

## CV Marilena Marino

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<b>Current position</b>	Assistant Professor Department of Agricultural Food Environmental and Animal Sciences, University of Udine (UniUD), Italy
<b>Education and training</b>	2008: Researcher in Food Microbiology, 2002-2007: Post-Doc at UniUD 2001: PhD in Food Biotechnology at UniUD 1992-2000: Research Fellow at UniUD 1991: MSc in Food Science and Technology, UniUD
<b>Teaching activity</b>	2009: General Microbiology, MSc in Biotechnology, UniUD 2008-today: Dairy Microbiology, MSc in Food Science and Technology, UniUD 2010-today: Probiotic Microorganisms in Functional Foods, BSc in Food Science and Technology, UniUD Scientific supervisor for MSc and BSc students (Food Science and Technology/Biotechnology/Science for the Environment and Nature) at UniUD
<b>Research activity</b>	Selection and exploitation of dairy microflora Characterization of biofilm-forming ability in pathogenic/spoiling microorganisms in static and dynamic conditions Study of the antimicrobial activity of natural compounds (essential oils, bioactive peptides of animal/vegetable/microbial origin) Functional microorganisms: selection of new probiotic candidates; study of the phenotypic response to cultivation at sub-optimal conditions in LAB and probiotic bacteria; development of strategies to protect the viability of probiotics during production, storage and <i>in vitro</i> digestion; study and characterization of postbiotics
<b>Scientific involvement in research projects</b>	<i>Active participation in drafting and scientific activities related to research projects funded by various authorities</i> 2018-2020: POR FESR "Biofilm Sensing and Analysis for Health" BIOSAFE 2018-2019: PSR Misura 16.1.1, "Study of the activity of <i>Lactobacillus casei</i> in order to replace the lysozyme in PDO Montasio cheese" 2003-2004: Regione Friuli-Venezia Giulia, "Characterization of craft beers produced in the microbreweries of Friuli-Venezia Giulia" 2002-2003: MIUR-PRIN, "Study of the biological and technological parameters that regulate the production of biogenic amines in fermented foods" 2000-2001: MIUR-PRIN, "Interaction between bacteria and fungi in food systems" 1999-2006: MiPAF, "Valorization and protection of the autochthonous microflora characteristic of Italian dairy products" 1998-1999: Regione Friuli-Venezia Giulia, "Study, characterization and technological valorization of agro-food production typical of Friuli-Venezia Giulia"
<b>Publications</b>	Co-author of over 100 scientific publications ( <a href="https://air.uniud.it/">https://air.uniud.it/</a> ) including papers in international and national journals, posters and presentations at international and national conferences, and book chapters Most relevant peer-reviewed publications (past 5 years):

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- Marino, M., Dubsky de Wittenau, G., Saccà, E., Cattonaro, F., Spadotto, A., Innocente, N., Radovic, S., Piasentier, E., Marroni, F., Metagenomic profiles of different types of Italian high-moisture Mozzarella cheese, (2019) *Food Microbiology*, 79, pp. 123-131.
  - Innocente, N., Marino, M., Calligaris, S., Recovery of brines from cheesemaking using High-Pressure Homogenization treatments, (2019) *Journal of Food Engineering*, 247, pp. 188-194.
  - Calligaris, S., Marino, M., Maifreni, M., Innocente, N., Potential application of monoglyceride structured emulsions as delivery systems of probiotic bacteria in reduced saturated fat ice cream, (2018) *LWT*, 96, pp. 329-334.
  - Marino, M., Maifreni, M., Baggio, A., Innocente, N., Inactivation of foodborne bacteria biofilms by aqueous and gaseous ozone, (2018) *Frontiers in Microbiology*, 9 (AUG), art. no. 2024.
  - Marino, M., Innocente, N., Maifreni, M., Mounier, J., Cobo-Díaz, J.F., Coton, E., Carraro, L., Cardazzo, B., Diversity within Italian cheesemaking brine-associated bacterial communities evidenced by massive parallel 16S rRNA gene tag sequencing, (2017) *Frontiers in Microbiology*, 8 (NOV), art. no. 2119.
  - Marino, M., Innocente, N., Calligaris, S., Maifreni, M., Marangone, A., Nicoli, M.C., Viability of probiotic *Lactobacillus rhamnosus* in structured emulsions containing saturated monoglycerides, (2017) *Journal of Functional Foods*, 35, pp. 51-59.
  - Marino, M., Segat, A., Maifreni, M., Frigo, F., Sepulcri, C., Innocente, N., Efficacy of ozonation on microbial counts in used brines for cheesemaking, (2015) *International Dairy Journal*, 50, pp. 9-14.
  - Maifreni, M., Frigo, F., Bartolomeoli, I., Buiatti, S., Picon, S., Marino, M., Bacterial biofilm as a possible source of contamination in the microbrewery environment, (2015) *Food Control*, 50, pp. 809-814.
  - Innocente, N., Segat, A., Manzocco, L., Marino, M., Maifreni, M., Bartolomeoli, I., Ignat, A., Nicoli, M.C., Effect of pulsed light on total microbial count and alkaline phosphatase activity of raw milk, (2014) *International Dairy Journal*, 39 (1), pp. 108-112.
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**Other scientific activities**

Scientific tutor for Research Grants at UniUD

Referee for *International Journal of Food Microbiology*, *Journal of Applied Microbiology*, *Letters in Applied Microbiology*, *Journal of Dairy Science*, *Journal of Food Science and Technology*, *Flavour and Fragrance Journal*, *Bioresource Technology*, *International Journal of Microbiology*, *African Journal of Biotechnology*, *Environmental Toxicology and Pharmacology*.

Registered in the MIUR Auditors Register, evaluator of FIRB Projects.

Reviewer for research projects of the University of Padua.

External thesis reviewer for the achievement of the title of PhD (Faculty of Food Science & Technology, University Putra Malaysia).

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**Institutional roles and boards membership**

2011/12: member of Commissione Interna di Tutorato e Orientamento (CITO), UniUD

2018-today: member of Commission of Quality Assurance, Food Science and Technology courses, UniUD

2018-today: member of Commissione Didattica, Food Science and Technology courses, UniUD

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Member of the scientific society SIMTREA

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