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| Photo              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Profile            | <ul style="list-style-type: none"> <li>- Internship as a Visiting Researcher at the University of California, Davis (October 2023 – July 2024).</li> <li>- Workshop “Introduction to the Command Line for Bioinformatics” at the University of California, Davis (June 2024).</li> <li>- Training Programme “Affordable Phenotyping (EMPHASIS)” in Matera – Metaponto (Italy – 2023).</li> <li>- Tutor in the disciplinary field "Horticulture (AGR/03)" at the University of Palermo (March 2022 – July 2023).</li> <li>- Summer School "CROSSLAND Cross-disciplinary spatial approaches to study long term landscape dynamics" organized by The Department of Human Geography of Stockholm University in the University of Santiago de Compostela (Spain - July 2022).</li> <li>- Scholarship at the University of Palermo, Department of Agricultural, Food and Forest Science (SAAF) concerning the “Optimization of agronomic management of superintensive olive trees (<i>Olea europaea</i> L.) using smart technologies” (July 2021 – October 2021).</li> <li>- National qualification to practice as a Dr. Agronomist (June 2021).</li> <li>- Master's Degree in Agricultural Production and Technologies at the University of Palermo (October 2020).</li> <li>- Tutor in the disciplinary field "Agricultural Hydraulics (AGR/08)" at the University of Palermo (July 2019 – July 2020).</li> <li>- ERASMUS+ program for Higher Education "Sustainable Management of Cultural Landscape (SU.M.CU.LA)" held at the University of Gothenburg (Pécs, Hungary - October 2019).</li> <li>- Stage at National Research Centre CREA-OFA in Rome, where the activities were carried out with the research group on genetic improvement in the breeding of fruit plants (July 2019 – September 2019).</li> <li>- Bachelor's Degree in Agricultural Science and Technologies at the University of Palermo (July 2018).</li> </ul> |
| Expertise          | <ul style="list-style-type: none"> <li>- Molecular genetics</li> <li>- Plants abiotic stress</li> <li>- Proximal sensing</li> <li>- Plant Ecophysiology</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Advisor            | Prof. Francesco Paolo Marra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Co-advisor         | Dott.ssa Annalisa Marchese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Thesis topics      | Gene expression associated with abiotic stress in olive trees ( <i>Olea europaea</i> L.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Research interests | <ul style="list-style-type: none"> <li>- Plant Ecophysiology</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|                      | <ul style="list-style-type: none"> <li>- Plant Abiotic and Biotic Stress</li> <li>- Molecular genetics</li> <li>- Horticulture</li> <li>- Precision farming</li> <li>- Sustainable Agriculture</li> <li>- Climate modeling</li> <li>- Climate change</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Link to publications | <ul style="list-style-type: none"> <li>• Massenti, R., Ioppolo, A., Carella, A., <b>Imperiale, V.</b>, Lo Bianco, R., Servili, M., Selvaggini, R. and Caruso, T., Growth, yield and oil quality of adult pedestrian olive orchards grown at four different planting systems. <i>Frontiers in Plant Science</i>, 15, p.1416548 [<i>Provisionally accepted</i>].<br/><a href="https://www.frontiersin.org/journals/plant-science/articles/10.3389/fpls.2024.1416548/abstract">https://www.frontiersin.org/journals/plant-science/articles/10.3389/fpls.2024.1416548/abstract</a></li> <li>• Marchese, A., Balan, B., Trippa, D.A., Bonanno, F., Caruso, T., <b>Imperiale, V.</b>, Marra, F.P. and Giovino, A., 2023. NGS transcriptomic analysis uncovers the possible resistance mechanisms of olive to <i>Spilotea oleagina</i> leaf spot infection. <i>Frontiers in Plant Science</i>, 14, p.1219580.<br/><a href="https://doi.org/10.3389/fpls.2023.1219580">https://doi.org/10.3389/fpls.2023.1219580</a></li> <li>• Marchese, A., Bonanno, F., Marra, F.P., Trippa, D.A., Zelasco, S., Rizzo, S., Giovino, A., <b>Imperiale, V.</b>, Ioppolo, A., Sala, G. and Granata, I., 2023. Recovery and genotyping ancient Sicilian monumental olive trees. <i>Frontiers in Conservation Science</i>, 4, p.1206832.<br/><a href="https://doi.org/10.3389/fcsc.2023.1206832">https://doi.org/10.3389/fcsc.2023.1206832</a></li> <li>• <b>Imperiale, V.</b>, Cutuli, M., Marchese, A., Trippa, D.A., Caruso, T. and Marra, F.P. (2022). Estimation of chilling and heat requirements of six sweet cherry (<i>Prunus avium</i> L.) cultivars. <i>Acta Hort.</i> 1342, 115-122.<br/><a href="https://doi.org/10.17660/ActaHortic.2022.1342.16">https://doi.org/10.17660/ActaHortic.2022.1342.16</a></li> </ul> |

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