

**PERSONAL INFORMATION****Alba N. Mininni**

Affiliation  
 University of Basilicata  
 Department of European and Mediterranean Cultures, Environment, and Cultural Heritage - DiCEM  
 Address Via Lanera, 20 MATERA  
 0039 0835 355269 +39 3332370344  
[alba.mininni@unibas.it](mailto:alba.mininni@unibas.it)  
<http://docenti.unibas.it/site/home/docente.html?m=009387>

Sex Female | Date of birth 10/04/1982 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Researcher RTDA	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator

**WORK EXPERIENCE**

From 1<sup>st</sup> September 2018 to today Researcher RTDA for the scientific disciplinary sector AGR/03 (Arboriculture and Fruitculture) at DiCEM, University of Basilicata (Unibas)  
 From February to March 2020 Research activity at Fitotechniki, Arta (Greece) in the frame of the project VirFree H2020-MSCA-RISE-2016, in collaboration with the Aristotle University of Thessaloniki with a Marie S. Curie RISE H2020 Agreement  
 From 11<sup>th</sup> October 2012 to 28<sup>th</sup> May 2018 Research fellow for the scientific disciplinary sector AGR/03 (Arboriculture and Fruitculture) at DiCEM, Unibas  
 From January to May 2009 Research activity at Molecular Biology Laboratory C.R.E.S.Co.M.A. (Centro di Ricerca di Eccellenza per la Sperimentazione e definizione di nuovi sistemi analitici per il Controllo di Matrici Ambientali ed Alimentari) (Nautilus, Vibo Valentia) in collaboration with University of Padua.

**EDUCATION AND TRAINING**

22 September 2011 PhD in "Veterinary Science and Food Safety" (EQF 8), University of Padua  
 2007-2008 Scholarship holder in Food Biotechnology, UNIPD  
 Academic year 2005-2006 Degree in Food Biotechnology (110/110 cum laude) (EQF 7), University of Padua

**WORK ACTIVITIES**

**Editorial activity**  
 2022 Guest Editor of the Special Issue of the Journal Agronomy "Applications of Soil Microorganisms for Sustainable Crop Production"  
 2021 Co-Editor of the upcoming volume of the ISHS series Acta Horticulturae – IX International Symposium on Irrigation of Horticultural Crops  
 2020 - Associate Editor for the CABI – Springer Nature - Agriculture and Bioscience Journal  
 2020 - Guest Editor of the Special Issue of the Journal Sustainability: "Wastewater reuse for irrigation of rural and urban ecosystem: applications and future perspectives"  
 2019 – Member of Editorial Board of International Journal of Plant Biology  
**Invited presentations**  
 Speaker at the National conference The GreenLink "Affrontare la desertificazione nel Mediterraneo col Cocoon, Rome 23 October 2018 presenting the results of the LIFE 14/CCA/GR/000389 AgroClimaWater

**Grants**

The grants received in the last 5 years coincide with the relevant projects listed below

**PERSONAL SKILLS**

Mother tongue(s) Italian  
 Other language(s) English  
 •Reading ability: B2  
 •Writing skills: B2  
 •Ability on speaking: B2

Job-related skills	Good ability to relate and collaborate with colleagues, users in presence and remotely, public and private stakeholders
Digital skills	Excellent knowledge of Microsoft Office (Word, Excel, Power Point, Outlook). Good knowledge of R and PAST software for data processing and statistical analysis. Good knowledge of bioinformatics software: ClustalX, ClustalW, QIIME 2™, GenScan
Other skills	Expert in evaluating soil fertility indices and assessing plant and soil microbial composition at fruit orchard level; Expert in definition of irrigation, nutrition and soil fertility remediation strategies aimed to increase the resource use efficiency in fruit orchard management.

## ADDITIONAL INFORMATION

### Publications

total number of publications in peer-review journals: 32  
total number of citations: 315, H index: 10

-Mininni A. N., Tuzio A., Brugnoli E., Dichio B., Sofo A. 2022. Carbon isotope discrimination and water use efficiency in interspecific *Prunus* hybrids subjected to drought stress. *Plant Physiology and Biochemistry* Under publication

-Fausto, C., Araniti, F., Mininni, A.N. et al. Differential olive grove management regulates the levels of primary metabolites in xylem sap. *Plant Soil* 460, 281–296 (2021)  
<https://doi.org/10.1007/s11104-020-04800-0>

-Sofo A., Mininni A. N., Ricciuti P. 2020 Comparing the effects of soil fauna on litter decomposition and organic matter turnover in sustainably and conventionally managed olive orchards, *Geoderma*, Volume 372, 2020, 114393, ISSN 0016-7061,  
<https://doi.org/10.1016/j.geoderma.2020.114393>.

-Fausto C., Mininni A. N., Sofo A., Crecchio C., Scagliola M., Dichio B. & Xiloyannis C. 2018 Olive orchard microbiome: characterisation of bacterial communities in soil-plant compartments and their comparison between sustainable and conventional soil management systems, *Plant Ecology & Diversity*, 11:5-6, 597-610, DOI: 10.1080/17550874.2019.1596172

-Pascazio S., Crecchio C., Scagliola M., Mininni A. N., Dichio B., Xiloyannis C., Sofo A., 2018 Microbial-based soil quality indicators in irrigated and rainfed soil portions of Mediterranean olive and peach orchards under sustainable management, *Agricultural Water Management*, 195: 172-179, ISSN 0378-3774, <https://doi.org/10.1016/j.agwat.2017.10.014>.

-Montanaro G., Dichio B., Lang A., Mininni A. N., Xiloyannis C., 2015. Fruit calcium accumulation coupled and uncoupled from its transpiration in kiwifruit. *J. Plant Physiol.* 181: 67-74, DOI: 10.1016/j.jplph.2015.04.004

-Montanaro G., Dichio B., Lang A., Mininni A. N., Nuzzo V., Clearwater M. J., Xiloyannis C., 2014. Internal versus external control of calcium nutrition in kiwifruit. *J. Plant Nutr. Soil Sci.* 177: 819–830, DOI: 10.1002/jpln.201400396.

### Projects

#### RU – Responsible of Research Unit

- (2022-2025) R.U. for DiCEM of UE HORIZON 2020 - PRIMA - 2111 - Call 2021 Section 1 Farming IA FARM4CLIMATE "Smart governance and operational models for agroecological carbon farming" Total Budget 2,749,437.50 euro R.U. 151,500 euro;

- (2019-2022) R.U. for DiCEM of H2020 VirFree Project VirFree H2020-MSCA-RISE-2016-"Virus free fruit nurseries" Total Budget 787,500 euro R.U. 36,000 euro;

- (2020-2023) R.U. for DiCEM of Rural Development Programmes Basilicata 2014-2020, 16.2: Nutri.Fe "Sustainability of fruit agroecosystems: soil fertility and nutrition". PSR 2014-2020 Basilicata sottomis. Total budget 300,000 euro R.U. 104,000 euro;

- (2019-2021) R.U. for DiCEM of LIFE14 AGROCLIMAWATER CCA/GR/000389 "Promoting water efficiency and supporting the shift towards a climate resilient agriculture in Mediterranean countries". Total budget 2,423,223 euro R.U. 303,478 euro;

### Other Relevant Information

Member of the "Italian Society of Italian Horticulture"(SOI); Member of the Italian Society of Arboriculture" (SIA); Member of the "International Society of Horticultural Science" (ISHS).

She actively collaborates with Zespri and the Spin Off company Agreement s.r.l. in research and demonstration activities in the agricultural sector. She also collaborates with many Farmers' Organizations in innovation technology transfer and training.

Matera, 31/01/2022

Dott.ssa Alba N. Mininni

