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个人简介：

朱明坤，博士，副教授，江苏省“双创博士”，硕士生导师。2020 年 6 月毕业于浙江大学动物营养与饲料科学专业，获农学博士学位。主要从事家禽营养与调控、环境卫生与饲料安全研究。目前主持国家自然科学基金青年项目 1 项（国家级），江苏省高校自然科学基金面上项目 1 项（市厅级）；以项目骨干参与国家蚕桑产业技术体系项目一项。发表文章 30 余篇，其中以第一作者在 Ecotoxicology and Environmental safety, Poultry Science, Journal of Animal Science, Antioxidants, Animals, Italian Journal of Animal Science 等主流杂志发表 SCI 论文多篇。

研究方向（领域）：

（1）家禽营养与调控

（2）环境卫生和饲料安全

（3）家蚕人工饲料育

招生方向：

硕士：生物学，畜牧学，畜牧

课程教学：

（1）现代动物营养学（研究生）

（2）畜禽生态与环境控制（研究生）

（3）饲料加工及检测技术（研究生）

代表性论著：

（一）论文（#为共同第一作者，*为通讯作者）

(1) Haitong Zhao, Lianxiang Guo, Ming Yan, Yue Sun, Yan Hong, **Mingkun Zhu***. Effects of dietary chlorogenic acid supplementation on laying performance, eggquality, antioxidant capacity, and liver lipid metabolism in late-peak laying hens. Italian Journal of Animal Science. 2025, 24(1):576-588.

(2) Sun Yue, Li Zhuang, Yan Ming, Zhao Haitong, He Zhengxing, **Zhu Mingkun***. Responses of Intestinal Antioxidant Capacity, Morphology, Barrier Function, Immunity, and Microbial Diversity to Chlorogenic Acid in Late-Peak Laying Hens. Animals. 2024, 14(20):2957.

(3) Zhao Haitong1, Li Zhuang1, Sun Yue, Yan Ming, Wang Yingjie, Li Yurong, Zhang Yeshun, **Zhu Mingkun***. Supplementation of Chlorogenic Acid Alleviates the Effects of H2O2-Induced Oxidative Stress on Laying Performance, Egg Quality, Antioxidant Capacity, Hepatic Inflammation, Mitochondrial Dysfunction, and Lipid Accumulation in Laying Hens. Antioxidants. 2024, 13, 1303.

(4) **Mingkun Zhu***, Ming Yan, Maierhaba Musa, Yurong Li, Yeshun Zhang, Xiaoting Zou. MicroRNA-129-1-3p protects chicken granulosa cells from cadmium-induced apoptosis by down-regulating the MCU-mediated Ca^{2+} signaling pathway. Ecotoxicology and

Environmental Safety. 2024, 269:115906

(5) **Mingkun Zhu**, Ming Yan, Jianfei Chen, Huaiyu Li, Yeshun Zhang. MicroRNA-129-1-3p attenuates autophagy-dependent cell death by targeting MCU in granulosa cells of laying hens under H2O2-induced oxidative stress. Poultry Science. 2023, 102(10):103006.

(6) **Mingkun Zhu**, Ming Yan, Huaiyu Li, Xiaotong Zou, Muwang Li*. Egg white composition, antioxidant capacity, serum and yolk lipids and oxidative damage of the oviduct magnum in laying hens fed diets contaminated with different concentrations of cadmium. Italian Journal of Animal Science. 2023, 22(1):276–290.

(7) **Mingkun Zhu**, Sasa Miao, Wenting Zhou, Shaaban saad Elnesr, Xinyang Dong, Xiaotong Zou*. MAPK, AKT/FoxO3a and mTOR pathways are involved in cadmium regulating the cell cycle, proliferation and apoptosis of chicken follicular granulosa cells. Ecotoxicology and Environmental Safety. 2021, 214:11291.

(8) **Mingkun Zhu**, Huaiyu Li, Luhong Bai, Liansong Wang, Xiaotong Zou*. Histological changes, lipid metabolism, and oxidative and endoplasmic reticulum stress in the liver of laying hens exposed to cadmium concentrations. Poultry Science. 2020, 99(6):3215-3228.

(9) **Mingkun Zhu**, Huaiyu Li, Liping Miao, Lanlan Li, Xinyang Dong, Xiaotong Zou*. Dietary cadmium chloride impairs shell biomineralization by disrupting the metabolism of the eggshell gland in laying hens. Journal of Animal Science. 2020, 98(2).

(10) **Mingkun Zhu**, Wenting Zhou, Luhong Bai, Huaiyu Li, Liansong Wang, Xiaotong Zou*. Dietary Cadmium Chloride Supplementation Impairs Renal Function and Bone Metabolism of Laying Hens. Animals. 2019, 19: 9(11).

(11) **Mingkun Zhu**, Xiaoyun Zhang, Xinyang Dong, Xiaotong Zou*. Effects of in ovo feeding of L-lysine on hatchability, hatching time, and early post-hatch development in domestic pigeons (Columba livia). Poultry Science. 2019, 98(11):5533-5540.

科研项目：

(1) 国家自然科学基金-青年项目(32202702)，2023/01-2025/12，在研，主持；

(2) 江苏省高等学校基础科学（自然科学）研究面上项目(22KJB230004)，2022/07-2024/06，在研，主持；

(3) 江苏科技大学引进人才启动项目，在研，主持。

(4) 国家蚕桑产业技术体系，CARS-18-ZJ0107，2022-2025，238万元，在研，参与。

奖励与荣誉（人才称号）：

江苏省“双创博士”

江苏省“科技副总”