

## PERSONAL INFORMATION

## Giuliano Bonanomi



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Male | Date of birth 9/10/1973 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

## WORK EXPERIENCE

- From 19 November 2018 to now Associated Professor of Plant Pathology at University of Naples, Federico II, Dipartimento di Agraria.
- From 1 November 2007 to 2018 Researcher of Plant Pathology at University of Naples, Federico II, Dipartimento di Agraria.

## EDUCATION AND TRAINING

- 2002 PhD University of Ancona.
- 1999 Master in Agricultural Science 110/110 Lode.
- 1992 1992 Diploma di Perito Agrario presso l'ITAS Cecchi di Pesaro (PU) – 56/60.

## PERSONAL SKILLS

Mother tongue(s) ITALIAN  
Other language(s) ENGLISH

Job-related skills Giuliano Bonanomi is a Professor at the University of Naples Federico II, Department of Agriculture. Main research interests deal with plant and microbiome diversity, plant-soil feedback, plant-plant and plant-microbe interactions in Alpine and Mediterranean ecosystems. Other important topics are litter decomposition, organic matter and nitrogen cycling. Concerning agroecosystems, his research focuses on soil quality, soil sickness under intensive cultivation systems and disease suppression by using beneficial microbes and organic amendments like compost and biochar.

Digital skills Main research topics: PLANT-SOIL FEEDBACK, DISEASE SUPPRESSION, COMPOST, BIOCHAR, BENEFICIAL MICROBES, IOT, MODELING PLANT DISEASE, SOILBORNE PATHOGENS, LITTER DECOMPOSITION AND SOIL ORGANIC MATTER DYNAMICS, PLANT-SOIL INTERACTIONS, TREE-LINE ECOLOGY, PLANT-PLANT INTERACTION, PLANT FACILITATION.  
Excellent knowledge of Web Server, and of the Microsoft Office software.

## ADDITIONAL INFORMATION

## Publications

- 1- Bonanomi, G., Jesu, G., Zotti, M., Idbella, M., d'Errico, G., Laudonia, S., ... & Abd-ElGawad, A. (2021). Biochar-derived smoke-water exerts biological effects on nematodes, insects, and higher plants but not fungi. *Science of The Total Environment*, 750, 142307.
- 2- Bonanomi, G., De Filippis, F., Zotti, M., Idbella, M., Cesarano, G., Al-Rowaily, S., & Abd-ElGawad, A. (2020). Repeated applications of organic amendments promote beneficial microbiota, improve soil fertility and increase crop yield. *Applied Soil Ecology*, 156, 103714.
- 3- Zotti, M., De Filippis, F., Cesarano, G., Ercolini, D., Tesei, G., Allegranza, M., & Bonanomi, G. (2020). One ring to rule them all: an ecosystem engineer fungus fosters plant and microbial diversity in a Mediterranean grassland. *New Phytologist* 227: 884–898 doi: 10.1111/nph.16583.
- 4- Bonanomi, G., Alioto, D., Minutolo, M., Marra, R., Cesarano, G., & Vinale, F. (2020). Organic Amendments Modulate Soil Microbiota and Reduce Virus Disease Incidence in the TSWV-Tomato Pathosystem. *Pathogens*, 9(5), 379.
- 5- Allevato, E., Saulino, L., Cesarano, G., Chirico, G. B., D'Urso, G., Bolognesi, S. F., ... & Bonanomi, G. (2019). Canopy damage by spring frost in European beech along the Apennines: effect of latitude, altitude and aspect. *Remote sensing of environment*, 225, 431-440.
- 6- Bonanomi, G., Lorito, M., Vinale, F., Woo, S.L. (2018). Organic amendments, beneficial microbes and soil microbiota: toward a unified framework for disease suppression. *Annual Review of Phytopathology* 56: 1-20.
- 7- Mazzoleni, S., Bonanomi, G., Incerti, G., Chiusano, M. L., Termolino, P., Mingo, A., & Lanzotti, V. (2015). Inhibitory and toxic effects of extracellular self-DNA in litter: a mechanism for negative plant–soil feedbacks? *New Phytologist*, 205(3), 1195-1210.
- 8- Bonanomi, G., Gaglione, S. A., Incerti, G., Zoina, A. (2013). Biochemical quality of organic amendments affects soil fungistasis. *Applied Soil Ecology*, 72, 135-142.
- 9- Bonanomi, G., Incerti, G., Giannino, F., Mingo, A., Lanzotti, V., Mazzoleni, S. (2013). Litter quality assessed by solid state <sup>13</sup>C NMR spectroscopy predicts decay rate better than C/N and Lignin/N ratios. *Soil Biology & Biochemistry*, 56, 40-48.
- 10- Pane, C., Chiantese, C., Scala, F., Bonanomi, G. (2013). Assessment of gardening growing media suppressiveness against *Rhizoctonia* damping-off disease. *Journal of Plant Pathology*, 95(2), 401-405.