

**Feeding pigs and broilers for their health: the need to go beyond animal performance - from a meta-analytic approach to animal trials**

**Alimenter les porcs et les poulets de chair pour leur santé : la nécessité d'aller au-delà des performances des animaux - d'une approche méta-analytique aux expérimentations animales**

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Marie-Pierre Létourneau-Montminy earned her MSc at AgroParisTech in Paris. Subsequently, she graduated from both AgroParisTech and Laval University with a PhD studying calcium and phosphorus metabolism in growing pigs and broilers using modeling and meta-analysis approaches. Marie-Pierre completed a post-doctoral internship on precision feeding in pigs at Agriculture and Agri-Food Canada. She is a research chair with several partners on alternative feeding strategies in pig and poultry in a context of sustainability at Laval University where she now holds an Associate Professor position. Her main research focus is on producing sustainable animal protein especially optimizing the utilization of phosphorus and nitrogen in pigs and poultry by understanding and quantifying the impact of factors related to the diet and to the animal through animal trials, meta-analysis and modelling to help in formulating eco-friendly, healthier and low-cost diets. She received the award for the best PhD in animal science in France (AFZ) and the National Pork Board Award at the Midwest Meeting of ASAS for her post-doctoral studies. She recently held a Canada Research Chair Tier 2 on *Production of sustainable animal protein*.