



## MARILISA ALONGI

### Assistant professor (RTDa)

#### Personal information and contact details

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#### Academic positions

2022 – present: Assistant professor, University of Udine (Italy)

November 2019 – December 2021: Post-Doctoral Research Fellow, University of Udine (Italy)

November 2016 – October 2019: Ph.D. Student, University of Udine (Italy)

November 2018 – February 2019: Visiting Ph.D. Student, Riddet Institute, Massey University (New Zealand)

#### Education

April 21<sup>st</sup>, 2020: Ph.D. *cum laude* in Food and Human Health, University of Udine (Italy)

October 5<sup>th</sup>, 2015: Master's degree *cum laude* in Food Science and Technology (LM-70), University of Udine (Italy)

April 15<sup>th</sup>, 2013: Bachelor's degree *cum laude* in Food Science and Technology (L-26), University of Udine (Italy)

July 11<sup>th</sup>, 2009: Scientific diploma, Scientific high school "L. Magrini" (Gemona del Friuli, Italy)

#### Personal skills

Mothertongue: Italian

Other languages:

- ✓ English: B2
- ✓ Spanish: B1
- ✓ German: A2

#### Teaching activities

##### Lessons and seminars (SC 07/F1 - SSD AGR/15)

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|-------------|---|
| 2022 – 2023 | Introduction to food science and technology – Bachelor's Degree Course in Food Science and Technology, University of Udine, Italy   |
| 2022 – 2023 | Processing and storage of animal-based food– Master's Degree Course in Animal Breeding and Welfare, University of Udine, Italy  |
| 2023        | Seminar on "Image analysis applied to food science" (2 h) within the teaching <i>Digital Tools for the Food System</i> – Bachelor's Degree Course in Science and Culture of Food, University of Udine, Italy  |
| 2017-2023   | Seminar "Technological strategies to reduce the glycemic index of food" (2 h) within the teaching <i>Food Formulation</i> - Master's Degree Course in Food Science and Technology, University of Udine, Italy |

- 2017-2023 Seminar “Novel Food” (2 h) within the teaching *Unconventional Food Technologies* - Master’s Degree Course in Food Science and Technology, University of Udine, Italy
- 2020 Seminar on “Lipid digestion” (2 h) within the teaching *Oil and Fat Technology* - Bachelor’s Degree Course in Food Science and Technology, University of Udine, Italy
- 2017 Seminar “Food waste: the role of food technologies” (2 h) within the teaching *Design and management of quality systems and shelf life assessment* - Master’s Degree Course in Food Science and Technology, University of Udine, Italy

#### **Practical trainings (SC 07/F1 - SSD AGR/15)**

- 2016-2018 “Osmotic treatment of vegetables” within the teaching *Unit Operations* - Bachelor’s Degree Course in Food Science and Technology, University of Udine, Italy
- 2017-2018 “Refractometric index of vegetables” within the teaching *Vegetable product technology* - Bachelor’s Degree Course in Food Science and Technology, University of Udine, Italy
- 2017-2020 “Water activity and adsorption isotherms” within the teaching *Food properties* - Bachelor’s Degree Course in Food Science and Technology, University of Udine, Italy
- 2016-2020 “Mass balances” within the teaching *Food technology* - Master’s Degree Course in Food Science and Technology, University of Udine, Italy
- 2016-2018 “Innovative technologies to face formulation and processing issues” within the teaching *Food technology* - Master’s Degree Course in Food Science and Technology, University of Udine, Italy
- 2017-2019 “Polyphenoloxidase activity in apple” within the teaching *Food biotechnology* - Master’s Degree Course in Food Science and Technology, University of Udine, Italy
- 2017-2023 “Formulation of new food products” within the teaching *Food Formulation* - Master’s Degree Course in Food Science and Technology, University of Udine, Italy

#### **Exam committee member (SC 07/F1 - SSD AGR/15)**

Master’s Degree Course in Food Science and Technology (LM-70): Food biotechnology; Food structure and physical properties; Food technology; Food formulation; Design and management of quality systems and shelf-life assessment; Research and development for food production.

Bachelor’s Degree Course in Food Science and Technology (L-26): Unit operations; Physico-chemical properties of food; Vegetable product technology Oil and fat technology.

#### **Student supervisor**

2022 – present: thesis supervisor of 1 master’s and 4 bachelor’s students of the degree courses in Food Science and Technology, University of Udine (Italy)

2016 – present: thesis co-supervisor of 2 PhD students in Food and Human Health, 25 master’s and 17 bachelor’s students of the degree courses in Food Science and Technology, University of Udine (Italy)

### **Research activity**

#### **Current research topics**

- ✓ Technological strategies to reduce food waste: development of integrated decision support systems for shelf life determination; development and application of a methodology to estimate domestic food waste; valorization of discards from the food industry for the development of functional foods.
- ✓ Technological strategies to develop functional foods: definition of a multidisciplinary approach for the development of functional foods; assessment of the effect of conventional technological interventions on food functionality; development of technological strategies to improve food functionality; study of food-food and food-drug interactions.

#### **Organization of scientific meetings**

2021 – 2022: Scientific and organizing support in the scientific meetings of the interdisciplinary research project of the University of Udine “Il tempo della mela – TEAM” supported by Fondazione Friuli (Udine, Italy).

31<sup>st</sup> January - 3<sup>rd</sup> February 2017: Member of the organizing staff of the international conference "FoodInnova 2017" (Bologna Italy).

### **Reviewing activities**

2016 – present: Peer reviewer for scientific journals, including: Food Chemistry; Food Hydrocolloids; Food & Function; Food Structure; Food Research International; LWT – Food Science and Technology; Journal of Food Biochemistry; Journal of the American Oil Chemists Society; International Journal of Food Science & Technology; Food Engineering Reviews.

### **Memberships of scientific societies**

2023 – present: Coordinator of the working group WG5 of the European Research Network "Infogest" (former COST Action FA1005)

2021 – present: Member of the European COST Action "CA19124 CIRCUL-A-BILITY (Rethinking packaging for circular and sustainable food supply chains of the future)"

2019 – present: Member of the European COST Action "CA18125 AERoGELS (Advanced Engineering and Research of aeroGels for Environment and Life Sciences)"

2023 – present: Member of the Italian Scientific Society of Food Science and Technology (SISTAI), Italy

2019 – present: Member of the Research Network "Personalized Health Management of Physical, Mental and Social Frailty in the Elderly (Alt Frailty)", University of Udine, Italy

2021 – present: Member of the Research Network "Il Tempo della Mela (TEAM)", University of Udine, Italy

### **Fellowships and awards**

22<sup>nd</sup> – 24<sup>th</sup> June 2023: Scholarship awarded by the COST action "CA19124 CIRCUL-A-BILITY (Rethinking packaging for circular and sustainable food supply chains of the future)" for the training school "Sustainable packaging and circular economy", Technical University of Crete, Greece.

5<sup>th</sup> – 28<sup>th</sup> March 2022 Fellowship awarded by the COST action "CA16205 UNGAP (European Network on Understanding Gastrointestinal Absorption-related Processes)" for a short-term scientific mission to work on the project "Development of lipid-based nanocarrier systems for oral peptide drug delivery" at the Pharmacy Department of the University of Innsbruck, Austria.

5<sup>th</sup> – 7<sup>th</sup> July 2021: Scholarship awarded by the COST action "CA18125 AERoGELS (Advanced Engineering and Research of aeroGels for Environment and Life Sciences)" for the training school "Advanced technologies for the processing and characterization of nanostructured materials", Faculty of Food Technology, University of Agriculture, Krakow, Poland.

2020: Fellowship awarded by the European Union through the Friuli Venezia Giulia Region for the research project "Development of advanced analytical methods and protocols for the characterization of nanostructures for food application" to be carried out at the Joint Research Center (JRC), directorate "F-Health consumers and reference materials", Unit "F2-Consumer products safety", Ispra, Italy.

May 2023: "Young Researcher Award", Italian Society of Food Technology (SISTAI), Italy

July 2022: National Scientific Qualification for the role of Associate Professor

October 2021: "PhD Award", University of Udine, Italy

September 2019 "What for Award", Federalimentare, Italy

July 2016: "Best graduate award", University of Udine, Italy

July 2015: "Best student award", University of Udine, Italy

### **Publications**

Author/coauthor of over 20 scientific publications on international journals indexed by Scopus relevant to the SC 07/F1 - SSD AGR/15 or related.

Author/coauthor of 3 publications on national journals.

### **Conferences**

Presenter in 9 national and international scientific conferences.

### **Institutional activities**

2022 – *present*: Member of the program board of the PhD school in Food and Human Health

2022 – *present*: Member of the degree program board of the Master's Degree Course in Food Science and Technology, University of Udine, Italy

2022 – *present*: Member of the degree program board of the Bachelor's Degree Course in Food Science and Technology, University of Udine, Italy

2022 – *present*: Member of the degree program board of the Master's Degree Course in Animal Breeding and Welfare, University of Udine, Italy

2023: Organizing committee of the admission tests to the degree courses of the Department of Agricultural, Food Environmental and Animal Sciences of the University of Udine, Italy

2021: Representative of the research fellows of the Department of Agricultural, Food, Environmental and Animal Sciences of the University of Udine, Italy

2017 – 2018: Student Advisor and prospective student guidance for the Bachelor's and Master's Degree Courses in Food Science and Technology, University of Udine, Italy

Autorizzo il trattamento dei miei dati personali ai sensi dell'art. 13 D. Lgs. 30 giugno 2003 n° 196 – “Codice in materia di protezione dei dati personali” e dell'art. 13 GDPR 679/16 – “Regolamento europeo sulla protezione dei dati personali”

Udine, 4 luglio 2023

