Tina Skau Nielsen, Curriculum Vitae

Personal:	Tina Skau Nielsen, born 1977, married, 3 children
Contact:	TinaS.Nielsen@anivet.au.dk; https://www.linkedin.com/in/tina-skau-nielsen-ba5a5211a/
Present position:	Associate Professor, Dept. Animal- and Veterinary Sciences, Aarhus University, AU-Viborg
Profile:	My research areas are nutrition and feeding focusing on nutrient and mineral utilization in pigs and the impact of dietary components on intestinal fermentation, gut and metabolic health parameters. Other main areas are pig models for large intestinal inflammation and unwanted substances such as PFAS in the feed-food chain.
Education:	PhD (Nutrition & Cancer Biology, University of Copenhagen, DK, 2010), MSc (Anim. Sci., Royal Veterinary and Agricultural University, Copenhagen, DK, 2004).
Supervision:	Bachelor- (1), Master- (5), PhD-(5) students.
International:	Elham Assadi Soumeh, Uni. Queensland (AUS); Julie M. Clarke, Commonwealth Scientific and Industrial Research Organization, Adelaide (AUS); Maria Marco, Uni. California, Davis (USA).
Project leadership:	Principal investigator and leader of research projects with total budgets of 24 mio DKK funded by The Danish Pig Ley Fund (1), The Independent Research Fund Denmark (2), Danish Veterinary and Food Administration (3), private companies (EasyMining, Adisseo, 2), The Danish PFAS-center (1).
Courses:	Development course for research leader talents (2023-2024), Research-based public sector consultancy (2022) at AU; Teacher Training Programme for Ass Prof/Post Docs at AU (2016-2017); Scientific project leading (2011); PhD supervision course (2010)
Stays abroad:	Commonwealth Scientific and Industrial Research Organization, Adelaide, Australia (2017) and Lombardi Cancer Centre, Georgetown University, Washington DC, USA (2008).
Teaching:	Course responsible of and lecturer in the AU BSc course "Anatomy and physiology of domestic animals", lecturer in the BSc courses "Animal Nutrition", tutor in the course "Feedstuff Evaluation" and lecturer in "Nutritional Physiology".

Selected publications (total 47: H-index: 17, citations: 1462)

- Soumeh EA, **Nielsen TS**, Hedemann MS & Curtasu MV (2025). Integrated faecal microbiota and blood metabolic changes following different dietary zinc oxide level in weaned piglets. Sci. Reports 15:18346. doi.org/10.1038/s41598-025-03103-7
- **Nielsen TS,** Hansen SV & Woyengo TA (2024). Growing-finishing pigs do not need additional zinc in a phytase supplemented wheat-barley-soybean meal-based diet. Can. J. Anim. Sci. Accepted
- Hansen SV, Canibe N, Nielsen TS, Woyengo TA. (2024). Zinc status and indicators of intestinal health in enterotoxigenic *Escherichia coli* F18 challenged newly weaned pigs fed different dietary zinc contents. J. Anim. Sci., 102 1-11.
- Hansen SV, Nørgaard JV, Woyengo TA, **Nielsen TS** (2023). The relationship between zinc intake, dietary content, and fecal excretion in pigs. Livest. Sci. 271, 105228
- Panah FM, Nielsen KD, Simpson GL, Schönherz AA, Schramm A, Lauridsen C, **Nielsen TS**, Højberg O, Fredborg M, Purup S, Canibe N (2023). A westernized diet changed the colonic bacterial composition and metabolite concentration in a pig model for ulcerative colitis. Front. Microbiol. 14:1018242
- Wisbech SJ, Jørgensen H, **Nielsen TS** & Bach Knudsen KE (2023). Influence of fiber-rich co-products on nutrient and energy digestibility and utilization in sows. J. Anim. Sci. 3: 101:skad086
- Woyengo TA, Nørgaard JV, van der Heide M & **Nielsen TS** (2022). Calcium and phosphorus availability in rock- and bone-derived calcium phosphates for pigs and poultry. Anim. Feed Sci. Technol. 294, 115509.
- **Nielsen TS,** Engelsmann MN, Hansen SV, Maribo H (2022). Bioavailability of different zinc sources in pigs 0-3 weeks post-weaning. Animals, 12, 2921.
- Hansen SV, Nørskov NP, Nørgaard JV, Woyengo TA, Poulsen HD, **Nielsen TS** (2022). Determination of the optimal level of dietary zinc for newly weaned pigs: A dose-response study. Animals, 12, 1552.
- **Nielsen TS**, Fredborg M, Theil PK, Yue Y, Bruhn LV, Andersen V & Purup S. (2020). Dietary red meat adversely affects disease severity in a pig model of DSS-induced colitis despite reduction in colonic pro-inflammatory gene expression. Nutrients, 12, doi:10.3390/nu12061728

Complete list is available at: https://pure.au.dk/portal/da/persons/tina-skau-nielsen(76cf0884-56f1-4cef-b905-4b79e8ce0120)/publications.html