scientific Research at the University of Basilicata, 2003-2005.
- Rector Delegate in the National Committee for Scientific Research, CRUI, 2003-2005.

### **MAJOR SCIENTIFIC CONSULTANCIES**

- Member of the Italian Committee representing the Accademia Nazionale dei Lincei at the G-Science 2020, contributing to the statement on Global Insect Declines, 2020.
- Member of EASAC (European Academies Science Advisory Council) working group on sustainable agriculture and neonicotinoids, as a representative of the Accademia Nazionale dei Lincei, 2013-2014.
- Representative for the Italian Ministry of Research in the Managing Committee of the COST action “Using three-way interactions between plants, microbes and arthropods to enhance crop protection and production”, 2015-2019.
- Member of the International Committee of Virus Taxonomy, study group Polydnviridae, 2010-present.
- Member of the Italian Scientific Board for Pesticide Registration, Ministry of Health, 2005-present.
- Member of the National Board of Directors (Consiglio di Amministrazione), Italian Council for Research in Agriculture (CRA), 2007-2011.
- Member of International Committees in charge of scientific assessment of foreign research institutes (INRA-France, FERA-UK, Czech Academy of Sciences - Institute of Biology).

### **SCIENTIFIC CREDENTIALS**

#### *Prizes and Honors*

- Recipient of PNAS Cozzarelli Prize 2013 (National Academy of Sciences U.S.A.), awarded to the best paper published in PNAS (Applied Biological Sciences) (<http://www.nasonline.org/news-and-multimedia/news/2013-cozzarelli-prize.html>)
- President Società Entomologica Italiana, 2012-2021.
- President Accademia Nazionale Italiana di Entomologia, 2019-present.
- Member of the Council for International Congresses of Entomology, 2016-2032.

- Member of the Praesidium of the European Congresses of Entomology, 2014-present.
- Chair of the XI European Congress of Entomology - 2018.
- Invited speaker for the Patton Lecture 2018, Cornell University – USA

#### *Editorial activity*

- Editor “Journal of Insect Physiology”, Elsevier, 2010-present.
- Associate Editor “Rendiconti Lincei. Scienze Fisiche e Naturali”, 2015-present.
- Editorial Board member of several international entomology journals.

#### *Publications*

- Research areas addressed: insect parasitology and pathology, immunity, honeybee health, insect multitrophic interactions, bioinsecticides.
- Bibliometric parameters in ISI Web of Science (December 2020):
- h-index 37
- number of total citations 4,478
- average citations per item 36.7
- ORCID iD: <https://orcid.org/0000-0002-8794-9328>

#### RESEARCH PROJECTS (most relevant 2000-2020)

##### EU FUNDED PROJECTS

- H2020-SFS- 2016/2017: “Stacking of ecosystem services: mechanisms and interactions for optimal crop protection, pollination enhanced and productivity (EcoStack)”. Coordinator; 2018-2023, value € 1,200K.
- KBBE-KBBE-7 – GA 613960 (SmartBees) “Sustainable management of resilient bee populations”. Partner; 2014-2018, value € 400K.
- QLK3-CT-2001- 01586 BIP (FP6); “Biopesticides from Insect Parasitoids”. Partner and deputy coordinator; 2002-2004, value € 1,400K.
- FAIR 6-CT98–4322 “Artificial diets for the production of natural enemies (predators and parasitoids) of greenhouse pest insects”. Partner; 2000-2002, value € 400K

##### NATIONAL FUNDED PROJECTS

- PRIN 2017 (2017954WNT) – “ UNDERstanding how stress affects honey bee Immunity to manage COLony losses (UNICO) “. National coordinator, 2019-2022, value € 301K.
- PRIN 2008 (2008FBJPR8) – “Development of new bioinsecticides”. National coordinator; 2010-2011, value € 234K.
- PRIN 2006 (2006079417) – “New strategies for insect control with genes from natural antagonists”. National coordinator; 2007-2008, value € 180K.
- PRIN 2002 (2002077357) - “New natural insecticides from insect parasitoids”. National coordinator; 2003-2004, value € 240K.
- FIRB negoziale (RBNE01YXA8) – GeFI “Insect functional genomics for the development of innovative plant protection strategies”. National coordinator; 2002-2006, value € 1,050K.

- MIUR - International PhD course in “Insect Biotechnology”. Coordinator; 2002-2005, value € 220K.

- MIUR - International PhD course in “Insect Science and Biotechnology”. Coordinator; 2005-2008, value € 200K.

- MIPAAF – APENET. Partner; 2009-2012, value € 280K.

- MIPAAF - "Genetic resources of beneficial organisms for sustainable agriculture". Coordinator sub-project on insects; 2002-2005, value € 600K.

## REGIONAL PROJECTS

- URCOFI: Coordination of monitoring and research on plant protection in Campania Region. Coordinator; 2012-2021, value € 2,000 K.

- PSR Campania Region (misura 124). PRIPOM (IPM in tomato). Coordinator, 2012-2015, value 500K.

- Network of biotechnology in Campania Region. BIP: BioIndustrial Processes. (Project Code PO FESR 2007-2013 Ob. Oper. 2.1), Partner, 2013-2015, value € 92K.

14 giugno 2021

Francesco Pennacchio