

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ph.D. Student        | Arianna Ragona                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Photo                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Phone                | +39 3928659694                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| E-mail               | arianna.ragona@unipa.it                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Orc-ID               | <a href="https://orcid.org/0009-0005-0714-6082">https://orcid.org/0009-0005-0714-6082</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Location             | Department of Agricultural, Food and Forest Science (SAAF), Viale delle Scienze, Building 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Profile              | <ul style="list-style-type: none"> <li>- Bachelor Degree in Agricultural Science and Technologies at University of Palermo, 2022;</li> <li>- XXVII National Congress Italian Phytopathological Society, 2022</li> <li>- 6th Physiopathology School, 2022;</li> <li>- XXVIII National Congress Italian Phytopathological Society, 2023</li> <li>- Contribution winner "Young Researchers in Training" per la partecipazione al XXVIII CONVEGNO DELLA SOCIETÀ ITALIANA DI PATOLOGIA VEGETALE (SIPaV)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Expertise            | <ul style="list-style-type: none"> <li>- Plant pathology</li> <li>- Plant Disease Diagnosis</li> <li>- DNA - RNA sequencing</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Advisor              | Prof. Salvatore Davino                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Co-advisor           | Prof.ssa Barbara Rosy Ines Manachini                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Thesis topics        | Insight the dynamics of alien viruses in tomato crops in Sicily                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Research interests   | <ul style="list-style-type: none"> <li>- Rapid Detection of viruses</li> <li>- Genetic Structure and Molecular Variability</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Link to publications | <p>Caruso, A. G., Bertacca, S., Ragona, A., Matić, S., Davino, S., &amp; Panno, S. (2022). Epidemiological survey of grapevine leafroll-associated virus 1 and 3 in sicily (Italy): genetic structure and molecular variability. <i>Agriculture</i>, 12(5), 647. <a href="https://www.mdpi.com/2077-0472/12/5/647">https://www.mdpi.com/2077-0472/12/5/647</a></p> <p>Caruso, A. G., Bertacca, S., Ragona, A., Matić, S., Davino, S., &amp; Panno, S. (2022). Evolutionary Analysis of Grapevine Virus A: Insights into the Dispersion in Sicily (Italy). <i>Agriculture</i>, 12(6), 835. <a href="https://www.mdpi.com/2077-0472/12/6/835">https://www.mdpi.com/2077-0472/12/6/835</a></p> <p>Caruso, A. G., Ragona, A., Bertacca, S., Montoya, M. A. M., Panno, S., &amp; Davino, S. (2023). Development of an in-field real-time LAMP assay for rapid detection of tomato leaf curl New Delhi virus. <i>Plants</i>, 12(7), 1487. <a href="https://www.mdpi.com/2223-7747/12/7/1487">https://www.mdpi.com/2223-7747/12/7/1487</a></p> <p>Caruso, A. G., Bertacca, S., Ragona, A., Agrò, G., Font-San-Ambrosio, M. I., Alfaro-Fernández, A., ... &amp; Davino, S. (2023). Detection by sensitive real-time reverse transcription loop-mediated isothermal amplification of Olive Leaf Yellowing Associated Virus and its incidence in Italy and Spain. <i>Horticulturae</i>, 9(6), 702. <a href="https://www.mdpi.com/2311-7524/9/6/702">https://www.mdpi.com/2311-7524/9/6/702</a></p> |

Caruso, A. G., Panno, S., Ragona, A., Peiró, R., Vetrano, F., Moncada, A., ... & Davino, S. (2024). Screening Local Sicilian Tomato Ecotypes to Evaluate the Response of Tomato Brown Rugose Fruit Virus Infection. *Agronomy*, 14(3), 412.

<https://www.mdpi.com/2073-4395/14/3/412>

Caruso, A. G., Ragona, A., Agrò, G., Bertacca, S., Yahyaoui, E., Galipienso, L., ... & Davino, S. (2024). Rapid detection of tomato spotted wilt virus by real-time RT-LAMP and in-field application. *Journal of plant pathology*, 1-16.

<https://link.springer.com/article/10.1007/s42161-024-01613-3>

Panno, S., Ragona, A., Bertacca, S., Agrò, G., Yahyaoui, E., Dimauro, B., ... & Davino, S. (2024). Outbreak of tomato fruit blotch virus in the most relevant tomato greenhouse production area of Sicily. *Journal of Plant Pathology*, 1-1.

<https://link.springer.com/article/10.1007/s42161-024-01623-1>

Caruso, A. G., Tortorici, S., Davino, S., Bertacca, S., Ragona, A., Lo Verde, G., ... & Panno, S. (2024). The invasive tomato pest *Tuta absoluta* can transmit the emergent tomato brown rugose fruit virus. *Entomologia Generalis*, 44, 289-296.

[https://www.researchgate.net/profile/Roberto-Rizzo-](https://www.researchgate.net/profile/Roberto-Rizzo-6/publication/379355268)

[6/publication/379355268](https://www.researchgate.net/profile/Roberto-Rizzo-6/publication/379355268) [The invasive tomato pest Tuta absoluta can transmit the emergent tomato brown rugose fruit virus/links/66505d44479366623a0ba396/The-invasive-tomato-pest-Tuta-absoluta-can-transmit-the-emergent-tomato-brown-rugose-fruit-virus.pdf](https://www.researchgate.net/profile/Roberto-Rizzo-6/publication/379355268)

“Il/La sottoscritto/a, **Arianna Ragona** autorizza l'Università degli Studi di Palermo nell'esercizio delle sue funzioni istituzionali, ai sensi dell'art. 97 della legge in materia di diritto di autore (legge n. 633 del 22 aprile 1943), all'utilizzo dell'immagine relativa alla mia persona, alla sua riproduzione su qualsiasi supporto tecnico e/o multimediale conosciuto e futuro, alla sua diffusione su qualsiasi piattaforma web dell'Università, vietando altresì l'utilizzo dell'immagine di cui sopra in contesti che ne pregiudichino la dignità personale ed il decoro. Sono informato che la posa, l'utilizzo, la riproduzione, la diffusione di tale immagine è da considerarsi effettuata a titolo gratuito. Sono consapevole delle dichiarazioni rese e sollevo dunque l'Università degli Studi di Palermo da qualsiasi pretesa e/o azione anche di terzi”.

Palermo, 06/07/2023

Firma