

University Academic Curriculum Vitae

Personal information

Laura Franziska Flach

Education since leaving school

- 2013 Bachelor of Science in Viticulture and Enology, Hochschule Geisenheim University
- 2016 Master of Science in Organic Agriculture, Universität für Bodenkultur, Wien
- 2021 “Comparison of different dairy production systems in South Tyrol regarding sustainability aspects”, PhD in Mountain Environment and Agriculture, Free University of Bolzano

Present appointment

Holder of a research contract

- Since 06/2025
- Free University of Bozen-Bolzano, Faculty of Agricultural, Environmental and Food Sciences
- Research on sustainable livestock farming, under the supervision of Dr. Thomas Zanon

Professional experience

From / to	Job title	Name of academic institution	Academic level	Responsibilities
09/2024 - 05/2025	Teacher for mathematics and science	Josef von Aufschnaiter Mittelschule	M.Sc.	• Teaching • Revision of maths and science curricula
02/2015 - 07/2015	Teaching assistant	Universität für Bodenkultur, Division of organic farming	M.Sc.	• Literature review • Supervision during exams • Preparation of lectures

Research and scholarships

Date granted	Award holder(s)	Funding body	Title
11/2016	Laura Franziska Flach	University of Bolzano	PhD Scholarship

Publications

Journal articles

Flach, L. F., Sabia, E., & Zanon, T. (2026). Dairy Goat Farming in Alpine Mountain Areas: Sustainability and Profitable Approach. *Animals*, 16(12), 1794.

Scheler, A., Stetter, K., Tober, O., Flach, L. F., Sanftleben, P., Demba, S., ... & Rose, S. (2026). Suitability of sensor technologies for monitoring water buffalo (*Bubalus bubalis*) behavior in year-round coastal grazing systems. *Frontiers in Animal Science*, 7, 1818325.

Flach, L., Kühl, S., Lambertz, C., & Gauly, M. (2021). Environmental impact and food production of small-scale mountain dairy farms at different supplementation levels. *Journal of Cleaner Production*, 310, 127429.

Flach, L., Kühl, S., Lambertz, C., DeMonte, E., & Gauly, M. (2021). Effect of low and high concentrate supplementation on health and welfare indicators in different breeds in small-scale mountain dairy farms. *Journal of Dairy Research*, 88(2), 139-146.

Kühl, S., Flach, L., & Gauly, M. (2020). Economic assessment of small-scale mountain dairy farms in South Tyrol depending on feed intake and breed. *Italian Journal of Animal Science*, 19(1), 41-50.

Sabia, E., Kühl, S., Flach, L., Lambertz, C., & Gauly, M. (2020). Effect of feed concentrate intake on the environmental impact of dairy cows in an alpine mountain region including soil carbon sequestration and effect on biodiversity. *Sustainability*, 12(5), 2128.

Conference papers

Flach, L., Kühl, S., Lambertz, C., Gauly, M. (2018). Effekt verschiedener Kraftfutterintensitäten auf Tierwohl und Tiergesundheit in der Milchviehhaltung im Berggebiet. Vortragstagung der DGfZ und GfT: Aus der Arbeit der Forschungsstätten für Tierwissenschaften. Bonn, Deutschland.

Flach, L., Kühl, S., DeMonte, E., Lambertz, C., Gaily, M. (2018). Effect of low and high concentrate supplementation on health and welfare in mountain dairy farms. 69th Annual Meeting of the European Federation of Animal Science. Dubrovnik, Croatia.

Kühl, S., Flach, L., Lambertz, C., Gaily, M. (2018). Economic assessment of mountain dairy farms considering concentrate supplementation and breed. 69th Annual Meeting of the European Federation of Animal Science. Dubrovnik, Croatia.

Flach, L. (2018). Effect of low and high concentrate supplementation on health and welfare in mountain dairy farms. 1st European Symposium on Livestock Farming in Mountain Areas. Bozen, Italy.

Lambertz, C., Flach, L., Poulopoulou, I., Gaily, M. (2017). Endoparasites in sheep and goats: prevalence and control strategies of mountain farms in Northern Italy. 68th Annual Meeting of the European Federation of Animal Science. Tallin, Estonia.

Other publications

Flach, L. F. (2021). Comparison of different dairy production systems in South Tyrol regarding sustainability aspects (Doctoral dissertation, Free University of Bozen-Bolzano).

Flach, L. F. (2016). Verbesserung des Tierwohls: eine quantitative Studie zu den Einstellungen von Landwirten/Landwirtinnen und der Umsetzbarkeit von Maßnahmen in der Praxis (Masters Thesis, Universität für Bodenkultur, Vienna).

Language competence

German: First language

English: C1

Italian: A2

Date

Signature