

Saman Lashkari - curriculum vitae – Updated on 13-02-2026

Position

Associate professor, Aarhus University. AU Viborg. Department of Animal and Veterinary Sciences.

<https://www.au.dk/en/show/person/saman.l@anivet.au.dk>

Profile

During my academic career, my main responsibilities have been divided into two parts: 1) to develop and drive research on animal nutrition, with focus on nutrition and metabolism of lipid, fatty acid, and vitamin 2) teaching in area of lipid, fatty acid, and vitamin nutrition and metabolism. Throughout my career, my major research areas have included lipid and fatty acid metabolism, improving the fatty acid profile of dairy products, and research related to the digestion, metabolism, and function of vitamins. In addition, I have been leading nutritional experiments with different animals, including dairy cattle, beef cattle, calf, sheep, goat, poultry, horse, piglet, and mink. I have experience in lipid and fatty acid analysis by gas liquid chromatography and vitamin analysis using high performance liquid chromatography. Recently as assistant professor, I have been working on providing public sector consultancy for the Ministry of Food, Agriculture and Fisheries of Denmark. The Ministry tasks have included a meta-analysis on fat supplements to dairy cows in early lactation to reduce methane emission and assessment of environmental impact of animal husbandry. In the most recent project funded by The Danish Milk Levy Fund (Mælkeafgiftsfonden), I am conducting research on effect of methane mitigation strategies on vitamin B12 synthesis in the rumen and B12 content in milk.

Education and scientific positions:

2026-now: Associate professor, Aarhus University. AU Viborg. Denmark.

2022-2026: Assistant professor, Aarhus University. AU Viborg. Denmark.

2018-2022: PostDoc. Aarhus University. Foulum. Denmark.

2017-2018: Research assistant. Aarhus University. Foulum. Denmark.

2015-2016: PhD. Sabbatical. Aarhus University. Foulum. Denmark.

2012-2016: PhD. Livestock and Poultry Nutrition, University of Kurdistan, Sanandaj, Iran.

2009-2011: MSc. Degree in Animal Nutrition, University of Tabriz, Tabriz, Iran.

2007-2009: BSc. Degree in Animal Science, University of Kurdistan, Sanandaj, Iran.

2005-2007: Associate degree in Animal Science, University of Kurdistan, Sanandaj, Iran.

Additional education:

2022- A course on “University Pedagogical Programme for assistant professors and postdocs”- Aarhus University

2022- A course on “Research-based public sector consultancy”- Aarhus University

2018- A course on “Animal Experimentation”- Aarhus University

Research (Peer- reviewed publications)

Total number of publications in peer reviewed journals: 47; total citations: 638; h-index: 16; i10-index: 24 (Google Scholar)

- 26 peer-reviewed publications as first author
- 4 peer-reviewed publications as last authors
- 17 peer-reviewed publications as co-authors

Additionally, I have published 17 abstracts in conferences.

Note: For detailed information regarding publications, please check the publication list.

Research (academic leadership/funding)

I. Granted project as principal investigator:

1. 2024- Effect of methane mitigation on vitamin B12 synthesis. Granted by Danish Milk Levy Fund (Malkeafgiftsfonden)
2. 2024- Development of secure minimum level supplementation schemes for synthetic vitamins A and E in organic dairy cattle. Granted by EU-Horizon.
3. 2025- Sufficient vitamin D for healthy and robust calves. Under review in Cattle Levy Fund.

II. Granted research project involvement as workpackage leader:

1. 2004- Crude fat and fatty acids are not the same fat. Granted by Danish Milk Levy Fund (Malkeafgiftsfonden)
2. 2023- On farm statements of Environmental and Climate Impact from Milk Production Granted by Danish Ministry of Food, Agriculture and Fisheries.
3. 2017- A unique concentrate with stabilized natural vitamin E for weaning calves. Granted by GUDP programme, which is coordinated by Danish Ministry of Food, Agriculture and Fisheries.
4. 2017- Oat for organic dairy cow. Granted by Danish Milk Levy Fund (Malkeafgiftsfonden).
5. 2017- Grass milk. Granted by Danish Milk Levy Fund (Malkeafgiftsfonden).

III. Industrial collaboration:

1. Since 2024: I have been collaborating in a research project with DSM-Fermentis company as Principal Investigator entitled "Vitamin D effect on the performance and mineral metabolism in transition cows".
2. 2018-2021: Under the GUDP programme and in collaboration with two Danish major companies (DLG and Vilofoss), we (AU, DLG and Vilofoss) developed a concentrated starter pellet enriched with a natural source of vitamin E for calf nutrition. This product achieved significant success in the EU and was honored with the Innovation Award at EuroTier in 2022.

IV. Public sector collaboration:

I have been primarily responsible for running several public sector research-based projects, as listed below

1. 2021- Extending the Danish Normative Values for Animal Manure- Inclusion of carbon to model the emission of green house gasses from farm animals, barn and storage.
2. 2021- Fat supplements to dairy cows in early lactation. Granted by Danish Ministry of Food, Agriculture and Fisheries.

Additionally, in 2022, I successfully passed the mandatory course in Research-based public sector consultancy at Aarhus University.

V. Public Outreach:

Authored 3 popular science articles in Danish magazines (see my publication list).

Teaching

1. Start date: 2026, Co-course responsible in “Feed Evaluation Science” course, Animal Science Education. Aarhus University.
2. Start date 2026, Lipids in Animal Nutrition in “Comparative animal nutrition and feeding” course- Veterinary Science Education. Aarhus University,
3. Start date: 2025, Vitamins in feed in “Foderproduktion og Processering” course- Animal Science Education, Aarhus University.
4. Start date 2025, Vitamins in animal nutrition in “Dyrs Ernæring og Fodring” course- Animal Science Education, Aarhus University.
5. Since 2022-Now, Lipid nutrition in “Lipid Biotechnology and Engineering Laboratory” course, Engineering Department, Aarhus University.
6. 2019-2022: Lipids in Animal Nutrition in “Dyrs Ernæring og Fodring” course- Agrobiolology Education, Aarhus University.

Supervision

1. 2024: Main supervisor of internship master student, Lauryn Charoy from Toulouse University, France.
2. 2024: Main supervisor of internship master student, Laurie Pons from Toulouse University, France.
3. 2022: Co-supervisor of PhD student (visiting), Zohreh Zarnegar from Mashad University, Iran.
4. 2021: Co-supervisor of PhD student (visiting), Ali Mosavi Rad from Ahvaz University, Iran.
5. 2020: Co-supervisor of PhD student (visiting), Samira Faryadi from University of Kurdistan, Iran.
6. 2019: Co-supervisor of bachelor student, Camilla Bøgested Jessen from Aarhus University, Denmark.
7. 2018: Co-supervisor of bachelor student, Camilla Munk Asmussen from Aarhus University, Denmark.
8. 2018: Co-supervisor of master student, Farhad M. Panah from Aarhus University, Denmark.