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研究方向：动物营养代谢病与中毒性疾病；动物性食品安全



个人简介：博士，教授，博士研究生导师。上海市“浦江人才”获得者。南京农业大学“高层次引进人才”。分别于2001年和2004年获得东北农业大学动物医学院农学学士和农学硕士学位。2008年获得上海交通大学生命科学技术学院分子生物学与生物化学理学博士学位。2010年起，先后获得欧盟“伊拉斯谟奖学金”，以及“比利时科技部-玛丽居里夫人联合奖学金”资助，赴比利时根特大学药学院从事博士后研究。2014年作为人才引进南京农业大学动物医学院从事科研与教学工作。现任中国畜牧兽医学会动物毒物学分会常务理事，中国畜牧兽学会家畜内科学分会理事，中国毒理学会会员。主持国家及省部级课题10余项，发表SCI论文50余篇，申请专利4项，获批1项。是多个国际期刊杂志的特邀审稿专家。

科研项目：

- 1.国家重点研发计划，2016YFD0501207，真菌毒素中毒病防控技术研究，2016年07月-2020年12月
- 2.国家重点研发计划，2016YFD0501009，宠物重要营养代谢病防控技术与调控产品研究，2016年07月-2020年12月
- 3.江苏省自然科学基金，SBK2016020605，ZEA诱导猪小肠上皮细胞保护性自噬的分子机制，2016年7月-2019年6月
- 4.南京农业大学国际合作项目，2018-AF-20，肯尼亚非产毒黄曲霉生防菌中主要霉菌毒素代谢产物的毒理学评价，2018年7月-2019年7月
- 5.中央高校基本业务费，KYZ201524，基于量子点标记技术的玉米赤霉醇及氯霉素残留快速检测技术研究，2015年1月-2017年12月
- 6.南京农业大学高层次引进人才启动项目，动物性食品安全研究，2015年1月-2020年1月
- 7.上海市科委浦江人才项目，13PJ1407200，基于特异性生物标志物的鸡蛋中重要真菌毒素暴露评估技术研究，2013年9月-2015年9月
- 8.上海市科委国际合作项目，14520720300，基于电子纺丝技术的饮料中真菌毒素的清除技术研究，2014年9月-2017年9月
- 9.上海市科委科技惠民计划项目，13231202802，粮食和蔬菜中高毒危害因子快速检测产品的示范应用，2013年9月-2015年9月
- 10.上海市闵行区科委中小企业项目，2014MH017，三种真菌毒素标准品的开发及应用，2014年4月-2015年4月

荣誉奖项：上海市浦江人才

代表性论著（仅列出第一作者及通讯作者文章）：

1. Shen T., Miao, Y., Ding C., Fan W., Liu S., Lv Y., Gao X., DeBoevre M., Yan L., Okuth S., DeSaeger S., **Song S.**, Activation of the p38/MAPK pathway regulates autophagy in response

- to the CYPOR-dependent oxidative stress induced by zearalenone in porcine intestinal epithelial cells. *Food Chem Toxicol*, 2019. 131: p. 110527.
2. Liu S, Fan W, Gao X, Huang K, Ding C, Ma G, Yan L, **Song S**. Estrogen receptor alpha regulates the Wnt/ β -catenin signaling pathway in colon cancer by targeting the NOD-like receptors. *Cellular Signalling*. 2019;61:86-92.
 3. Wentao Fan, TongTong Shen, Qiaoqi Ding Q, YananLv, Li Li, Liping Yan, **Suquan Song**, Estrogen receptors participate in carcinogenesis signaling pathways by directly regulating NOD-like receptors. *BiochemBiophys Res Commun*, 2019. 511(2): p. 468-475.
 4. Manyu Shao, Ming Yao, Sarah De Saeger, Liping Yan and **Suquan Song**. Carbon Quantum Dots Encapsulated Molecularly Imprinted Fluorescence Quenching Particles for Sensitive Detection of Zearalenone in Corn Sample. *Toxins*, 2018, 10, 438.
 5. Manyu Shao, Li Li, ZuliGu, Ming Yao, Danning Xu, Wentao Fan, Liping Yan & **Suquan Song** (2018): Mycotoxins in commercial dry pet food in China, *Food Additives & Contaminants: Part B*, DOI: 10.1080/19393210.2018.1475425
 6. ChenchenDing, Wentao Fan, Tongtong Shen, Kehe Huang, **Suquan Song**, Liping Yan. Zearalenone can relieve dextran sulfate sodium-induced inflammatory reaction, 2018 <https://doi.org/10.1002/jbt.22236>
 7. L. LI, S. Ren, M. Shao, S. de saeger, **S. Song** and L. Yan, A competitive immunoassay for zearalenone with integrated poly (dimethylsiloxane) based microarray assay *Analytical Methods*, 2018, 10, 4036 – 4043.
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 9. REN Shuai, DING Qiao-Qi, LI Li, SHAO Man-Yu, **SONG Su-Quan**, YAN Li-Ping. Development and Application of A Novel Chemiluminescence Chip Immunoassay for Detection of Chloramphenicol[J]. *Chinese Journal of Analytical Chemistry*, 2018, 46(10): 1581-1587.
 10. DING Qiao-Qi, LI Li, FAN Wen-Tao, LYU Ya-Nan, HU Jian-Hua, YAN Li-Ping, **SONG Su-Quan**. Development of Quantum Dot Submicrobeads-based Fluorescent Immunochromatographic Test Strip for Rapid Detection of Chloramphenicol [J]. *Chinese Journal of Analytical Chemistry*, 2017, 45(11): 1686-1693
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 16. Gao, H, Liu, C P, **Song, S Q**, Fu, J, Effects of Dietary Selenium Against Lead Toxicity on mRNA Levels of 25 Selenoprotein Genes in the Cartilage Tissue of Broiler Chicken, *Biological Trace Element Research*, 2015.12.8,5:1~8.通讯作者
 17. Zhiyong Zhao, **Suquan Song**, Na Liu, JiafaHou, Sarah De Saeger, Aibo Wu, Large-scale preparation and multi-dimensional characterization of high-purity mycotoxin deoxynivalenol in rice culture inoculated with *Fusarium graminearum*, *Anal. Methods*, 2014.01.01,6 (17): 651~6657.共同一作
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 23. **Suquan Song**, Aibo Wu, Xizhi Shi, Rongxiu Li, Zhixin Lin, Dabing Zhang, Development and application of molecularly imprinted polymers as solid-phase sorbents for erythromycin extraction, *Analytical and Bioanalytical Chemistry*, 2008. 4. 01, 390 (8):2141~2150.
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