

## CURRICULUM VITAE DANIELA FARINELLI

Daniela Farinelli graduated in Agricultural Science with full marks in 1993, at the Faculty of Agriculture - University of Perugia (Italy). In 2001 she was doctorate at the Faculty of Agriculture of the University of Perugia. From 1996 up to 2009, she worked at the University of Perugia as Ph. D. student, as scholarship holder and contract worker. From October 2009 to January she was Assistant Professor, and from January 2024 she is Associate Professor at the Department of Agricultural, Food and Environmental Sciences of the University of Perugia, in which she teaches subjects regarding tree fruit cultivation, fruit quality and forestry. In the 2023, she obtained the qualification of full professor.

She has acted as scientific coordinator of several research projects mainly on hazelnut and olive trees, funded by either public institutions or private companies such as:

- 2011-2015 national research project on "Sviluppo del vivaismo e della piattaforma varietale corilicola VI.VA.CO" funded by MiPAAF;
- 2015-2016 regional project on "Innovazione delle tecniche colturali per la sostenibilità e redditività della coltivazione dell'olivo e dei fruttiferi "minori" in Umbria" funded by Fondazione Cassa di Risparmio di Perugia;
- 2015 - 2018 international project on "BeFOre – Bioresources For Oliviculture" (Horizon 2020, MSCA – Research and Innovation Staff Exchange Rise 2014).
- 2019 – 2025 regional project on "Convenzione per la costituzione di un nocciolo sperimentale presso l'azienda Sasse Rami di Ceregnano (Ro) gestita direttamente dall'agenzia veneta per l'innovazione nel settore primario" Veneto Agricoltura;
- 2019-2025 project on hazelnut "Comparison of 4 cultivars and 3 plant materials (own-rooted; micropropagated and grafted)" supported by Vivai Piante Battistini Società Agricola S.S. .
- 2020-2022 "EU project 101007623 - INTACT H2020-MSCA-RISE-2020 (INnovation in Truffle cultivation, preservAtion, proCessing and wild truffle resources management)
- 2020-2030 national project on "Comparison of hazelnut cultivars in different environments" supported by Ferrero Trading Lux S.A.

Her research work has involved the following topics:

a) optimisation of cultivation systems for fruit trees species (hazelnut, olive); b) propagation (cuttings and grafting) of fruit tree species (hazelnut, olive); c) genetic and clonal selection of new varieties; d) selection of pollinators and artificial pollination in olive and hazelnut trees; e) cultivation systems and crop intensification; f) mitigation of summer abiotic stress through grafted plants and/or biostimulants/corrobtorants; g) optimisation of water use in hazelnut trees; h) use of biostimulants in olive tree nurseries.

He has collaborated with various research institutes, both nationally and internationally, such as the University of Talca in Chile and the University of Western Paraná in Brazil.

She is Marie Curie Researcher with project "BeFOre – Bioresources For Oliviculture" Progetto UE (Horizon 2020, MSCA – Research and Innovation Staff Exchange Rise at INTA San Juan – Argentina from March 1st 2016 to March 17<sup>th</sup> 2016 and from July 20<sup>th</sup> to August 1<sup>st</sup> 2018.

Visiting professor at UNIOESTE Paraná State – Brazil teaching lessons on the "physiology of fruit species", for the Program de Pos - Graduação em Agronomia da Univesidade Estadual do Oeste do Paraná, Campus de marechal Cândido Rondon, Estado do Paraná, Brazil, in 2019, 2021, 2023 and 2025.

She has given talks at national and international scientific meetings. She is author of more than 150 papers and reports.

She is a breeder of new hazelnut varieties (Tonda Franciscana®, Tonda Etrusca®, Volumnia I, Volumnia II, Volumnia III and Volumnia IV).

She has been referee of the following scientific journal: HortScience; Biosystems Engineering; HortTechnology; Scientia Horticulturae; Spanish Journal of Agricultural Research; Journal of Agricultural and Food Chemistry; Journal of the Serbian Chemical Society; Sensors; Frontiers in Plant Science.

She is a member of the Italian Horticultural Society and the International Society for Horticultural Science.

She is Topic editor of “Frontiers in Plant Science, Plant Abiotic Stress, Research Topics: Biochemical and Physiological Insights into Plant Adaptation and Resilience Under Abiotic Stresses. <https://www.frontiersin.org/research-topics/70026/biochemical-and-physiological-insights-into-plant-adaptation-and-resilience-under-abiotic-stresses>”

She is Editorial Board Member of Horticulturae, an international peer-reviewed open access journal published monthly online by MDPI. She is Special Issue Editor on "Postharvest Physiology and Technology of Horticultural Crops" of Agriculture (ISSN 2077-0472) section "Agricultural Technology".

Awards:

October 2015 “Ferrero hazelnut award” 2<sup>nd</sup> prize awarded for project “New cultivation system for more profitable and sustainable Hazelnut growing”.

List of the publications:

- In press Portarena S., Tunno I., Ahmed S.W., Brugnoli E., Traini C., Facchin S.L., Rende A., Farinelli D.. Grafting effects on tree-ring traits and abiotic stress resilience in Mediterranean hazelnut cultivation under climate change scenarios. XI International Congress on Hazelnut, Beijing – China, August 4-8 2025. ACTA HORTICULTURAE  
Last author
- In press Traini C., Facchin S.L., de Vargas R.J., Villa F., Sánchez-Piñero M., Meneghini M., Famiani F., Portarena S., Zadra C., Dradi G., Farinelli D. Vegetative development, productivity and quality of the fruits of grafted, own-rooted and micropropagated plants from transplanting to the fifth year in field. XI International Congress on Hazelnut, Beijing – China, August 4-8 2025. ACTA HORTICULTURAE  
Last author
- In press Facchin S.L. , de Vargas R.J., Traini C., Villa F., Portarena S., Sánchez-Piñero M., Farinelli D. First results of artificial pollination by hand sprayer in hazelnut in Italy. XI International Congress on Hazelnut, Beijing – China, August 4-8 2025. ACTA HORTICULTURAE  
Corresponding and last author
- In press Farinelli D., Facchin S.L., Traini C., Balducci M., Celano G., Altieri G., Curcio D., Tedesco A., Botta R., Prezzi E., Valentini N., De Gregorio T., Todeschini C.. Performance assessment of new versus traditional varieties. First results of field trials located in three different areas of Italy. XI International Congress on Hazelnut, Beijing – China, August 4-8 2025. ACTA HORTICULTURAE  
First and corresponding author
- In press Farinelli D., New cultivation models for a sustainable hazelnut orchard management. I International Symposium on Temperate Tree Nuts: from Agroecologically Sustainable to Organic Production, Naples (Italy); August 25-31 2025. ACTA HORTICULTURAE  
First and corresponding author
- In press de Vargas R.J., Traini C., Facchin S.L., Rende A., Cinosi N., Villa F., Vinci A. , Brigante R., Farinelli D.. Heat stress mitigation by different biostimulants on grafted and micropropagated hazelnuts. I International Symposium on Temperate Tree Nuts: from Agroecologically Sustainable to Organic Production, Naples; August 25-31 2025. ACTA HORTICULTURAE

Last author

- In press Ahmed S.W., Cinosi N., Traini ., Brugnoli E., Famiani F., Farinelli D., Portarena S. Comparative assessment of vegetative and productive performance of Moraiolo and Maurino olive cultivars in central Italy. IX International Olive Symposium. Davis, CA (United States of America). September 10-14, 2023. ACTA HORTICULTURAE  
Corresponding author
- 2025 Nicola Cinosi; Mona Mazeh; Alessandro Pilli; Antonio Rende; Daniela Farinelli; Claudio Di Vaio; Adolfo Rosati; Franco Famiani. Agronomic Characteristics of Several Italian Olive Cultivars and Evaluation for High-Density Cultivation in Central Italy. Horticulturae 2025, Volume 11, Issue 9, 1147  
Co-authors  
Q1
- 2025 Portarena S, Saurer M, Brugnoli E, Farinelli D and Cherubini P (2025) Drought response strategies of Arbequina, Arbosana and Koroneiki olive cultivars revealed by ring growth, wood anatomy and d<sup>13</sup>C dynamics. Front. Plant Sci., 04 September 2025 Sec. Crop and Product Physiology Volume 16 - 2025 | <https://doi.org/10.3389/fpls.2025.1623127>  
Co-authors  
Q1
- 2025 Nicola Cinosi, Franco Famiani, Alessandro Pilli, Leen Almadi, Luca Regni, Daniela Farinelli, Claudio Di Vaio, Maurizio Micheli. Nitrogen foliar treatments as a tool to improve in vitro shoot regeneration in olive. HORTSCIENCE 60(8):1326–1328. 2025. <https://doi.org/10.21273/HORTSCI18578-25>  
Co-author  
Q2
- 2025 Rodrigo José de Vargas; Simona Lucia Facchin; Chiara Traini; Nicola Cinosi; Fabiola Villa; Silvia Portarena; Marta Sánchez Piñero; Mauro Brunetti; Angela Baiocco; Matteo Stabile; Daniela Farinelli. The Efficiency of Artificial Pollination on the Hazelnut ‘Tonda Francescana®’ Cultivar and the Xenia Effects of Different Pollinizers. Horticulturae. Horticulturae 2025, 11, 724. <https://doi.org/10.3390/horticulturae11070724>  
Corresponding author and last author  
Q1
- 2025 Brigante, R.; Marconi, L.; Facchin, S.L.; Famiani, F.; Sánchez Piñero, M.; Portarena, S.; De Vargas, R.J.; Villa, F.; Traini, C.; Vinci, A.; Radicioni, F.; Farinelli D. Laser Scanning for Canopy Characterization in Hazelnut Trees: A Preliminary Approach to Define Growth Habitus Descriptor. Agriculture 2025, 15, 1251. <https://doi.org/10.3390/agriculture15121251>  
Corresponding author and last author  
Q1
- 2025 Ritter, G.; de Vargas, R.J.; Farinelli, D.; Cinosi, N.; Traini, C.; Facchin, S.L.; Hiromi Kiahara, L.; da Silva, D.F.; Portarena, S.; Villa, F. Application of Azospirillum brasilense and Humic Substances Improves the Nursery Quality of Olive Seedlings in Pots. Horticulturae 2025, 11, 48. <https://doi.org/10.3390/horticulturae11010048>  
Corresponding author  
Q1
- 2024 Portarena, S.; Proietti, S.; Moscatello, S.; Zadra, C.; Cinosi, N.; Traini, C.; FARINELLI, D. Effect of Tree Density on Yield and Fruit Quality of the Grafted Hazelnut Cultivar ‘Tonda Francescana®’. FOODS 2024, 13, 3307. <https://doi.org/10.3390/foods13203307>  
Last authors  
Q1
- 2024 Vinci A., Brigante R., Traini C., Facchin S.L., S. Portarena, M. Sánchez-Piñero, FARINELLI D., Monitoring of Water Requirement Using Thermal Unmanned Aerial Vehicle (UAV) on Intensive Hazelnut Orchard. Pag. 70-73. 10<sup>th</sup> International Conference on SENSORS AND ELECTRONIC INSTRUMENTATION ADVANCES (SEIA' 2024), 25-27 September 2024, Ibiza (Balearic Islands), Spain. <https://dx.doi.org/10.13140/RG.2.2.36670.50243>  
Last authors
- 2024 Traini C, Facchin SL, Brigante R, Vinci A, Persichetti S, Meneghini M, Micheli M, Famiani F, Portarena S, Dradi G and FARINELLI D (2024) Field performance of grafted, micropropagated, and own-rooted plants of three Italian hazelnut cultivars during the initial four seasons of development. FRONTIERS IN PLANT SCIENCE. 15:1412170. doi: 10.3389/fpls.2024.1412170  
Corresponding authors / last authors  
Q1
- 2024 Almadi, L., Frioni, T., FARINELLI, D., Paoletti, A., Cinosi, N., Rosati, A., ... & Famiani, F.. Dodine an effective alternative to copper for controlling Venturia oleaginea, the causal agent of pea-cock eye disease, in highly infected olive trees. FRONTIERS IN PLANT SCIENCE, 15, 1369048.  
Author  
Q1

- 2024 Grisafi F., Tombesi S, FARINELLI D., Costes E., Durand J-B., Boudon F. Modelling the architecture of hazelnut (*Corylus avellana*) Tonda di Giffoni over two successive years. IN *SILICO PLANTS*, diae004, <https://doi.org/10.1093/insilicoplants/diae004>  
Author  
Q1
- 2024 Portarena S., FARINELLI D., Famiani F., Cinosi N., Traini C., Rezaei N., Brugnoli E. Differential tolerance to summer stress conditions in two olive cultivars using the dendro-isotopic approach. *DENDROCHRONOLOGIA*, Volume 84, 126182 <https://doi.org/10.1016/j.dendro.2024.126182>  
Author  
Q1
- 2024 Cinosi N., Moriconi F., FARINELLI D., Marchionni D., Lodolini E.M., Rosati A, Famiani F. , Effects of summer pruning on the water status and physiology of olive trees and on fruit characteristics and oil quality. *SCIENTIA HORTICULTURAE*, Volume 324, 2024, 112612, ISSN 0304-4238, <https://doi.org/10.1016/j.scienta.2023.112612>.  
Author  
Q1
- 2023 Vinci A., di Lena B., Portarena S., FARINELLI D. Trend Analysis of Different Climate Parameters and Watering Requirements for Hazelnut in Central Italy Related to Climate Change. *HORTICULTURAE*, 9 (5), 593, special issue, New Challenge of Horticultural Crops under Climate Change; <https://doi.org/10.3390/horticulturae9050593>  
Corresponding Author / Last Author  
Q1
- 2023 Vinci A., Traini C., Portarena S., FARINELLI D. Assessment of the mid - season crop coefficient for the evaluation of water demand of young, grafted hazelnut trees in a high-density orchards. *WATER*, special issue Model-Based Irrigation Management. Volume 15, Issue 9, 1683. <https://doi.org/10.3390/w15091683>  
Corresponding Author / Last Author  
Q1
- 2023 Grisafi F., Tombesi S., Farinelli D., Boudon F., Durand J.B., Costes E.  
Analysing the architecture of *Corylus avellana* and parametrizing L. HAZELNUT FSPM 10th International Conference on Functional-Structural Plant Models (FSPM2023)  
  
Author
- 2023 Grisafi, F., Farinelli, D., Costes, E., Boudon, F., Durand, J.B. and Tombesi, S. (2023). Architecture and yield relationship in hazelnut tree. *Acta Hort.* 1366, 331-336  
DOI: 10.17660/ActaHortic.2023.1366.40  
<https://doi.org/10.17660/ActaHortic.2023.1366.40>
- 2023 Grisafi, F., FARINELLI, D., Costes, E., Boudon, F., Durand, J.B. and Tombesi, S.. Analysis of bud and sylleptic shoot distribution along one-year-old shoots of hazelnut (*Corylus avellana*). *Acta Hort.* 1379, 283-290  
DOI: 10.17660/ActaHortic.2023.1379.40  
<https://doi.org/10.17660/ActaHortic.2023.1379.40>
- 2023 Portarena, S., Gavrichkova, O., Brugnoli, E., Battistelli, A., Proietti, S., Moscatello, S., Famiani, F., Zadra, C., Tombesi, S. and FARINELLI, D.. Grafted hazelnut: a sustainable agricultural practice to face summer stressful conditions. *Acta Hort.* 1379, 303-308  
DOI: 10.17660/ActaHortic.2023.1379.43  
<https://doi.org/10.17660/ActaHortic.2023.1379.43>  
Corresponding Author / Last Author
- 2023 Pasqualotto, G., Carraro, V., Suarez Huerta, E., FARINELLI, D., Cristofori, V. and Anfodillo, T. . Radial stem growth dynamics and leaf emergence in *Corylus avellana* L. differ from *Corylus colurna* L. *Acta Hort.* 1379, 291-296  
DOI: 10.17660/ActaHortic.2023.1379.41  
<https://doi.org/10.17660/ActaHortic.2023.1379.41>
- 2023 FARINELLI D., Bernacchia C., Brugnoli E., Portarena S., Zadra C. Influence of pollinizers on fruit quality characteristics in hazelnut cultivar "Tonda Franciscana". *Proc. X International Symposium on Hazelnut, Corvallis (USA)*, *ACTA HORTICULTURAE*. 1379, 199-206  
DOI: 10.17660/ActaHortic.2023.1379.28  
Corresponding Author / First Author
- 2023 Castro Garcia S., FARINELLI D., Ferguson L., Gil-Ribes J.A. , Famiani F. Olive harvesting. In: *The Olive: Botany and Production*. Fabbri A., Baldoni L., Caruso T., Famiani F. - Editors. CABI, Wallingford, Oxfordshire, UK.
- 2023 Cinosi N., Portarena S., Almadi L., Berrettini A., Torres M., Pierantozzi P., Villa F., Galletti A., Famiani F., FARINELLI D.

- Use of portable devices and an innovative and non-destructive index for in-field monitoring of olive fruit ripeness. *AGRICULTURE*, vol. 13, p. 1-13, ISSN: 2077-0472, doi: 10.3390/agriculture13010194  
Corresponding Author / Last Author  
Q2
- 2023 Vinci A., Brigante R., Traini C., FARINELLI D. . Geometrical characterization of hazelnut trees in an intensive orchard by an Unmanned Aerial Vehicle (UAV) for Precision Agriculture applications. *REMOTE SENSING*, vol. 15, p. 541-556, ISSN: 2072-4292, doi: 10.3390/rs15020541  
Last Author  
Q1
- 2023 Grisafi, F., FARINELLI, D., Costes, E., Boudon, F., Durand, J. B., & Tombesi, S. (2022, August). Architecture and yield relationship in hazelnut tree. In XXXI International Horticultural Congress (IHC2022): International Symposium on Innovative Perennial Crops Management 1366 (pp. 331-336).
- 2022 Vinci A., Traini C., Brigante R., FARINELLI D. Assessment of the geometrical characteristics of hazelnut intensive orchard by an Unmanned Aerial Vehicle (UAV). In: 2022 IEEE Workshop on Metrology for Agriculture and Forestry (MetroAgriFor). IEEE. doi: 10.1109/MetroAgriFor55389.2022.9964832  
Last Author
- 2022 Portarena S. Gavrichkova O., Brugnoli E., Battistelli A., Proietti S., Moscatello S., Famiani F., Tombesi S., Zadra C., FARINELLI D. Carbon allocation strategies and water uptake in young grafted and own-rooted hazelnut (*Corylus avellana* L.) Cultivars. *TREE PHYSIOLOGY*, vol. 42, p. 939-957, ISSN: 1758- 4469, doi: 10.1093/treephys/tpab164  
Corresponding Author / Last Author  
Q1
- 2022 Di Lena B., Curci G., Vergni L., FARINELLI D. Climatic Suitability of Different Areas in Abruzzo, Central Italy, for the Cultivation of Hazelnut. *HORTICULTURAE*, vol. 8, ISSN: 2311-7524, doi: 10.3390/horticulturae8070580  
Corresponding Author / Last Author  
Q1
- 2022 Famiani F., Cinosi N., Paoletti A., FARINELLI D., Rosati A., Lodolini E.M. . Deflowering as a Tool to Accelerate Growth of Young Trees in Both Intensive and Super-High-Density Olive Orchards. *AGRONOMY*, vol. 12, ISSN: 2073-4395, doi: 10.3390/agronomy12102319  
Q1
- 2022 Farinelli D., Luciani E., Villa F., Manzo A., Tombesi S. . First selection of non-suckering rootstocks for hazelnut cultivars. *ACTA HORTICULTURAE*, vol. n. 1346, 699-708 DOI: 10.17660/ActaHortic.2022.1346.88  
Corresponding Author / First Author
- 2021 Breton C. M., FARINELLI D., Koubouris G., Famiani F., Raymond M., Bervillé A.. A Dual-Successive-Screen Model at Pollen/Stigma and Pollen Tube/Ovary Explaining Paradoxical Self-Incompatibility Diagnosis in the Olive Tree—An Interpretative Update of the Literature. *PLANTS*, vol. 10 (9), p. 1-18, ISSN: 2223-7747, doi: 10.3390/plants10091938  
Q1
- 2021 FARINELLI D., Portarena S., da Silva Fernandes D., Traini C., Menegazzo da Silva G., Costa da Silva E., Ferreira da Veiga J., Pollegioni P., Villa F. . Variability of Fruit Quality among 103 Acerola (*Malpighia emarginata* D. C.) Phenotypes from the Subtropical Region of Brazil. *AGRICULTURE*, vol. 11, p. 1-19, ISSN: 2077-0472, doi: 10.3390/agriculture11111078  
Corresponding Author / First Author  
Q2
- 2020 Famiani F., FARINELLI D., Urbani S., Al Hariri R., Paoletti A., Rosati A., Esposto S., Selvaggini R., Taticchi A., Servili M. . Harvesting system and fruit storage affect basic quality parameters and phenolic and volatile compounds of oils from intensive and super-intensive olive orchards. *SCIENTIA HORTICULTURAE*, vol. 263, ISSN: 0304-4238, doi: 10.1016/j.scienta.2019.109045  
Co-First Author  
Q1

- 2020 Luciani E., Palliotti A., Frioni T., Tombesi S., Villa F., Zadra C., FARINELLI D. . Kaolin treatments on Tonda Giffoni hazelnut (*Corylus avellana* L.) for the control of heat stress damages. SCIENTIA HORTICULTURAE, vol. 263, p. 1-6, ISSN: 0304-4238, doi: 10.1016/j.scienta.2019.109097  
Corresponding Author / Last Author  
Q1
- 2020 Famiani F., Bonghi C., Chen Z. H., Drincovich M. F., FARINELLI D., Lara M. V., Proietti S., Rosati A., Vizzotto G., Walker R. P.. Stone Fruits: Growth and Nitrogen and Organic Acid Metabolism in the Fruits and Seeds—A Review. FRONTIERS IN PLANT SCIENCE, vol. 11, ISSN: 1664-462X, doi: 10.3389/fpls.2020.572601  
Q1
- 2020 Ghisoni S., Lucini L., Rocchetti G., Chiodelli G., FARINELLI D., Tombesi S., Trevisan M.. Untargeted metabolomics with multivariate analysis to discriminate hazelnut (*Corylus avellana* L.) cultivars and their geographical origin. JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol. 100, p. 500-508, ISSN: 1097-0010, doi: 10.1002/jsfa.9998  
Q1
- 2019 Ghisoni S., Lucinia L., Angilletta F., Rocchetti G., FARINELLI D., Tombesi S., Trevisan M.. Discrimination of extra-virgin-olive oils from different cultivars and geographical origins by untargeted metabolomics. FOOD RESEARCH INTERNATIONAL, Vo.121, p. 746-753, ISSN: 0963- 9969, doi: 10.1016/j.foodres.2018.12.052  
Q1
- 2019 Portarena S., Anselmi C., Zadra C., FARINELLI D., Famiani F., Baldacchini C., Brugnoli E.. Cultivar discrimination, fatty acid profile and carotenoid characterization of monovarietal olive oils by Raman spectroscopy at a single glance. FOOD CONTROL, vol. 96, p. 137-145, ISSN: 0956-7135, doi: 10.1016/j.foodcont.2018.09.011  
Q1
- 2019 Portarena S., Leonardi L., Scartazza A., Lauteri M., Baldacchini C., FARINELLI D., Famiani F., Cioffi M., Brugnoli E.. Combining analysis of fatty acid composition and d13C in extra-virgin olive oils as affected by harvest period and cultivar: possible use in traceability studies. FOOD CONTROL, vol. 105, p. 151-158, ISSN: 0956-7135, doi: 10.1016/j.foodcont.2019.05.029  
Q1
- 2019 Luciani E., Palliotti A., Tombesi S., Gardi T., Micheli M., Berrios J.G., Zadra C., FARINELLI D.. Mitigation of multiple summer stresses on hazelnut (*Corylus avellana* L.): effects of the new arbuscular mycorrhiza *Glomus iranicum tenuihypharum* sp. nova. SCIENTIA HORTICULTURAE, vol. 257, p. 1-7, ISSN: 0304-4238, doi: 10.1016/j.scienta.2019.108659  
Corresponding Author / Last Author  
Q1
- 2019 Cincera I., Frioni T., Ughini V., Poni S., FARINELLI D., Tombesi S.. Intraspecific variability of stomatal sensitivity to vapour pressure deficit in *Corylus avellana* L.: a candidate factor influencing different adaptability to different climates? JOURNAL OF PLANT PHYSIOLOGY, vol. 232, p. 241-247, ISSN: 0176-1617, doi: 10.1016/j.jplph.2018.11.019  
Q1
- 2019 Famiani F., FARINELLI D., Gardi T., Rosati A.. The cost of flowering in olive (*Olea europaea* L.). SCIENTIA HORTICULTURAE, vol. 252, p. 268-273, ISSN: 0304-4238, doi: 10.1016/j.scienta.2019.03.008  
Q1
- 2019 Luciani L., Frioni T., Tombesi S., FARINELLI D., Gardi T., Ricci A., Sabbatini P., Palliotti A.. Effects of a new arbuscular mycorrhizal fungus (*Glomus iranicum*) on grapevine development. In: Vineyard Management and Adaptation to Climate Change. BIO WEB OF CONFERENCES, vol. 13, n. 04018., p. 1-5, BIO Web of Conferences, ISSN: 2117-4458, Piacenza,, 9 - 11 luglio 2018, doi: 10.1051/bioconf/20191304018
- 2018 Castillo-Ruiz F. J., Tombesi S., FARINELLI D.. Olive fruit detachment force against pulling and torsional stress. SPANISH JOURNAL OF AGRICULTURAL RESEARCH, vol. Volume 16,, p. 202-212, ISSN: 1695- 971X, doi: 10.5424/sjar/2018161-12269  
Last Author  
Q3

- 2018 FARINELLI D., Breton C., Koubouris G., Famiani F., Villemur P., Bervillé A. . Reply to Saumitou-Laprade et al. (2017) "Controlling for genetic identity of varieties, pollen contamination and stigma receptivity is essential to characterize the self-incompatibility system of *Olea europaea* L.". *Eva*: <https://doi.org/10.1111/eva.12498>. *EVOLUTIONARY APPLICATIONS*, vol. 11, p. 1465-1470, ISSN: 1752-4571, doi: 10.1111/eva.12633  
Corresponding Author / First Author  
Q1
- 2018 Micheli M., da Silva Fernandes D., Pio R., FARINELLI D., Agate G., Famiani F.. Neem oil used as a "complex mixture" to improve in vitro shoot proliferation in olive. *HORTSCIENCE*, vol. 53, p. 531- 534, ISSN: 0018-5345, doi: 10.21273/HORTSCI12731-17  
Q2
- 2018 Tombesi S., FARINELLI D., Palliotti A., Poni S., DeJong T. M. . Xylem manipulation techniques affecting tree vigour in peach and olive trees. *ACTA HORTICULTURAE*, n. 1228, p. 91-96, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2018.1228.12
- 2018 Tombesi S., Micheli M., Boco M., FARINELLI D.. Application of additive light increases leafy cutting rooting and survival in hazelnut (*Corylus avellana* L.). *ACTA HORTICULTURAE*, n. 1226, p. 225- 230, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2018.1226.33  
Last Author
- 2018 Castillo Ruiz F. J., Tombesi S., FARINELLI D.. Tracking olive fruit movement and twisting during the harvesting process using video analysis. *ACTA HORTICULTURAE*, n. 1199, p. 409-414, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2018.1199.65  
Corresponding Author / Last Author
- 2018 Di Lena B., FARINELLI D., Palliotti A., Poni S., De Jong T. M., Tombesi, S. . Impact of climate change on the possible expansion of almond cultivation area pole-ward: a case study of Abruzzo, Italy. *JOURNAL OF HORTICULTURAL SCIENCE AND BIOTECHNOLOGY*, vol. 93, p. 209- 215, ISSN: 1462-0316, doi: 10.1080/14620316.2017.1357433  
Q2
- 2017 Tombesi S., Poni S., Palliotti A., FARINELLI D.. Mechanical vibration transmission and harvesting effectiveness is affected by the presence of branch suckers in olive trees. *BIOSYSTEMS ENGINEERING*, vol. 158, p. 1-9, ISSN: 1537-5110, doi: 10.1016/j.biosystemseng.2017.03.010  
Last Author  
Q1
- 2017 Tombesi S., FARINELLI D.. Modelling of pruning technique effects on branch architecture and subsequent year shoot flowering in hazelnut. *ACTA HORTICULTURAE*, vol. 1160, p. 141-144, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2017.1160.20  
Last Author
- 2017 Tombesi S., FARINELLI D.. Canopy management in super high density olive orchards: relationship between canopy light penetration, canopy size and productivity. *ACTA HORTICULTURAE*, vol. n. 1177, p. 87-92, ISBN: 978-946261173-3, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2017.1177.9  
Last Author
- 2015 FARINELLI D., Breton C. M., Famiani F., Bervillé A. . Specific features in the model of olive self-incompatibility system: method to decipher S-allele pairs for varieties spread worldwide. *SCIENTIA HORTICULTURAE*, vol. 181, p. 62-75, ISSN: 0304-4238, doi: 10.1016/j.scienta.2014.10.056  
First author  
Q1
- 2016 Famiani F., FARINELLI D., Moscatello, S., Battistelli, A., Leegood, C. R., Walker, R. P.. The contribution of stored malate and citrate to the substrate requirements of metabolism of ripening peach (*Prunus persica* L. Batsch) flesh is negligible. Implications for the occurrence of phosphoenolpyruvate carboxykinase and gluconeogenesis. *PLANT PHYSIOLOGY AND BIOCHEMISTRY*, vol. 101, p. 33-42, ISSN: 0981-9428, doi: 10.1016/j.plaphy.2016.01.007.  
Q1
- 2016 Famiani F., FARINELLI D., Frioni T., Palliotti A., Battistelli, A., Moscatello, S., Walker, R. P. Malate as substrate for

catabolism and gluconeogenesis during ripening in the pericarp of different grape cultivars. *BIOLOGIA PLANTARUM*, vol. 60, p. 155-162, ISSN: 0006- 3134, doi: 10.1007/s10535-015-0574-2

Q2

2016 Tombesi S., FARINELLI D.. Trunk constriction effects on vegetative vigour and yield efficiency in olive tree (*Olea europaea* L.). *JOURNAL OF AGRICULTURAL SCIENCE AND TECHNOLOGY*, vol. 18, p. 1667-1680, ISSN: 1680-7073, doi: 10.1093/aobpla/plq01

Last Author

Q2

2016 Breton C. M., FARINELLI D., Koubouris G., Berville A. A model based on S-allele dominance relationships to explain pseudo self-fertility of varieties in the olive tree. *EUPHYTICA*, vol. 210, p. 105-117, doi: 10.1007/s10681-016-1708-0

Q2

2015 Tombesi S., Nardini A., Frioni T., Soccolini M., Zadra C., FARINELLI D., Poni S., Palliotti A.. Stomatal closure is induced by hydraulic signals and maintained by ABA in drought-stressed grapevine. *SCIENTIFIC REPORTS*, vol. 5, p. 1-12, ISSN: 2045-2322, doi: 10.1038/srep12449

Q1

2015 Baldicchi A., FARINELLI D., Micheli M., Di Vaio C., Moscatello S., Battistelli A., Walker R. P., Famiani F.. Analysis of seed growth, fruit growth and composition and PEPCK occurrence in apricot (*Prunus armeniaca* L.). *SCIENTIA HORTICULTURAE*, vol. 186, p. 38-46, ISSN: 0304-4238, doi: 10.1016/j.scienta.2015.01.025

Q1

2015 FARINELLI D., Tombesi S. . Performance and oil quality of 'Arbequina' and four Italian olive cultivars under super high density hedgerow planting system cultivated in central Italy.. *SCIENTIA HORTICULTURAE*, vol. n. 192, p. 97-107, ISSN: 0304-4238, doi: 10.1016/j.scienta.2015.04.035

Corresponding Author / First Author

Q1

2015 Portarena S., FARINELLI D., Lauteri M., Famiani F., Esti M., Brugnoli E. . Stable isotope and fatty acid compositions of monovarietal olive oils: Implications of ripening stage and climate effects as determinants in traceability studies. *FOOD CONTROL*, vol. 57, p. 129-135, ISSN: 0956-7135, doi: 10.1016/j.foodcont.2015.03.052

Co-First Author

Q1

2015 Tombesi, S., Palliotti A., Poni, S., FARINELLI D.. Influence of light and shoot development stage on leaf photosynthesis and carbohydrate status during the adventitious root formation in cuttings of *Corylus avellana* L.. *FRONTIERS IN PLANT SCIENCE*, vol. n. 9, p. 1-13, ISSN: 1664- 462X, doi: 10.3389/fpls.2015.00973

Last Author

Q1

2015 FARINELLI D., Breton C. M., Famiani F., Berville A.. Specific features in the model of olive self-incompatibility system: method to decipher S-allele pairs for varieties spread worldwide. *SCIENTIA HORTICULTURAE*, vol. 181, p. 62-75, ISSN: 0304-4238, doi: 10.1016/j.scienta.2014.10.056

First Author

Q1

2014 Breton M. C., FARINELLI, Daniela, Shafiq S., Heslop – Harrison J. S, Sedgley M., Berveillé A.. The self-incompatibility mating system of the olive (*Olea europaea* L.) functions with dominance between S-alleles. *TREE GENETICS & GENOMES*, vol. 10, p. 1055-1067, ISSN: 1614-2950, doi: 10.1007/s11295-014-0742-0

Co-First Author

Q1

2014 Tombesi S., Molfese M., Cipolletti M., Visco T., FARINELLI D.. Pruning technique in young high density hedgerow olive orchards. *ACTA HORTICULTURAE*, n. 1057, p. 385-390, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2014.1057.47

Corresponding Author / Last Author

- 2014 Famiani F., FARINELLI D., Rollo S., Camposeo S., Di Vaio C., Inglese P.. Evaluation of different mechanical fruit harvesting systems and oil quality in very large size olive trees. SPANISH JOURNAL OF AGRICULTURAL RESEARCH, n. 12, p. 960-972, ISSN: 2171-9292, doi: 10.5424/sjar/2014124-5794  
Q3
- 2014 Tombesi S., FARINELLI D.. Evaluation of canopy elasticity, light penetration and reciprocal shading for optimal canopy management in high density hedgerow olive orchards. ACTA HORTICULTURAE, n. 1057, p. 385-390, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2014.1057.36  
Last Author
- 2014 Famiani F., FARINELLI D., Palliotti A., Moscatello S., Battistelli A., Walker R. P.. Is stored malate the quantitatively most important substrate utilised by respiration and ethanolic fermentation in grape berry pericarp during ripening?. PLANT PHYSIOLOGY AND BIOCHEMISTRY, vol. 76, p. 52-57, ISSN: 0981-9428, doi: 10.1016/j.plaphy.2013.12.017  
Q1
- 2014 Tombesi S., Nardini A., FARINELLI D., Palliotti A.. Relationships between stomatal behaviour, xylem vulnerability to cavitation and leaf water relations in two cultivars of *Vitis vinifera* L. PHYSIOLOGIA PLANTARUM, vol. 152, p. 453-464, ISSN: 0031-9317, doi: 10.1111/ppl.12180  
Q1
- 2014 Tombesi S., FARINELLI D.. Relationships between flower density and shoot length in hazelnut (*Corylus avellana* L.). ACTA HORTICULTURAE, n. 1052, p. 137-142, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2014.1052.17  
Corresponding Author / Last Author
- 2012 FARINELLI D., Ruffolo M., Boco M., Tombesi A.. Yield efficiency and mechanical harvesting with trunk shaker of some international olive cultivars. ACTA HORTICULTURAE, n. 949, p. 379-384, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2012.949.55  
Corresponding Author / First Author
- 2012 Tombesi S., FARINELLI D.. Xylem characteristics in some cultivars of *Corylus avellana* L.. ACTA HORTICULTURAE, n. 940, p. 239-244, ISSN: 0567-7572, doi: DOI 10.17660/ActaHortic.2012.940.32  
Last Author
- 2012 Tombesi A., FARINELLI D., Pilli M., Ruffolo M.. Work productivity of teams with different pruning tools in olive. ACTA HORTICULTURAE, n. 949, p. 595-600, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2012.949.87
- 2012 FARINELLI D., Tombesi S., Famiani F., Tombesi A.. The fruit detachment force/fruit weight ratio can be used to predict the harvesting yield and the efficiency of trunk shakers on mechanical olive harvesting. 2012 ACTA HORTICULTURAE, n. 965, p. 61-64, ISSN: 0567- 7572, doi: 10.17660/ActaHortic.2012.965.5  
Corresponding Author / Last Author
- 2012 Tombesi A., FARINELLI, D., Ruffolo M., Sforza A.. First results of olive mechanical pruning. ACTA HORTICULTURAE, n. 949, p. 409-414, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2012.949.60
- 2012 Bellincontro A., Taticchi A., Servili M., Esposto S., FARINELLI D., Mencarelli F.. Feasible application of a portable NIR-AOTF tool for on-field prediction of phenolic compounds during the ripening of olives for oil production. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol. 60, p. 2665-2673, ISSN: 0021-8561, doi: 10.1021/jf203925a  
Q1
- 2012 FARINELLI D., Pierantozzi P., Palese A. M. . Pollinizer and Cultivar Influence Seed Number and Fruit Characteristics in *Olea europaea* L.. HORTSCIENCE, vol. 47, p. 1430-1437, ISSN: 0018-5345, doi: <http://hortsci.ashspublications.org/content/47/10/1430.full?sid=a8a08627-97bd4a19-970c-b96e4f150a9a>  
Corresponding Author / First Author  
Q2
- 2012 Famiani F., Baldicchi A., FARINELLI D., Cruz Castillo J. G., Marocchi F., Mastroleo F., Moscatello S., Proietti S., Battistelli A.. Yield affects qualitative kiwifruit characteristics and dry matter content may be an indicator of both quality and storability. SCIENTIA HORTICULTURAE, vol. 146, p. 124-130, ISSN: 0304-4238, doi: 10.1016/j.scienta.2012.08.009  
Q1

- 2011 FARINELLI D., Onorati L., Ruffolo M., Tombesi A.. Mechanical pruning of adult olive trees and influence on yield and on efficiency of mechanical harvesting. ACTA HORTICULTURAE, n. 924, p. 203-210, ISSN: 0567-7572  
Corresponding Author / First Author
- 2011 Moscatello S., Famiani F., Proietti S., FARINELLI D., Battistelli A.. Sucrose synthase dominates carbohydrate metabolism and relative growth rate in growing kiwifruit (*Actinidia deliciosa*, cv Hayward). SCIENTIA HORTICULTURAE, vol. 128, p. 197-205, ISSN: 0304-4238, doi: 10.1016/j.scienta.2011.01.013  
Q1
- 2011 Tombesi A., Proietti P., Iacovelli G., Tombesi S., FARINELLI D.. Vegetative and productive behaviour of four olive Italian cultivars and Arbequina according to superintensive olive training system in Central Italy. ACTA HORTICULTURAE, n. 924, p. 211-218, ISSN: 0567-7572  
Last Author
- 2009 FARINELLI D., Zadra C., Marucchini C., Tombesi A.. Sensory analysis and headspace / gas chromatography of italian hazelnut varieties.. ACTA HORTICULTURAE, n. 845 p. 665-670, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2009.845.104  
Corresponding Author / First Author
- 2009 FARINELLI D., Boco M., Tombesi A. . Productive and organoleptic evaluation of new hazelnut crosses. ACTA HORTICULTURAE, n. 845, p. 651-656, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2009.845.102  
Corresponding Author / First Author
- 2009 De Salvador F. R., Proietti G., Lolletti D., Delfini M., Di Cocco M. E., Tombesi A., FARINELLI D.. Influence of pedoclimatic conditions and orchard management on fruit quality characteristics in cv.s Tonda Gentile Romana and Tonda Giffoni. ACTA HORTICULTURAE, n. 845, p. 599-606, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2009.845.94
- 2008 FARINELLI D., Hassani D., Tombesi A. Paternal and maternal effects on seed characteristics of olive cultivars. ACTA HORTICULTURAE, n. 791, p. 121-125, ISSN: 0567- 7572, doi: 10.17660/ActaHortic.2008.791.15  
First Author
- 2008 FARINELLI D., Hassani D., Tombesi A.. Self – sterility and cross – pollination responses of nine olive cultivars in Central Italy. ACTA HORTICULTURAE, n. 791, p. 127-136, ISSN: 0567-7572, doi: 10.17660/ActaHortic.2008.791.16  
Corresponding Author / First Author
- 2006 FARINELLI D., Boco M., Tombesi A.. Results of four years of observations on self – sterility behaviour of several olive cultivars and significance of cross – pollination. Proceedings of Second International Seminar on “Biotechnology and quality of olive tree products around the Mediterranean Basin – Olivebioteq”, Vol. I: 275-282.  
Corresponding Author / First Author
- 2006 FARINELLI D., Proietti P., Papagni G., Famiani F., Guelfi P.. Effects of irrigation on olive and productive activity and on oil quality in Central Italy. Proceedings of Second International Seminar on “Biotechnology and quality of olive tree products around the Mediterranean Basin – Olivebioteq” Vol. II: 193-196.  
Corresponding Author / First Author