

PUBBLICAZIONI DOTTORANDI XXXVII CICLO (2021-2024)
“BIODIVERSITÀ, AGRICOLTURA E AMBIENTE”
PAPERS BY PhD STUDENTS XXXVI CYCLE (2021-2024)
“BIODIVERSITY, AGRICULTURE AND ENVIRONMENT”

Amoia Serafina Serena (20-11-23) (ORCID 0000-0002-1661-8417)

- Kubaa, R.A., Contaldo, N., **Amoia, S.S.**, Jreijiri, F., Choueiri, E. (2023). Investigation on phytoplasma diseases of sweet pepper in the Bekaa valley of Lebanon. *Phytopathogenic Mollicutes* 13(1), 111-112. DOI: 10.5958/2249-4677.2023.00056.7
- **Amoia, S.S.**, Chiumenti, M., Minafra, A. (2023). First Identification of Fig Virus A and Fig Virus B in *Ficus carica* in Italy. *Plants* 12(7), 1503. DOI: 10.3390/plants12071503
- **Amoia, S.S.**, Minafra, A., Ligorio, A., (...), Saponari, M., Loconsole, G. (2023). Detection of *Xylella fastidiosa* in Host Plants and Insect Vectors by Droplet Digital PCR. *Agriculture* 13(3), 716. DOI: 10.3390/agriculture13030716
- Abou Kubaa, R., **Amoia, S.S.**, Altamura, G., (...), Chiumenti, M., Cillo, F. (2023). Nanopore Technology Applied to Targeted Detection of Tomato Brown Rugose Fruit Virus Allows Sequencing of Related Viruses and the Diagnosis of Mixed Infections. *Plants* 12(5), 999. DOI: 10.3390/plants12050999
- **Amoia, S.S.**, Loconsole, G., Ligorio, A., (...), Gizeli, E., Minafra, A. (2023). A Colorimetric LAMP Detection of *Xylella fastidiosa* in Crude Alkaline Sap of Olive Trees in Apulia as a Field-Based Tool for Disease Containment. *Agriculture* 13(2), 448. DOI: 10.3390/agriculture13020448
- **Amoia S.S.**, Minafra A., Nicoloso V., Loconsole G., Chiumenti M. (2022). A New Jasmine Virus C Isolate Identified by Nanopore Sequencing Is Associated to Yellow Mosaic Symptoms of *Jasminum officinale* in Italy. *Plants* 11(3). DOI: 10.3390/plants11030309.

Aguilo Arce Joseba (20-11-23)

- **Aguilo-Arce J.**, Ferriol P., Trani R., Puthod P., Pierri C., Longo C. (2023). Sponges as Emerging By-Product of Integrated Multitrophic Aquaculture (IMTA). *J. Mar. Sci. Eng.* 11, 80. DOI: 10.3390/jmse11010080

Arcieri Francesco (20-11-23)

- Delvento, C., **Arcieri, F.**, Guerriero, M., Marcotrigiano, A., R., Fanelli, V., Dellino, M., C., Pasquale L., Bouwmeester, H., Lotti, C., R., Luigi P., S., (2023). High-density linkage mapping and genetic dissection of resistance to broomrape (*Orobanche crenata* Forsk.) in pea (*Pisum sativum* L.). 14, 1216297. DOI: 10.3389/fpls.2023.1216297

Caranfa Davide - controllato il 28-10-23 (ORCID 0000-0002-8152-7116)

- De Corato, U., Cancellara, F.A., Lacolla, G., **Caranfa, D.**, Cucci, G. (2023). Short-term soil amendment by sewage sludge anaerobic digestate in a tomato monoculture suppresses *Fusarium* vascular wilt disease by changing the taxonomic characteristics of soil microbiota. *Applied Soil Ecology* 189, 104915. DOI: 10.1016/j.apsoil.2023.104915
- Lacolla, G., **Caranfa, D.**, De Corato, U., (...), Mastro, M.A., Stellacci, A.M. (2023). Maize Yield Response, Root Distribution and Soil Desiccation Crack Features as Affected by Row Spacing. *Plants* 12(6), 1380. DOI: 10.3390/plants12061380
- Gadaleta, A., Lacolla, G., Giove, S.L., **Caranfa D.**, (...), de Pinto, M.C., Vita, F. (2022) Durum Wheat Response to Organic and Mineral Fertilization with Application of Different Levels and Types of Phosphorus-Based Fertilizers. *Agronomy* 12(8), 1861. DOI: 10.3390/agronomy12081861
- Pasqualone, A., Summo, C., De Angelis, D., (...), **Caranfa, D.**, Lacolla, G. (2021). Effect of mineral and organic fertilization on desi and kabuli chickpea (*Cicer arietinum* L.): Plant growth and production, hydration properties, bioactive compounds, and antioxidant activity. *Plants* 10(7), 1441. DOI: 10.3390/plants10071441.
- Lacolla, G., Rinaldi, M., Savino, M., (...), **Caranfa, D.**, Cucci, G. (2021). Effects of organic fertilization from wet olive pomace on emmer wheat (*Triticum dicoccum* Shrank) grain yield and composition. *Journal of Cereal Science*. 102, 103369. DOI: 10.1016/j.jcs.2021.103369.

Carlucci Mariangela (20-11-23)

- Habib W., **Carlucci M.**, Manco L., Altamura G., Delle Donne A.G., Nigro F. (2023). First Report of *Ceratocystis ficicola* Causing Canker and Wilt Disease on Common Fig (*Ficus carica*) in Italy. *Plant Disease*, 107 (10), pp. 3287. DOI: 10.1094/PDIS-03-23-0464-PDN.

Didonna Adriano (20-11-23)

- **Didonna A**, Renna, M, Santamaria, P, (2023). Traditional Italian Agri-Food Products: A Unique Tool with Untapped Potential. 13(7), 1313. DOI: 10.3390/agriculture13071313

Magarelli Andrea (20-11-23) (ORCID 0000-0003-1490-007X)

- Ferrara, G., **Magarelli, A.**, Mazzeo, A., (...), Maggi, G., Venerito, P. (2023). Underutilized Fig (*Ficus carica* L.) Cultivars from Puglia Region, Southeastern Italy, for an Innovative Product: Dried Fig Disks. *Processes* 11(5), 1485. DOI: 10.3390/pr11051485
- Ferrara G., **Magarelli A.**, Palasciano M., Coletta A., Crupi P., Tarantino A., Mazzeo A. (2022) Effects of different winter pruning times on table grape vines performance and starch reserves to face climate changes. *Scientia Horticulturae* 305,111385. DOI: 10.1016/j.scienta.2022.111385. DOI: 10.1016/j.scienta.2022.111385

Marra Monica (20-11-23) (ORCID 0000-0002-3582-1242)

- **Marra M.**, D'Errico C., Montemurro C., Ratti C., Baldoni E., Matic S., Accotto G.P. (2022) Fast and Sensitive Detection of Soil-Borne Cereal Mosaic Virus in Leaf Crude Extract of Durum Wheat. *Viruses* 15, 140. DOI: 10.3390/v15010140.
- Pierro, R., Pedrelli, A., **Marra, M.**, (...), Marcone, C., Quaglino, F. (2022) Correction to: New insights on “bois noir” epidemiology in the Chianti Classico area (Tuscany, Central Italy) (*European Journal of Plant Pathology*, (2022), 164, 3, (447-450), 10.1007/s10658-022-02559-x). *European Journal of Plant Pathology* 164(3), 461. DOI: 10.1007/s10658-022-02579-7
- Pierro, R., Pedrelli, A., **Marra, M.**, (...), Marcone, C., Quaglino, F. (2022) New insights on “bois noir” epidemiology in the Chianti Classico area (Tuscany, Central Italy). *European Journal of Plant Pathology* 164(3), 447-450. DOI: 10.1007/s10658-022-02559-x

Mascio Isabella (20-11-23) (ORCID 0000-0001-6133-2920)

- Falek W., **Mascio I.**, Gadaleta S., (...), Miazzi M.M., Montemurro C. (2022) Morphological and Eco-Geographic Variation in Algerian Wild Olives. *Plants* 11(14), 1083. DOI: 10.3390/plants11141803.
- Fanelli V., **Mascio I.**, Falek W., Miazzi M.M., Montemurro C. (2022). Current Status of Biodiversity Assessment and Conservation of Wild Olive (*Olea europaea* L. subsp. *europaea* var. *sylvestris*). *Plants* 11(4), 480. DOI: 10.3390/plants11040480.
- Falek W., Sion S., Montemurro C., **Mascio I.**, (...), Khelifi D., Miazzi M.M. (2022). Molecular diversity and ecogeographic distribution of Algerian wild olives (*Olea europaea* subsp. *europaea* var. *sylvestris*). *Scientia Agricola* 79(3), e20200308. DOI: 10.1590/1678-992X-2020-0308.
- di Rienzo V., Imanifard Z., **Mascio I.**, (...), Montemurro C., Bellin D. (2021). Functional conservation of the grapevine candidate gene INNER NO OUTER for ovule development and seed formation. *Horticulture Research* 8(1), 29. DOI: 10.1038/s41438-021-00467-5.
- Sion S., Savoia M.A., Gadaleta S., **Mascio I.**, (...), Montemurro C., Miazzi M.M. (2021). How to choose a good marker to analyze the olive germplasm (*Olea europaea* L.) and derived products. *Genes* 12(10), 1474. DOI: 10.3390/genes12101474.

Procino Silvia (20-11-23) (ORCID 0009-0005-3232-475X)

- Villano, C., **Procino, S.**, Blaiotta, G., (...), Taranto, F., Aversano, R. (2023). Genetic diversity and signature of divergence in the genome of grapevine clones of Southern Italy varieties. *Frontiers in Plant Science* 14, 1201287. DOI: 10.3389/fpls.2023.1201287
- Savoia, M.A., Fanelli, V., Miazzi, M.M., (...), Nigro, F., Montemurro, C. (2023). Apulian Autochthonous Olive Germplasm: A Promising Resource to Restore Cultivation in *Xylella fastidiosa*-Infected Areas. *Agriculture* 13(9), 1746. DOI: 10.3390/agriculture13091746

Ragone Gianvito (20-11-23)

- Tamborrino, A., Berardi, A., de Lillo, E., **Ragone, G.**, Benedictis, M., D., Tufariello, M., Leone, A., Santino, A., (2023) . Using a continuous microwave system for postharvest almond disinfestation 201, 112369. DOI: 10.1016/j.postharvbio.2023.112369

Rotondo Palma Rosa (20-11-23) (ORCID 0000-0002-8017-7433)

- Rotondo, P.R., Aceto, D., Rotolo, C., (...), De Miccolis Angelini, R.M., Ambrico, P.F. (2023). Exploring Factors Influencing the Inhibitory Effect of Volume Dielectric Barrier Discharge on Phytopathogenic Fungi. Plasma Chemistry and Plasma Processing (in press) DOI: 10.1007/s11090-023-10394-z
- Ambrico, P.F., Zicca, S., Ambrico, M., **Rotondo P.R.**, (...), Boscia, D., Saldarelli, P. (2022) Low Temperature Plasma Strategies for *Xylella fastidiosa* Inactivation. Applied Sciences 12(9), 4711. DOI: 10.3390/app12094711
- Pollastro, S., Laguardia, C., Dongiovanni, C., (...), **Rotondo P.R.**, Gerin, D., Faretra, F. (2022). Mating type and fungicide resistance in populations of *Podosphaera xanthii* in south Italy. Plant Pathology 71(6), 1369 – 1380. DOI: 10.1111/ppa.13560.
- Raguseo, C., Gerin, D., Pollastro, S., (...), **Rotondo, P.R.**, Faretra, F., De Miccolis Angelini, R.M. (2021). A Duplex-Droplet Digital PCR Assay for Simultaneous Quantitative Detection of *Monilinia fructicola* and *Monilinia laxa* on Stone Fruits. Frontiers in Microbiology. 12, 747560. DOI: 10.3389/fmicb.2021.747560.

Sini Valeria (20-11-23)

- **Sini, V.**, Carluccio, A., Marangi, M., Ragni, R., D'Onghia, G., Cotugno, P. (2023). Green production of biofuels from fish discards using supercritical Carbon Dioxide as the extraction solvent. 2022 IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters, MetroSea 2022 - Proceedings 91 - 952022 Code 184665. DOI: 10.1109/MetroSea55331.2022.9950807

Stea Donato (20-11-23)

- De Mastro F., Brunetti G., De Mastro G., Ruta C., **Stea D.**, Murgolo S., De Ceglie C., Mascolo G., Sannino F., Cocozza C., Traversa A. (2023). Uptake of different pharmaceuticals in soil and mycorrhizal artichokes from wastewater. Environmental Science and Pollution Research. 30, 33349-33362. DOI: 10.1007/s11356-022-24475-7.
- **Stea, D.**, Sellami, M.H., Ruta, C., Pulvento, C., De Mastro, G. (2023). Cropping practices of globe artichoke: a bibliometric study. Frontiers in Sustainable Food Systems 7, 1274714. DOI: 10.3389/fsufs.2023.1274714