

CURRICULUM VITAE

PERSONAL INFORMATION

Name **COPPA, Mauro**
Address **LARGO PAOLO BRACCINI 2 – 10095 GRUGLIASCO (TO), Italy**
Phone **+39 011 6708609**
E-mail **mauro.coppa@unito.it**
Nationality Italian
ORCID <https://orcid.org/0000-0003-2073-0599>

RESEARCH EXPERIENCE

- Since 22/12/2023
• Position Department of Agricultural, Forest and Food Sciences, University of Turin, Italy
Associate Professor
Animal science and technology (07/G1 - Scienze e Tecnologie Animali) Animal feeding and nutrition (AGR/18)
- From 1/03/2018 to 21/12/2023
• Position INRAE, Unité Mixte de Recherche sur les Herbivores, Theix - Clermont Ferrand, France
Independent Researcher, partner of INRAE
- 01/01/2019 - 31/12/2019
• Position University of Catania, Dep. Agriculture, Food and Environment;
Post-Doctoral Research Fellowship
- 11/04/2011 - 28/02/2018
• Position Department of Agricultural, Forest and Food Sciences, University of Turin, Italy
Post-Doctoral Research Fellowship
- 10/01/2011 - 10/4/2011
and 26/9/2011 - 26/12/2011
• Position INRAE, Unité Mixte de Recherche sur les Herbivores, Theix - Clermont Ferrand, France.
Post-Doctoral Research Fellowship
- 01/01/2008 - 31/12/2010
• Position Departement Agroselviter, University of Turin, Italy
Ph. D. student
- 20/9 - 28/2/2009 and 8/2 - 2/4/2010
• Position INRAE, Unité Mixte de Recherche sur les Herbivores, Theix - Clermont Ferrand, France
Ph. D. stage
- 01/11/2006 - 31/12/2007
• Position Departement Agroselviter, University of Turin, Italy
Research fellowship

TEACHING EXPERIENCES IN THE PROFESSIONAL FIELD

TEACHING

- Since 2008
• Position Università Clermont-Auvergne, INRAE Università di Torino, INRAE-VetAgro-Sup
Co-tutor of p.H.D. or master students
- Since 2015
• Institution Lecturer in several masters
Bordeaux Science-Agro, Bordeaux, France
VetAgro-Sup, Clermont-Ferrand, France
ISARA Lyon, France
University of Turin, Italy, University of Catania, Italy
University of Perugia, Italy
- From 29/10/2016 to 04/11/2016
• Position Yonam College #313, Yonamro, Soohyang, Seonghwan, Cheonan, Chungnam, South Korea 31005.
Invited professor

EDUCATION AND TRAINING

- From 01/10/2004 to 02/03/2007
- From 01/10/2001 to 08/07/2004
- From 09/1997 to 07/2007

Master Degree in Forestry and Environmental Sciences, University of Turin
Degree in Forestry and Environmental Sciences, University of Turin
Scientific Secondary School Degree

LINGUISTIC SKILLS

ITALIAN	MOTHER LANGUAGE
ENGLISH	READING: C1; WRITING: C1; SPEAKING: C1 Preliminary English Test (PET) had in 2004 by Cambridge University.
FRENCH	READING: C1; WRITING: B2; SPEAKING: C1

RESEARCH PROJECTS

2024-2027	SAFRAM : Local breeds of the Massif Central (Salers, Aubrac, Ferrandaise) facing climate change in the PDO dairy production chain (CIMAC, Massif Central)
2023-2025	COMPEALE : Behavior and phenotyping of feed and environmental efficiencies of dairy cows at pasture (INRAE)
2023-2025	Use of <i>Hermetia illucens</i> oil in ruminant feeding: in vitro fermentations, gene expression, oxidative stress and product quality (UNITO)
2022-2026	INTAQT: Innovative Tools for Assessment and Authentication of chicken meat, beef and dairy products' Qualities (H2020)
2022-2024	Influence of dairy farming practices on milk and cheese fat content to respect specification of Fourme de Montbrison PDO cheese
2020-2025	Qualenic+: Relationship between milk intrinsic quality and the environmental impact of dairy farms (Pole Fromager AOP Massif Central)
2019-2021	ConsHerbe-Biodiv: From grassland biodiversity and grass conservation to the animal's microbial ecosystem and to milk and cheese quality (SmartCow TNA H2020)
2019-2020	Meal: Effects of restricted forage quantity and access time feeding behavior, feed efficiency, nutritional status, and performances of dairy cow fed indoor (French government IDEX-ISITE)
2018-2021	ALIMIR: Authentication of dairy herd diet by MIR analysis of milk (CNIEL)
2018-2021	ProYoungStock - Promoting young stock and cow health and welfare by natural feeding systems (Core Organic H2020)
2018-2019	AEOLE : The grassland of the Massif Central, an economic asset for building efficient farming systems (Cluster Herbe)
2018-2019	DIVEM: From plant biodiversity to animal microbial communities (INRAE)

OTHER EXPERIENCES

- Since 29/11/2022
• Position
EAAP Across commission working group on Mountain Livestock Farming
Member
- 08/09/2016-31/03/2017
• Position
EIP-AGRI service Point of the EU, Brussels – Belgium;
Consultant
- From 2009 to 2023
Freelance Work Experience as Agronomist
Consultant
Rangeland management for private ruminant farmers and land-owners in upland area of Alps.
Consultant for dairy product quality in relation to farming practices in farms and dairy plants.

- **Coppa M**, Martin C, Bes, A., Ragionieri L, Ravanetti F, Lund P, Cantalapedra-Hijar G, Nozière P. 2023. Relationship between residual feed intake and digestive traits of fattening bulls fed grass silage- or maize silage-based diets. *Animal* 17 101013.
- Martin C, Ferlay A., Ben Aouda M., **Coppa M**. Eugène M. 2023. Effect of the nature of energy (lipids vs. carbohydrates) on enteric methane emission and dairy performance in cows fed grass silage-based diets. *Ita. J. Anim. Sci.* 22:1, 1257-1267.
- **Coppa M**, Villot C., Martin C., Silberberg M. 2023. On-farm evaluation of multiparametric models to predict subacute ruminal acidosis in dairy cows. *Animal* 17: 100826.
- Renna M., **Coppa M**., Lussiana C., Le Morvan A., Gasco L., Maxin G. 2022. Full-fat insect meals in ruminant nutrition: in vitro rumen fermentation characteristics and lipid biohydrogenation. *J. Anim. Sci. Biotech.* 13:138.
- Manzocchi E., Ferlay A., Farizon Y., Enjalbert F., Bouchon M., Giller K., Kreuzer M., Berard J., Martin B., **Coppa M**. 2022. Herbage utilisation method affects rumen fluid and milk fatty acid profile in Holstein and Montbéliarde cows. *Animal* 16: 100674
- **Coppa M**., Vanlierde A., Bouchon M., Jurquet J., Musati M., Dehareng F., Martin C. 2022. Methodological guidelines: Cow milk mid-infrared spectra to predict reference enteric methane data collected by an automated head-chamber system. *J. Dairy Sci.* 105:9271–9285.
- Cremilleux M., **Coppa M**., Bouchon M., Delaby L., Beaure G., Constant I., Natalello A., Martin B., Michaud A. 2022. Effects of forage quantity and access-time restriction on feeding behaviour, feed efficiency, nutritional status, and dairy performance of dairy cows fed indoors. *Animal* 16: 100608.
- Menci R., Martin B., Werne S., Bord C., Ferlay A., Lèbre A., Leiber F., Klais M., **Coppa M**., Heckendorn F. 2022.. Supplementing goats' diet with sainfoin pellets (versus alfalfa) modifies cheese sensory properties and fatty acid profile. *Int Dairy J.* 132: 105398.
- Cabiddu A., Peratoner G., Valenti B., Monteils V., Martin B., **Coppa M**. 2022. A quantitative review of on-farm feeding practices to enhance the quality of grassland-based ruminant dairy and meat products. *Animal* 16: 100375.
- Tabacco E., Merlino V.M., **Coppa M**., Massaglia S., Borreani G. 2021. Analyses of consumers' preferences and of the correspondence between direct and indirect label claims and the fatty acid profile of milk in large retail chains in northern Italy. *J. Dairy Sci.* 104:12216–12235.
- Menci R., Natalello A., Luciano G., Priolo A., Valenti B., Farina G., Caccamo M., Niderkorn V., **Coppa M**. 2021. Effect of dietary tannin supplementation on cow milk quality in two different grazing seasons. *Scient. Reports* 11:19654.
- Menci R., Natalello A., Torrent A., Luciano G., Priolo A., Valenti B., Difalco A., Rapisarda T., Caccamo M., Constant I., Niderkorn V. **Coppa M**. 2021. Cheese quality from cows given a tannin extract in two different grazing seasons. *J Dairy Sci.* 104: 9543–9555.
- Menci R., **Coppa M**., Torrent A., Natalello A., Valenti B., Luciano G., Priolo A., Niderkorn V. 2021. Effects of two tannin extracts at different doses in interaction with a green or dry forage substrate on in vitro rumen fermentation and biohydrogenation. *Anim. Feed Sci. Technol.* 278: 114977.
- Mendes L.B., **Coppa M**., Rouel J., Martin B., Dumont B., Ferlay A., Epinasse C., Blanc F. 2021. Profiles of dairy cows with different productive lifespan emerge together from multiple traits assessed at first lactation: the case of a grassland-based dairy system. *Livestock Sci.* 246: 10444.
- Manzocchi E., Martin B., Bord C., Verdier-Metz I., Bouchon M., De Marchi M., Constant I., Giller K., Kreuzer M., Berard J., Musci M., **Coppa M**. 2021. Feeding cows with hay, silage, or fresh herbage on pasture or indoors affects sensory properties and chemical composition of milk and cheese. *J. Dairy Sci.* 104:5285–5302
- Koczura M., Martin B., Musci M., Di Massimo M., Bouchon M., Turille G., Kreuzer M., Berard J., **Coppa M**. 2021. Little difference in milk fatty acid and terpene composition among three contrasting dairy breeds when grazing a biodiverse mountain pasture. *Front. Vet. Sci.* 7:612504.
- Martin C., **Coppa M**., Fougère H. Bougouin A., Baumont R., Eugène M., and Bernard L. 2021. Diets supplemented with corn oil and wheat starch, marine algae, or hydrogenated palm oil modulate methane emissions similarly in dairy goats and cows, but not feeding behavior. *Anim. Feed Sci. Technol.* 272 114783,
- **Coppa M**. Jurquet J., Eugene M., Dechaux T., Rochette Y., Lamy J.M., Ferlay A., and Martin C. 2021. Repeatability and ranking of long-term enteric methane emissions measurement on dairy cows across diets and time using GreenFeed system in farm-conditions. *Methods – in press*186, 59–67
- **Coppa M**., Martin B., Hulin S., Guillemin J., Gauzentes J.V., Peco. A., Andueza D. 2021. Prediction of indicators of cow diet composition and authentication of feeding specifications of Protected Designation of Origin cheese using mid-infrared spectroscopy on milk. *J. Dairy Sci.* 104:112–125,
- Nicolao A., **Coppa M**., Bouchon M., Sturaro E., Pomiès D., Martin B. and Koczura M. 2020. Early-life dam-calf contact and grazing experience influence post-weaning behavior and herbage selection of dairy calves in the short Term. *Front. Vet. Sci.* 7:600949.
- Renna M., Ferlay A., Lussiana C., Bany D, Graulet B., Wyss U., Ravetto Enri S., Battaglini L.M., **Coppa M**. 2020. Relative hierarchy of farming practices affecting the fatty acid composition of permanent grasslands and of the derived bulk milk. *Anim. Feed Sci. Technol.* 267, 114561
- Prache S., Martin B., **Coppa M**. 2020. Authentication of grass-fed meat and dairy: a review. *Animal.* 14:854–863. IF 1.870.
- Manzocchi E., Koczura M., **Coppa M**., Turille G., Kreuzer M., Berard J. 2019. Grazing on upland pastures part-time instead of full-time affects the feeding behavior of dairy cows and has consequences on milk fatty acid profiles. *Animals* 9: 908
- **Coppa M**., Chassaing C., Sibra C., Cornu A., Harstad O.M., Verbič J., Golecký J., Engel E., Ratel J., Ferlay A, Martin B. 2019. Forage system is the key driver of mountain milk specificity *J. Dairy Sci.* 102: 10483–10499.
- Koczura M., Martin B., Bouchon M., Turille G, Berard J., Farruggian A., Kreuzer M., **Coppa M**. 2019. Grazing behaviour of dairy cows on mountain pastures is more influenced by slope than by cow breed. *Animal*, 13: 2594–2602.
- Valle E., Pozzo L., Giribaldi M., Bergero D. Gennero M.S., Dezzutto D., McLeane A., Borreani G., **Coppa M**., Cavallarini L. 2018. Effect of farming system on donkey milk composition. *J. Sci. Food Agric.* DOI 10.1002/jsfa.8777.
- **Coppa M**., Revello-Chion A., Giaccone D., Tabacco E., Borreani G. 2017. Could predicting fatty acid profile by mid-infrared reflectance spectroscopy be used as a method to increase the value added by milk production chains? *J. Dairy Sci.* 100:8705–8721.
- Giaccone D., Revello-Chion A., Galassi L., Bianchi P., Battelli G., **Coppa M**., Tabacco E., Borreani G. 2016. Effect of milk thermisation and farming system on cheese sensory profile and fatty acid composition. *Int. Dairy J.* 59: 10-19.

- **Coppa M.**, Ferlay A., Borreani G., Revello Chion A., Tabacco E., Tornambé G., Pradel P., Martin B. 2015. Effect of phenological stage and proportion of fresh herbage in cow diets on milk fatty acid composition. *Anim. Feed Sci. Technol.* 208: 66–78.
- Comino L., Righi F., **Coppa M.**, Quarantelli A., Tabacco E., Borreani G. 2015. Relationships among early lactation milk fat depression, cattle productivity and fatty acid composition on intensive dairy farms in Northern Italy. *Ita. J. Anim. Sci.* 14: 350:361.
- **Coppa M.**, Farruggia A., Ravaglia p. Pomiés, D., Borreani, G., Le Morvan, A., Ferlay, A. 2015 Frequent moving of grazing dairy cows to new paddocks increases the variability of milk fatty acid composition. *Animal.* 9: 604–613.
- **Coppa M.**, Chassaing C., Ferlay A., Agabriel C., Laurent C., Borreani G., Barcarolo R., Baars T., Kusche D., Harstad O.M., Verbič J., Golecký J., Delavaud, C., Chilliard Y., Martin B. 2015. Potential of milk fatty acid composition to predict diet composition and authenticate feeding systems and altitude origin of European bulk milk. *J. Dairy Sci.* 98: 1539–1551.
- Farruggia A., Pomiés D., **Coppa M.**, Ferlay A., Verdier-Metz I., Bethier A., Pompanon F., Troquier O., Martin B. 2014. Animal performances, pasture biodiversity and dairy product quality: How it works in contrasted mountain grazing systems. *Agric. Ecosys. Env.* 185: 231- 244.
- **Coppa M.**, Revello-Chion A., Giaccone D., Ferlay A., Tabacco, E., Borreani G. 2014. Comparison of near and medium infrared spectroscopy to predict fatty acid composition on fresh and thawed milk. *Food Chem.* 150: 49-57.
- Hurtaud C., Dutreuil M., **Coppa M.**, Agabriel C., Martin B. 2013. Characterization of milk from feeding systems based on herbage or corn silage with or without flaxseed and authentication through fatty acid profile. *Dairy Sci. & Technol.* 94:103–123.
- Borreani G., **Coppa M.**, Revello-Chion A., Comino L., Giaccone D., Ferlay A., Tabacco 2013. Effect of different feeding strategies in intensive dairy farming systems on milk fatty acid profiles, and implication on feeding costs in Italy. *J. Dairy Sci.* 96, 6840-6855.
- **Coppa M.**, Ferlay A., Chassaing C., Agabriel C., Glasser F., Chilliard Y., Borreani G., Barcarolo R., Baars T., Kusche D., Harstad O.M., Verbič J., Golecký J., Martin B. 2013. Prediction of bulk milk fatty acid composition based on farming practices collected through on-farm surveys. *J. Dairy Sci.* 96: 4197–4211.
- **Coppa M.**, Martin B., Agabriel C. Chassaing C., Sibra C., Constant I, Graulet B., Andueza D. 2012. Authentication of cow feeding and geographic origin on milk using visible and near-infrared spectroscopy. *J. Dairy Sci.* 95: 5544-5551.
- **Coppa M.**, Gorlier A., Lonati, M., Martin B., Russo EM, Lombardi G. 2012. The management of the transition from hay- to pasture-based diets affects milk fatty acid kinetics. *Dairy Sci. Technol.* 92: 27-295.
- **Coppa M.**, Verdier-Metz I., Ferlay A., Pradel P., Didiene R., Farruggia, A., Montel M.C., Martin B. 2011. Effect of different grazing systems on upland pastures compared with hay diet on cheese sensory properties evaluated at different ripening times. *Int. Dairy J.* 21: 815-822.
- **Coppa M.**, Martin B., Pradel P., Leotta B., Priolo A., Vasta V. 2011. Effect of a hay-based diet or different upland grazing systems on milk volatile compounds. *J. Agric. Food Chem.* 59: 4947–4954.
- **Coppa M.**, Farruaggia A., Pradel P., Lombardi G., Martin B. 2011. An improved 'grazed class method' to estimate species selection and dry matter intake by cows at pasture *Ita. J. Anim. Sci.* 10: 58-65.
- **Coppa M.**, Ferlay A., Monsallier F., Verider-Metz I., Pradel P., Didiene R., Farruggia A., Montel M.C., Martin B. 2011. Milk fatty acid composition and cheese texture and appearance from cows fed hay or different grazing systems on upland pastures. *J. Dairy Sci.* 94: 1132–1145.
- **Coppa M.**, Ferlay A., Leroux C., Jestin M., Chilliard Y., Martin B., Andueza D. 2010. Prediction of milk fatty acid composition by Near Infrared Reflectance Spectroscopy (NIRS). *Int. Dairy J.* 20: 182-189.

Autorizzo l'utilizzo dei dati personali ai sensi Regolamento Europeo n.679/2011

