

First name/Surname: Luca Tassoni
E-mail: luca.tassoni@studenti.unipd.it
Nationality: Italian
Date of birth: 03/04/1989
Place of birth: Padova, Italy



Experience:

- 4 years - R&D in the industry: food and feed sector (2016-2020)
- 2 years - External collaborator at IZSve: studying the evolution of emerging mammalian viruses (CPV2, MRV, PED, Noroviruses) (2018 - 2020)
- 3 years - at IZSve studying the evolution of Avian Influenza and SARS-Cov2 (2014 – 2016, 2020 - 2021)

Education:

- Specialization master in Biotechnologies for the enterprise (2014)
- Master degree in Industrial Biotechnology (2011-2013)
- Bachelor student in Biotechnology (2008-2011)

Research areas:

- Food science
- Insects breeding
- Molecular phylogenetics

Brief description of Ph.D project:

My research will focus on the silkworm production chain and the chrysalis as a potential novel food. Technical and safety issues will be investigated from “farm to fork” and in relation to the different possible transformation processes, also taking into account that silkworm chrysalides are by-products of the silk industry

and, therefore, technological solutions to obtain a satisfying quality level for both the productions should be implemented. The investigation will concern the available literature dealing with nutritional aspects, chemical and microbiological contaminants and allergens. This experimental work will aim to track the silkworm chrysalis production from its early beginning, i.e. the rearing practices in the mulberry fields/farms, to its very end, i.e., the different transformation processes of the products, which will be tested to evaluate the most suitable ones for the food production.

Supervisor:

Antonella dalle Zotte

Publications: <https://www.researchgate.net/profile/Luca-Tassoni>