

Lecturer XU Lei

College	College of Animal Science & Technology
Current Position	Lecturer
Types of Tutor	Master Tutor
Language	Chinese/English
Education	2019.3-2020.3, Texas A&M University, Poultry Science, Visiting scholar. 2006.9-2011.7, Chinese Academy of Agricultural Sciences, Animal Nutrition and Feed Science, Ph. D degree. 2002.9-2006.6, Sichuan Agriculture University, Animal Science, Bachelor degree.
Research Interests	Poultry production. Researches in the fields of improving gut health, growth performance, reproductive performance, and product (meat and egg) quality in poultry (chicken, goose, duck, etc.) through the strategies of management, poultry nutrition and feed science. The objectives are to promote environmental protection, food security, food safety, and human health with economic and efficient strategies in poultry production. The special research area includes the evaluation of the nutritional values in feed ingredients of goose feeds, pre-slaughter management of poultry, and short-term mediation of meat quality in poultry.
Selected Publications	1.Xu, L., Zhang, H. J., X. L. Wan, Yang, H. M., Wang, Z. Y., Qi, G. H. & Farnell, M. (2019). Evaluation of pre-slaughter low-current/high-frequency electrical stunning on lipid oxidative stability and antioxidant status in thigh muscle of broilers. International Journal of Food Science & Technology. Doi:10.1111/ijfs.14402. 2.Xu L., Zhang H.J., Yue H.Y., Wu S.G., Yang H.M., Qi G.H., et al. (2018). Low-current & high-frequency electrical stunning increased oxidative stress, lipid peroxidation, and gene transcription of the mitogen-activated protein kinase/nuclear factor-erythroid 2-related factor

	<p>2/antioxidant responsive element (MAPK/Nrf2/ARE) signaling pathway in breast muscle of broilers. Food Chemistry, 242: 491–496.</p> <p>3.Xu L., Zhang H.J, Yue H.Y., Wu S.G., Yang H.M., Wang Z.Y. et al. (2018). Gas stunning with CO2 affected meat color, lipid peroxidation, oxidative stress, and gene expression of mitogen-activated protein kinases, glutathione s-transferases, and Cu/Zn-superoxide dismutase in the skeletal muscles of broilers. Journal of Animal Science and Biotechnology, 9: 37.</p>
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