


Ph.D. Student	Daniele Micciché
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Location	Department of Agricultural, Food, and Forest Sciences (SAAF), Viale delle Scienze, Building 4, "H" Entry, 90128 Palermo, Italy
Profile	<ul style="list-style-type: none"> <li>- Bachelor's degree in Agroengineering at University of Palermo, 2018;</li> <li>- Master's Degree in Science of Agricultural Production and Technology at University of Palermo, 2020;</li> <li>- Ph.D. Student at University of Palermo, 2021;</li> </ul>
Expertise	Precision Viticulture; Sampling; Yield estimation; Grape yield maps; Vineyard spatial variability monitoring; Fruit growing; Grape quality;
Advisor	Professor Antonino Pisciotta
Co-advisor	Professor Rosario Di Lorenzo
Thesis topics	New methodologies for sampling and monitoring of spatial variability for quality management in vineyards
Research interests	The objective of my studies is to determine reliable sampling methods for detecting differences in ripening (technological and phenolic) and production due to vineyard heterogeneity. I am mainly interested in sampling for Degrees Brix in Vineyard Plots. Comparing efficiency of different sampling schemes to estimate yield and quality parameters in vineyards. Use of multi-spectral airborne imagery to improve yield sampling in viticulture. Perform analysis of differential vineyard management zones and relation to vine development, grape maturity and quality.
Link to publications	<a href="https://hdl.handle.net/10447/543915">https://hdl.handle.net/10447/543915</a> <a href="https://hdl.handle.net/10447/621318">https://hdl.handle.net/10447/621318</a> <a href="https://hdl.handle.net/10447/598493">https://hdl.handle.net/10447/598493</a> <a href="https://hdl.handle.net/10447/644656">https://hdl.handle.net/10447/644656</a> <a href="https://hdl.handle.net/10447/644653">https://hdl.handle.net/10447/644653</a> <a href="https://hdl.handle.net/10447/644654">https://hdl.handle.net/10447/644654</a> <a href="https://hdl.handle.net/10447/644716">https://hdl.handle.net/10447/644716</a> <a href="https://hdl.handle.net/10447/644717">https://hdl.handle.net/10447/644717</a> <a href="https://hdl.handle.net/10447/644719">https://hdl.handle.net/10447/644719</a>