

PERSONAL INFORMATION Massimo De Marchi



<https://www.dafnae.unipd.it/category/ruoli/personale-docente?key=E2641B64C9A6D94C12C107E1DF4C76E5>

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

2018 - now

Full Professor

University of Padova (Italy)

- Teaching MSc courses: Quality of dairy food and dairy processing
- Teaching BSc courses: Quality of livestock products

- Research: application of omics-technologies, big data management, study of quality of dairy and meat products, novel husbandry practices to enhance sustainability of dairy and beef farms, infrared, strategies to reduce water use in dairy and beef industries.

Business or sector: Academia

EDUCATION AND TRAINING

2003-2005

PhD

University of Padova (Italy)

- Animal science

1998-2002

MSc

University of Padova (Italy)

- Agricultural science and technologies

WORK ACTIVITIES

Scientific task

2021 - President of Cattle Commission of the European Federation of Animal Science (EAAP)
2016 - 2020 Secretary of Cattle Commission of the European Federation of Animal Science (EAAP)
2017 to 2019 - National expert of International Dairy Federation (FIL-IDF) Standing Committee on Statistics and Automation (SCSA)

Awards

2016 - Young Scientist AWARD 2016 during the 67th Annual Meeting of the European Federation of Animal Science (EAAP) in Belfast (UK) for "This award is granted to an early career scientist who has demonstrated outstanding research performance with an European dimension and perspective".

Grants

In the last 5 years: tot. 1 international 230,000€ (EU H2020 – Organic Plus), tot. 6 regional and national > 800,000€ (PSR, POR, Fondazione AGER - CARIPOLO), tot. 8 private financing > 800,000€ (Sabelli, Granarolo, Latteria di Soligo, Dorado, Lallemand, FOSS, IZS, ARAV),

Patents

n/d

PERSONAL SKILLS

Mother tongue(s) Italian
 Other language(s) ENGLISH (FLUENT)

ADDITIONAL INFORMATION

- Publications**
- tot. **302** publications in peer reviewer journals (*source Scopus*)
 - tot. **7000** citations (*source Scopus*)
 - H-index **48** (*source Scopus*)

Selected publications:

- (1) Franzoi, M., Manuelian, C.L., Penasa, M., De Marchi, M. (2020). Effects of somatic cell score on milk yield and mid-infrared predicted composition and technological traits of Brown Swiss, Holstein Friesian, and Simmental cattle breeds. **Journal of Dairy Science**, 103, 791-804, doi: 10.3168/jds.2019-16916. (IF 3.914, Q1, citazioni 18).
- (2) Costa, A., Neglia, G., Campanile, G., De Marchi, M. (2020). Milk somatic cell count and its relationship with milk yield and quality traits in Italian water buffaloes. *Journal of Dairy Science*, 103(6), 5485-5494, doi: 10.3168/jds.2019-18009. (IF 3.914, Q1, citazioni 7).
- (3) Benedet, A., Franzoi, M., Penasa, M., Pellattiero, E., De Marchi, M. (2019). Prediction of blood metabolites from milk mid-infrared spectra in early-lactation cows. **Journal of Dairy Science**, 102(12), 11298-11307, doi: 10.3168/jds.2019-16937. (IF 3.49, Q1, citazioni 16).
- (4) Benedet, A., Manuelian, C.L., Zidi, A., Penasa, M., De Marchi, M. (2019). Invited review: β -hydroxybutyrate concentration in blood and milk and its associations with cow performance. **Animal** 13 (8), 1676-1689, doi: 10.1017/S175173111900034X. (IF 2.40, Q1, citazioni 30).
- (5) De Marchi, M., Penasa, M., Zidi, A., Manuelian, C.L. (2018). Invited review: Use of infrared technologies for the assessment of dairy products - Applications and perspectives. **Journal of Dairy Science**, 101 (12), 10589-10604, doi: 10.3168/jds.2018-15202. (IF 3.188, Q1, citazioni 34).
- (6) Benedet, A., Manuelian, C.L., Penasa, M., Cassandro, M., Righi, F., Sternieri, M., Galimberti, P., Zambrini, A.V., De Marchi, M. (2018). Factors associated with herd bulk milk composition and technological traits in the Italian dairy industry. **Journal of Dairy Science**, 101(2):934-943, doi: 10.3168/jds.2017-12717, (IF 3.188, Q1, citazioni 17).
- (7) Visentin, G., Penasa, M., Gottardo, P., Cassandro, M., De Marchi, M. (2016). Predictive ability of mid-infrared spectroscopy for major mineral composition and coagulation traits of bovine milk by using the uninformative variable selection algorithm. **Journal of Dairy Science**, 99 (10), 8137-8145. doi: 10.3168/jds.2016-11053. (IF 2.65, Q1, citazioni 41).
- (8) De Marchi, M., Toffanin, V., Cassandro, M., Penasa, M. (2014). Invited review: Mid-infrared spectroscopy as phenotyping tool for milk traits. **Journal of Dairy Science**, 97 (3), 1171-1186, doi: 10.3168/jds.2013-6799. (IF 2.45, Q1, citazioni 190).

- Projects**
- (1) Sustain4Food - Sostenibilità dell'agroalimentare Veneto: metodologie e strumenti innovativi per l'efficientamento dei processi produttivi, la funzionalizzazione degli alimenti e lo smart-packaging (AVEPA – Regione Veneto, POR FERS) 602.027 € (Project manager) 2020-2022.
 - (2) Organic-PLUS - Pathways to phase-out contentious inputs from organic agriculture in Europe (H2020- SFS-08-2017-2) 233.665 € (WP4 coordinator) 2018-2022.
 - (3) AntibioticFreeBeef - Strategie per l'eliminazione dell'utilizzo degli antibiotici nell'allevamento del bovino da carne (AVEPA - Regione Veneto PSR 2014-2020) 190.184 € (Project manager) 2018-2021.

Other Relevant Information n/d

Padova, 22 Aprile 2026