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Education:

- PhD student in Animal and Food Science (2024-);
- Master student in Food Science and Technology (2022 - 2024);
- Bachelor student in Food Science and Technology (2019 - 2022).

Research areas:

- Food microbiology;
- Food Science and Technology.

Brief description of Ph.D project:

The focus of my PhD project is to investigate the potential of fermenting grape juice using microorganisms, to produce fermented beverages distinct from wine. Specifically, I am investigating the use of lactic acid bacteria and acetic acid bacteria, which are already employed in the production of fermented beverages such as Kombucha, a fermented tea. Understanding how these microorganisms can ferment different substrates is crucial. Currently, I am working on green tea Kombucha, lemon Kombucha, and lemon & mint Kombucha to evaluate differences in polyphenol content and antioxidant activity. Next, I will shift my focus to grape juice and grape pomace to determine whether these microorganisms can also thrive on these substrates.

Supervisor:

Professor Alessio Giacomini