



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Curriculum Vitae

Family Name: Galli

Given Name: Maria Costanza

Nationality: Italian

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Education:

- PhD in Animal and Food Science, Università di Padova (2019-2022)
- M.Sc. Master's in Animal Science (2015-2017)
- B.Sc. Bachelor's in Protection and Animal Welfare (2012-2015)

Research areas:

- Health and welfare of sows
- Health and welfare of piglet

PhD project:

The Ph.D. program is assessed to study the housing and management interventions aimed at improving pig welfare in the various phases of the production cycle. The Directive 120/2008 CE provides minimum standards for the welfare of pigs, it is clear, however, that some aspects need further investigation. One of these is the gestation phase of the sow, in fact, the Directive allowed that sows can be housed for the first 4 weeks after service in an individual stall to prevent the most delicate period of gestation from being interrupted by stress episodes due to fights for hierarchy or feed restriction. However, housing in individual stalls is not suitable for ensuring the possibility of carrying out the natural behavior of the sow. In light of this, we are carrying out a study aimed at examining the effects of mixing sows early after insemination on reproductive and productive performance, injuries, and stress physiology. Likewise, the management of the farrowing and the subsequent phase of breastfeeding are the phases of confinement of the sows in individual stalls. Also in this phase, we are carrying out a study aimed at examining different housing and managerial strategies to ensure a high standard of the welfare of the sows that at the same time don't negatively influence the crushing and growing of the piglets. A further important aspect concerns pain reduction during routine practices for piglets, like vaccination and castration. We have published a study concerning the welfare of piglets concerning route of vaccine administration and we submitted two articles assessing the efficacy and practicability of farm protocols in pain management during piglet castration.

Supervisor:

Flaviana Gottardo

Publications:

https://scholar.google.com/citations?view_op=list_works&hl=it&user=0MEPKxAAAAAJ