

European Curriculum vitae



PERSONAL INFORMATIONS

GIORGIO MARIANO BALESTRA

Name	
Address	C.SO CAVOUR, 73 – 01027 MONTEFIASCONE (VT)
Telephone	+39 0761 357474 – 333 4246404
Fax	+39 0761 357434
E-mail	balestra@unitus.it
Nationality	Italian
Date of birth	15/06/1961

PROFESSIONAL PROFILE

Associate Professor at the Department of Agriculture and Forest Sciences (DAFNE), University of Tuscia.

Deputy Head of DAFNE for International Cooperation

Teaching activity is carried out at University of Tuscia, for Master and PhD students in:

Plant Pathology,
Sustainable Plant Protection Strategies,
Agro-industrial Phytopathological Biotechnology,
Nanotechnology in Crop Protection,
Relevant Bacterial Plant Diseases,

Research activity on plant pathology and in particular on phyto bacteriology for:
Valorization of agro-food wastes to develop organic plant protection strategies.
Reduction of agrochemicals to control of harmful pathogenic microorganisms on tropical and subtropical crops;
Biological control in open field, greenhouse, nursery of phytopathogenic bacteria by using natural substances and biocontrol agents (BCA's).
Sustainable plant protection strategies in Developing Countries.
Biology and epidemiology of phytopathogenic bacteria.
Abiotic and biotic factors influencing populations of phytopathogenic bacteria;
Genetic-molecular characterization of phytopathogenic bacteria.

Coord. Of Bachelour Course in Agr. And Env. Sci. (SAA L25)

Deputy DAFNE Head for Int. Coop. and for Circular Bioeconomy (SPRING Cluster)

He's Coordinator of Regional, National, EU/extra EU (MAE, MIUR, MIPAAF, FAO, NGO's) Projects.

He's author of more than 300 peer review scientific papers.

In 2013, he founded **Phytoparasites Diagnostics (Phy.Dia) srl** (www.phydia.eu), an **innovative Spin-off/Start-up** Company. It was developed together with four young researchers from University of Tuscia. Phy.Dia. Srl is accredited by the National Phytosanitary Service (SFC) MIPAAF and the Regional Phytosanitary Service (SFR) for the management and analysis of all different plant material respect to all parasites/plant pathogens; and also, due to its EPPO standards, PhyDia it is also accredited to develop research activities on quarantine plant pathogens (ex. *Pseudomonas syringae* pv *actinidiae*, *Xylella fastidiosa* subsp. *pauc* CoDiRO strain, *Clavibacter michiganensis* subsp. *michiganensis*), becoming among the few national research centers with outstanding scientific expertise in the field of phyto-diagnostics able to offer a highly qualified service for the public and private sector.

WORKING EXPERIENCE

- Date (from – to)
- name, address of the employer
- Type of company-sector
- Kind of employment
- Main duties and responsibilities

2015 – to date

Department of Agriculture and Forestry Science (DAFNE), University of Tuscia., Via San Camillo de Lellis, 01100 Viterbo
Public University
Associate Professor
Teaching, Research, Coordination, Management.

- Date (from – to)
- name, address of the employer
- Type of company-sector
- Kind of employment
- Main duties and responsibilities

2000-2015

Department of Agriculture and Forestry Science (DAFNE), University of Tuscia., Via San Camillo de Lellis, 01100 Viterbo
Public University
Researcher
Teaching, Research, Coordination,

- Date (from – to)
- name, address of the employer
- Type of company-sector
- Kind of employment
- Main duties and responsibilities

1984 – 1999

Dep. of Plant Protection (DIPROP) Faculty of Agriculture, University of Tuscia, Via San Camillo de Lellis, 01100 Viterbo
Public University
Scientific responsible of Plant Pathology Labs
Teaching, Research.

RECOVERY LOADS AND ACTIVITIES CARRIED OUT

- Date (from – to)
- name, address of the employer
- Kind of employment

2000 – 2007

MIPAAF (Italian Ministry of Agriculture, Agrofood and Forestry)
Member of Scientific Unit in a National Project to Improve Organic Nursery

- Date (from – to)
- name, address of the employer
- Kind of employment

2010 –2012

MIPAAF (Italian Ministry of Agriculture, Agrofood and Forestry)
Coordinator of Scientific Unit for a MIPAAF National Project inherent in the traceability of kiwi fruit in relation to phytopathological aspects

- Date (from – to)
- name, address of the employer
- Kind of employment

2006 – 2009

MIPAAF (Italian Ministry of Agriculture, Agrofood and Forestry)
National Coordinator of MIPAAF Project on Organic Plant Protection of relevant national crops (kiwifruit and tomato)

- Date (from – to)
- name, address of the employer
- Kind of employment

2009 – 2011

MIPAAF (Italian Ministry of Agriculture, Agrofood and Forestry)
Coordinator of Scientific Unit for a MIPAAF National Project concerning the development innovative technologies to detect phytopathogenic bacteria.

- Date (from – to)
- name, address of the employer
- Kind of employment

2009 – 2012

Regione Lazio (I)/ University of Tuscia
Coordinator of Scientific Unit for Regione Lazio Project on Kiwifruit Bacterial Canker.

- Date (from – to)
- name, address of the employer
- Kind of employment

2011 – do date

CIRPS, University La Sapienza, RM
Member of Board of Inter-University Center for Research in Developing Countries (CIRPS)

- Date (from – to)
- name, address of the employer

2007 – 2008

FAO, University of Tuscia

- Kind of employment Member of Scientific Unit in a FAO Project to promote and improve Olive tree cultivation and Olive Oil production in Nepal.

- Date (from – to) **2008 – to date**
- name, address of the employer University of Tuscia
- Kind of employment Delegate for University of Tuscia to promote the research of Organic Agriculture and its Disclosure in collaborazione with ANAGRIBIOS, and AIAB Organic Associations.

- Date (from – to) **2005 – 2008**
- name, address of the employer NGO's UNA Consortium and University of Tuscia
- Kind of employment COORDINATOR OF SCIENTIFIC PHYTOPATHOLOGICAL TEAM IN THE EU PROJECT INTEGRATED PEST MANAGEMENT PROJECT FOR SOMALIA (AFRICA).

- Date (from – to) **2008 – 2009**
- name, address of the employer University of Tuscia
- Kind of employment COORDINATOR OF REGIONAL PROJECT (LAZIO) PRAL: KIWIFRUIT IN REGIONE LAZIO: INNOVATIONS IN CRITICAL POINTS OF CHAIN FROM THE PLANT TO THE CONSUMER.

- Date (from – to) **2007 – 2008**
- name, address of the employer University of Tuscia
- Kind of employment COORDINATOR OF REGIONAL PROJECT (LAZIO) PRAL: SOCIALLY USEFUL AGRICULTURE: ANALYSIS OF THE TECHNICAL-ECONOMIC ASPECTS OF OPERATIONAL SOCIAL ENTERPRISES IN THE AGRICULTURAL SECTOR.

- Date (from – to) **2009 – 2010**
- name, address of the employer University of Tuscia
- Kind of employment COORDINATOR OF NATIONAL PROJECT MIPAAF (N° 893) (INNOVATIONS IN ORGANIC PLANT PROTECTION STRATEGIES OF STONE FRUIT AND HORTICULTURAL PRODUCTS.

- Date (from – to) **2010 – 2012**
- name, address of the employer University of Tuscia
- Kind of employment COORDINATOR OF REGIONAL PROJECT (LAZIO): "KIWIFRUIT BACTERIAL CANCER *PSEUDOMONAS SYRINGAE* PV. *ACTINIDIAE*): DEVELOPMENT OF CONTROL STRATEGIES".

- Date (from – to) **2011 – 2012**
- name, address of the employer University of Tuscia
- Kind of employment COORDINATOR OF REGIONAL PROJECT (LAZIO): "QUANTITATIVE IMPROVEMENT OF PRODUCTION OF KIWIFRUIT BY NATURAL RESOURCES AND BIOTECHNOLOGIES

- Date (from – to) **2012 – 2013**
- name, address of the employer University of Tuscia
- Kind of employment COORDINATOR OF NATIONAL PROJECT MIPAAF (N° 12): "BIOFORMULATES TO ANTIMICROBIAL ACTIVITY".

- Date (from – to) **2012 – 2013**
- name, address of the employer University of Tuscia
- Kind of employment COORDINATOR OF NATIONAL PROJECT MIPAAF (OIGA N° 247), 'KIWIFRUIT CONTROL AND TECHNOLOGICAL INNOVATIVE ACTION IN IDENTIFICATION OF ACTINIDIA PLANT PATHOGENS'.

- Date (from – to) **2013 – 2014**
 - name, address of the employer University of Tuscia
 - Kind of employment COORDINATOR OF NATIONAL PROJECT MIPAAF (KIWITALY - D.M. (MIPAAF, 10 APRIL 2006), FOR THE ADOPTION AND DISSEMINATION OF AGRICULTURAL AND AGRICULTURAL PRODUCTS TRACEABILITY SYSTEMS.
- Date (from – to) **2014 – 2015**
- name, address of the employer University of Tuscia
 - Kind of employment COORDINATOR OF NATIONAL PROJECT MIPAAF OLIODOPTTRACE (D.M. (MIPAAF, 10 APRIL 2006), FOR THE ADOPTION AND DISSEMINATION OF AGRICULTURAL AND AGRICULTURAL PRODUCTS TRACEABILITY SYSTEMS.
- Date (from – to) **2014 – 2015**
 - name, address of the employer University of Tuscia
 - Kind of employment COORDINATOR OF REGIONAL PROJECT (LAZIO): PSR N. 124. "PILOT PROJECT FOR DEVELOPING A SYSTEM OF IDENTIFICATION OF PHYTOPATHOGENIC BACTERIA ON KIWI FRUITS".
- Date (from – to) **2014 – 2016**
 - name, address of the employer University of Tuscia
 - Kind of employment COORDINATOR OF REGIONAL PROJECT (LAZIO): PSR N. 124. "PILOT PROJECT FOR THE DEVELOPMENT OF AN IDENTIFICATION SYSTEM OF *XYLELLA FASTIDIOSA* AGENT RESPONSIBLE FOR THE "COMPLETE OF THE RAPID OLIVE OIL (CODIRO) AND SPECIFY THE INFORMATION AND TRAINING ACTIVITIES OF OLIVE LICENSORS OF THE HIGH LAZIO.
- Date (from – to) **2015 – 2018**
 - name, address of the employer University of Tuscia
 - Kind of employment COORDINATOR of Scientific Unit for NATIONAL PROJECT MIPAAF: 'REDUCTION STRATEGIES AND POSSIBLE ALTERNATIVES FOR THE USE OF COPPER IN ORGANIC AGRICULTURE (ALTRAMEINBIO).
- Date (from – to) **2017 – to date**
 - Kind of employment COORDINATOR of Scientific Unit for NAT./REG. PROJ MIUR, PNR, MASAF:
- ALTRAMEINBIO** – FROM 2017 TO 2021 – FINANCED BY MIPAAF (MASAF) (COPPER REDUCTION IN ORGANIC AGR.)
- SMART AGRI PLATFOMR** – FROM 2018 TO 2021 – FINANCED BY UMBRIA REGION (DRONES, ALGORITHM, ALERT SYSTEM, ADVANCE AGR. 4.0, FUSARIUM/WHEAT)
- NEMESI** – FROM 2018 TO 2023 – FINANCED BY MUR (GREEN NANOTECHNOLOGY VS *P. SAV.*, *XYL. FASTIDIOSA*, *COLLETOTRICH. GLEOS.*, OLIVE TREE)
- GRAEEN** – FROM 2020 TO 2022 – FINANCED BY LAZIO REGION (CIRCULAR ECONOMY AND GREEN PROTECTION OF WHEAT, TOMATO, KIWIFRUIT BY GREEN NANOTECHNOLOGY)
- MULTIFRU** – FROM 2021 TO 2023 – FINANCED BY LAZIO REGION (MULTIFUNCTIONAL VALORISATION OF PIGMENTED WHEATS FOR THE PRODUCTION OF FUNCTIONAL FOODS AND GREEN NANO-AGROPHARMACEUTICALS FOR THE PROTECTION OF WHEAT)
- ANCOSIX** – FROM 2023 TO 2026 – FINANCED BY MASAF (NANOTECHNOLOGY TO DEVELOP SUSTAINABLE PLANT PROTECTION STRATEGIES AGAINST *XYELLA FASTIDIOSA*)
- PERCIVAL** FROM 2023 TO 2026 – FINANCED BY MUR PON (EXTRACTION PROCESSES OF BIOPRODUCTS FROM AGRO-INDUSTRIAL WASTE AND CASCADE VALORISATION).

- Kind of employment He's enrolled in the following scientific Nat/Int Scientific Societies
 - Società Italiana di Patologia Vegetale (S.I.Pa.V.);
 - Associazione Italiana per la Protezione delle Piante (A.I.P.P.);
 - Mediterranean Phytopathological Union (M.P.U.);

 - Date (from – to) **1990 – to date**
 - name, address of the employer University of Tuscia
 - Kind of employment He is reviewer for several International Scientific Journals:

 - Date (from – to) **2019**
 - name, address of the employer DAFNE, University of Tuscia
 - Kind of employment *Convenor* del 4th International Symposium on Biological Control of Bacterial Plant Diseases (BIOCONTROL2019) (www.biocontrol2009.com).

 - Date (from – to) **2009**
 - name, address of the employer DIPROP, University of Tuscia
 - Kind of employment *Convenor* del IX National Kiwifruit Congress (www.actinidia2009.it).

 - Date (from – to) **2006-2007**
 - name, address of the employer University of Tuscia
 - Kind of employment Teacher in Biological Agriculture for the 1st European Master in: Ethical-Social Agriculture.

 - Date (from – to) **2009**
 - name, address of the employer University of Tuscia
 - Kind of employment Teacher for Master II Liv. "Global Environment Protection and International Policies" for "Agro-Food Strategies in Emergency Humanitarian Matters".

 - Date (from – to) **2009**
 - name, address of the employer CIRPS
 - Kind of employment Teacher for CIRPS, Master "Cooperation for Development for Critics of Development Cooperation in the Agricultural Sector".

 - Date (from – to) **2005 - 2009**
 - name, address of the employer UNA Consortium/UE/University of Tuscia
 - Kind of employment Teacher and Collaboration with the NGO's UNA Consortium, in the EU Project: Integrated Pest Management in Somalia, Africa, carrying out extensive training activities to reduce the use of agrochemicals in agriculture for 350.000 farmers.

 - Date (from – to) **2005 – to date**
 - name, address of the employer Internazionali Collaborations with:
 - Kind of employment National Geographic Italia; USDA – USA; PPDSRI – Iran; MAF/Plant and Food Research e University of Otago, NZ; INRA – France; FAO, IFAD; University di Cuyo Alte, Mendoza, Argentina; PRAM/CIRAD, Martinica; UCS, Brasil; Virginia Tech University, USA; and different Research Centers in China, Cuba e Liban.
- He is the promoter and the scientific reference of international teaching, study and research agreements at the University of Tuscia with the different Int. Research Centers such as:
- UNIVERSIDAD NACIONAL DE CUYO (UNCUYO), ARGENTINA,
 UNIVERSIDADE DE CAXIAS DO SUL (UCS) REPUBLIC OF BRASIL,
 SOUTH CHINA BOTANICAL GARDEN (SCBG), CHINA,
 AMERICAN UNIVERSITY OF BEIRUT, REPUBLIC OF LEBANON,
 POLE DE RECHERCHE AGRON. DE LA MARTINIQUE (PRAM) – CIRAD, MARTINIQUE,
 UNIVERSITY OF MONTENEGRO, PODGORICA, MONTENEGRO,
 INRA, PATHOLOGIE VÉGÉTALE, AVIGNON, FRANCE,
 PUNTLAND STATE UNIVERSITY, PUNTLAND STATE OF SOMALIA, SOMALIA,
 ANHUI AGRICULTURAL UNIVERSITY, HEFEI, ANHUI, CHINA.
 INSTITUTO DE INVESTIGACIONES AGROPECUARIA, CILE
 SICHUAN PROVINCIAL INSTITUTE OF NATURAL RESOURCE SCIENCE, CINA
 NATIONAL CENTER FOR ANIMAL AND PLANT HEALTH (CENSA), CUBA

EDUCATION AND TRAINING

- Date (from – to) 1986-1990
- Name and type of education or training institute Faculty of Biology, University of Tuscia
- Qualification achieved MS in Biological Sciences

- Date (from – to) July--October 1992
- Name and type of education or training institute Department of Plant Pathology, University of Wisconsin, Madison, (Wisconsin, WS) USA
- Qualification achieved Study and Research, Visiting Researcher

- Date (from – to) June 1994-January 1995
- Name and type of education or training institute Department of Plant Pathology, University of Arizona, Tucson, (Arizona, AZ) USA
- Qualification achieved Study and Research, Visiting Researcher

- Date (from – to) 1-31 August 1995
- Name and type of education or training institute Int. Cent. of Agric. Researches in Dry Areas (I.C.A.R.D.A.), Alep (Syria)
- Qualification achieved Study and Research, Visiting Researcher

MOTHER TONGUE ITALIAN

OTHER LANGUAGES

ENGLISH

- Reading ability Excellent
- Writing skills Excellent
- Oral expression capacity Excellent

2023

- Schiavi D., Ronchetti R., Di Lorenzo V., Vivani R., Giovagnoli S., Camaioni E., Giorgio M. Balestra (2023). Sustainable protocols for cellulose nanocrystals synthesis from tomato waste and their antimicrobial properties against *Pseudomonas syringae* pv. *tomato*. *Plants* 11, 12, 939. section: Plant Protection and Biotic Interactions. special issue_Nanoparticles: Their Synthesis and Application to Control Plant-Associated Bacteria ISSN 2223-7747.
- Schiavi, D.; Taddei, A.R.; Balestra, G.M. Investigating Cellulose Nanocrystals' Biocompatibility and Their Effects on *Pseudomonas syringae* pv. *tomato* Epiphytic Survival for Sustainable Crop Protection. *Horticulturae* 2023, 9, 525.
- Baldassarre, F.; Schiavi, D.; Ciarroni, S.; Tagliavento, V.; De Stradis, A.; Vergaro, V.; Suranna, G.P.; Balestra, G.M.; Ciccarella, G. Thymol Nanoparticles as Effective Biocides against the Quarantine Pathogen *Xylella fastidiosa*. *Nanomaterials* 2023, 13, 1285.
- Baldassarre, F.; Schiavi, D.; Di Lorenzo, V.; Biondo, F.; Vergaro, V.; Colangelo, G.; Balestra, G.M.; Ciccarella, G. (2023). Cellulose Nanocrystal-Based Emulsion of Thyme Essential Oil: Preparation and Characterisation as Sustainable Crop Protection Tool *Molecules* 2023, 28, 7884, doi: 10.3390/molecules28237884.
- Cardacino A., S. Turco, G. M. Balestra (2023) Taking a tour inside the kiwifruit microbiome: a preliminary study on the etiology of Kiwifruit Vine Disease Syndrome (KVDS), 12th ICPP2023 – Lione 21-25/08/2023.
- Schiavi D., J. Mukesh, G.V. Minsavage, J.B. Jones, G.M. Balestra (2023). Cellulose nanocrystals as an innovative tools to control *X. perforans*, 12th ICPP2023 – Lione 21-25/08/2023.
- Francesconi S., D. Schiavi, F. Sestili, G.M. Balestra (2023). A novel nanoparticle-based formulation for the management of kiwifruit bacterial canker and olive knots while boosting the hosts innate immunity, 12th ICPP2023 – Lione 21-25/08/2023
- Felici L., C. Miccoli, S. Francesconi, S. Turco, F. Sestili, S. Palombieri, G.M. Balestra (2023). Resistance and response to *Fusarium* Head Blight disease in pigmented wheat genotypes, 12th ICPP2023 – Lione 21-25/08/2023.
- Miccoli C., Felici L., S. Francesconi, F. Sestili, M. Vitali, G.M. Balestra (2023). Investigation on high polyphenolic wheat genotypes resistance to *Fusarium* Head Blight, 12th ICPP2023 – Lione 21-25/08/2023.
- Schiavi D., Subedi A., Goss E., Jones J.B., Balestra (2023). Studying the diversity among *Xanthomonas euvesicatoria* strains collected from pepper plants in Southern Italy, G.M.SiPaV 2023 – Napoli 18-20/09/2023.
- Schiavi D., Francesconi S., Giovagnoli S., Camaioni E., Sestili F., Balestra G.M. (2023). Cellulose Based Nanoparticles To Deliver Active Natural Compounds: A Successful Case In The Management Of The Tomato Bacterial Speck Disease, SiPaV 2023 – Napoli 18-20/09/2023.
- Schiavi D., Jain M., Minsavage J.V., Jones J.B., Balestra G.M.(2023). Cellulose Nanocrystals as an Innovative Tool to Control *Xanthomonas euvesicatoria* pv. *perforans*. SiPaV, Napoli 18-20/09/2023.
- Francesconi S., Schiavi D., Sestili F., Balestra G.M.(2023). A novel nanoparticle based formulation for the management of kiwifruit bacterial canker and olive knot while boosting the hosts innate immunity. SiPaV, Napoli 18-20/09/2023.
- Muawiya A., D. Schiavi, S. Francesconi, D. Rongai, F. Valentini, G.M. Balestra (2023). Challenges and Future Perspectives In Controlling The Menace Of *Xylella fastidiosa* By Organic Nanocompounds – The Case Of Ancosix Project 4th, 12th ICPP2023 – Lione 21-25/08/2023
- Schiavi D., G.V. Minsavage, J.B. Jones, G.M. Balestra (2023). Cellulose Nanocrystals as a Sustainable Tool to Control Tomato Bacterial Pathogens. 12th ICPP2023 – Lione 21-25/08/2023.
- Giampetruzzi, A., Loconsole, G., Zicca, S., Balestra, G.M., Saponari, M.(2023). Draft Genome Sequence Resource of *Xylella fastidiosa* Strain Alm_Lz_1 Associated with a New Outbreak in Lazio, Italy. *Phytopathology*, 2023, 113(1), pp. 108–111.
- Muawiya A., D. Schiavi, S. Francesconi, D. Rongai, F. Valentini, G.M. Balestra (2023). Achievements, Challenges and Future Perspectives in Controlling the menace of *Xylella fastidiosa* by Organic Nanocompounds – The Case of ANCOSIX Project (Satellite event: 4th European conference on *Xylella fastidiosa* – EFSA), 12th ICPP2023 – Lione 21-25/08/2023.
- Francesconi, S., Ronchetti, R., Camaioni, E., Palombieri, S., Balestra, G.M. (2023). Boosting Immunity and Management against Wheat *Fusarium* Diseases by a Sustainable, Circular Nanostructured Delivery Platform *Plants*, 2023, 12(6), 1223. <https://doi.org/10.3390/plants12061223>
- Francesconi, S., Tagliavento, V., Ciarroni, S., Sestili, F., Balestra, G.M. (2023). Chitosan- and gallic acid-based (NPF) displayed antibacterial activity against three *Pseudomonas* spp. plant pathogens and boosted systemic acquired resistance in kiwifruit and olive plants. *Pest Management Science*, 2023, DOI: [10.1002/ps.7861](https://doi.org/10.1002/ps.7861)

2022

- Schiavi, D.; Francesconi, S.; Taddei, A.R.; Fortunati, E.; Balestra, G.M. (2022) Exploring cellulose nanocrystals obtained from olive tree wastes as sustainable crop protection tool against bacterial diseases. *Sci. Rep.*, 12, 6149, doi: 10.1038/s41598-022-10225-9.
- Schiavi, D.; Ronchetti, R.; Lorenzo, V. Di; Salustri, M.; Petrucci, C.; Vivani, R.; Giovagnoli, S.; Camaioni, E.; Balestra, G.M. (2022) Circular Hazelnut Protection by Lignocellulosic Waste Valorization for Nanopesticides Development. *Appl. Sci.* 2022, 12, 2604, doi: doi.org/10.3390/app12052604.

- Francesconi, S.; Schiavi D.; Di Lorenzo, V.; Balestra, G.M. Inorganic nanomaterials usable in plant protection strategies. In Nanotechnology-Based Sustainable Alternatives for the Management of Plant Diseases; Balestra, G.M.; Fortunati, E.; Elsevier Ltd: Amsterdam, The Netherlands, 2022; pp. 211-231, doi: 10.1016/B978-0-12-823394-8.00005-6.
- Schiavi D., Balestra G.M. (2022) Cellulose Nanocrystals as innovative and sustainable tool to control bacterial plant pathogens. Journal of Plant Pathology <https://doi.org/10.1007/s42161-022-01234-8>
- Felici L., Miccoli C., Francesconi S., Sestili F., Vitali M., G.M. Balestra G.M. (2022) Pigmented wheat genotypes as innovative tools against Fusarium Head Blight disease. Journal of Plant Pathology <https://doi.org/10.1007/s42161-022-01234-8>
- Francesconi S., Riccini R., Primavera F., Pizzuti G., Balestra G.M. (2022) Basalt-based novel agrochemicals demonstrated *in vitro* antimicrobial activities against fungal and bacterial plant pathogens. Journal of Plant Pathology <https://doi.org/10.1007/s42161-022-01234-8>
- Schiavi, D.; Balbi, R.; Giovagnoli, S.; Camaioni, E.; Botticella, E.; Sestili, F.; Balestra, G.M. A green nanostructured pesticide to control tomato bacterial speck disease. Nanomaterials 2021, 11, 1852, doi: 10.3390/nano11071852.
- Schiavi D., Di Lorenzo V., Ronchetti R., Giovagnoli S., Camaioni E., Balestra G. M., (2022) Waste valorization for circular protection of tomato by a nanotechnological approach, 14th International Conference on Plant Pathogenic Bacteria, Assisi July, 2022
- Schiavi D., Biondo F., Baldassarre F., Rescio L., Ciccarella G., Balestra G. M. (2022) Novel CNC and thyme extract-based nanocapsules to control the olive knot causal agent. 14th International Conference on Plant Pathogenic Bacteria, Assisi July, 2022
- Schiavi D., Canzoniere P., Butler M., Poulter R., Spinelli F., Mazzaglia A., Scortichini M., Balestra G. M., (2022) Evaluation of copper resistance of *Pseudomonas syringae* pv. *actinidiae* populations in Italy. 14th International Conference on Plant Pathogenic Bacteria, Assisi July, 2022
- Francesconi S., Schiavi D., Ronchetti R., Camaioni D., Giovagnoli S., Sestili F., Balestra G. M. (2022) In vitro antibacterial activity of a novel nanotechnology based green agrochemical to control three *Pseudomonas* spp. bacterial plant pathogens. 14th International Conference on Plant Pathogenic Bacteria, Assisi July, 2022
- Turco, Silvia, Drais, Mounira Inas, Rossini, Luca, Chaboteaux, Elena, Rahi, Yaseen Jundi, Balestra, Giorgio Mariano, Iacobellis, Nicola Sante, Mazzaglia, Angelo (2022). Complete genome assembly of the levan-positive strain PVFi1 of *Pseudomonas savastanoi* pv. *savastanoi* isolated from olive knots in Central Italy. ENVIRONMENTAL MICROBIOLOGY REPORTS, vol. 14, p. 274-285-285, ISSN: 1758-2229, doi: 10.1111/1758-2229.13048
- Giampetruzzi, Annalisa, Loconsole, Giuliana, Zicca, Stefania, Boscia, Donato, Balestra, Giorgio Mariano, Saponari, Maria (2022). Draft Genome Sequence Resource of *Xylella fastidiosa* Strain Alm_Lz_1 Associated with a New Outbreak in Lazio, Italy. PHYTOPATHOLOGY, ISSN: 1943-7684, doi: 10.1094/PHYTO-05-22-0185-A

2021

- BIONDI, Enrico, GALLIPOLI, Lorenzo, Mazzaglia, A., FUENTEALBA, Set Perez, KUZMANOVIĆ, Nemanja, BERTACCINI, Assunta, Balestra, Giorgio Mariano (2021). Bacillus-based products for management of kiwifruit bacterial canker. PHYTOPATHOLOGIA MEDITERRANEA, vol. 60, p. 215-228, ISSN: 1593-2095, doi: 10.36253/phyto-12184
- Schiavi D., Balbi R., Giovagnoli S., Emidio Camaioni E., Ermelinda Botticella E., Sestili F., Balestra G.M. (2021). A Green Nanostructured Pesticide to Control Tomato Bacterial Speck Disease. Nanomaterials, 11, 7: 1852. <https://doi.org/10.3390/nano11071852>
- Canzoniere P., Francesconi S., Giovando S., Balestra G.M. (2021). The antibacterial activity of tannins against *Pseudomonas syringae* pv. *tomato* (Pst) and their potential biostimulant activities on tomato plants. Phytopathologia Mediterranea 60, 2, pp. 23-36. <https://doi.org/10.36253/phyto-11732>
- Belete T., Kubilay Kurtulus Bastas K.K., Francesconi S., BALESTRA G.M. (2021). Biological effectiveness of *Bacillus subtilis* on common bean bacterial blight. Journal of Plant Pathology vol 103, doi: 10.1007/s42161-020-00727-8
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