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简介: 男, 生于1978年8月, 安徽省寿县人, 工学博士, 博士研究生导师, 主要从事畜禽舍建筑与环境调控领域的研究与教学工作。在中国农业大学农业生物环境与能源工程专业获得博士学位, 2007年6月起在中国农业大学水利与土木工程学院分别任讲师、副教授、教授。曾分别在丹麦农科院农业工程研究所(2003.8-2004.5, 现并入奥胡斯大学)、美国俄亥俄州立大学(2005.8-2006.5)、美国伊利诺伊大学香槟分校(2014.1-2015.2)做访问学者。

### ◆研究领域

- (1) 畜禽场空气环境质量与减排
- (2) 畜禽舍热湿环境与调控
- (3) 畜禽新型养殖工艺、行为与福利

### ◆学术团体兼职

国际农业工程学会(CIGR)建筑与环境分会 执行理事  
中国农业工程学会畜牧工程分会 秘书长

### ◆主持/参加的主要科研课题

- (1) 国家重点研发计划课题: 家禽健康识别、养殖环境控制及病死家禽无害化处理设备研发与应用示范, 主持, 2017-2020
- (2) 国家自然科学基金面上项目: 开放式奶牛运动场与粪污堆贮设施N<sub>2</sub>O排放规律研究, 主持, 2015-2018
- (3) 国家自然科学基金面上项目: 奶牛场温室气体排放特征研究与排放机理模型构建, 主持, 2012-2015
- (4) 国家自然科学基金青年基金: 基于双膜理论的奶牛场NH<sub>3</sub>排放机理模型构建与排放规律研究, 主持, 2010-2012
- (5) 国家863计划任务: 畜禽环境监控与数字化养殖关键装备开发, 主持, 2013-2017
- (6) 丹麦奥胡斯大学国际合作项目: 家庭奶牛场温室气体排放测定, 主持, 2013-2014
- (7) 农业部948项目: 设施农业工程国际合作创新平台建设, 共同主持, 2012
- (8) 国家奶牛产业技术体系-牛舍设计岗位, 主要参加, 2011年至今
- (9) 农业公益行业专项: 低碳养殖工艺与关键设备研究与示范, 参加, 2013-2017
- (10) 农业公益行业专项: 设施畜禽工程集成技术与模式研究, 参加, 2009-2013

### ◆学术论文

- (1) Xie Lina, Wang Chaoyuan, Ding Luyu, Gui Zhiyuan, Zhang Lu, Shi Zhengxiang, Li Baoming, Jia Chuntao. Heat stress alleviation for dairy cows housed in an open-sided barn by cooling fan and perforated air ducting (PAD) system. International Journal of Agricultural and Biological Engineering, 2017, 10 (6) :1-10
- (2) 刘羽, 王朝元, 施正香, 李保明. 储奶罐电解水清洗除菌效果与清洗模式优选. 农业工程学报, 2017, 33(20): 300-306.

- (3)Ding Luyu, Wei Cao, Zhengxiang Shi, Baoming Li, Chaoyuan Wang, Guoqiang Zhang & Simon Kristensen. Carbon dioxide and methane emissions from the scale model of open dairy lots. *Journal of the Air & Waste Management Association*, 2016, 66 (7): 715-725.
- (4)Ding Luyu, Qikun Lu, Lina Xie, Jie Liu, Wei Cao, Zhengxiang Shi, Baoming Li, Chaoyuan Wang, Guoqiang Zhang, and Shixi Ren. Greenhouse gas emissions from dairy open lot and manure stockpile in northern China: A case study. *Journal of the Air & Waste Management Association*, 2016, 66(3), 267-279.
- (5)Ding Luyu, Lu Qikun, Wang Chaoyuan, Shi Zhengxiang, Cao Wei, Li Baoming. Effects of configuration and headspace mixing on the accuracy of closed chambers for dairy farm gas emission measurement. *Applied Engineering in Agriculture*, 2015, 31(1): 153-162.
- (6)Yan Zhihui, Chaoyuan Wang, Baoming Li, Guoqiang Zhang, Zhengxiang Shi, Hao Li, Hao Wang, Yaoming Yuan. Influence of Water Temperature and Spraying Interval on Cooling Effect of Sprinkler System in Dairy Barns. *Applied Engineering in Agriculture*, 2014, 30(4):611-617
- (7)Hao Xiaoxia, Cao Wei, Li Baoming, Zhang Qiang, Wang Chaoyuan, Ge Liangpeng. Slightly acidic electrolyzed water for reducing airborne microorganisms in a layer breeding house. *Journal of the Air & Waste Management Association*, 2014, 64(4): 494-500
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- (11)Zheng Weichao, Cao Wei, Li Baoming, Hao Xiaoxia, Ni Li, Wang Chaoyuan. Bactericidal Activity of Slightly Acidic Electrolyzed Water Produced by Different Methods Analyzed with Ultraviolet Spectrophotometric. *International Journal of Food Engineering*, 2012, 8(3):1039-1058
- (12)Pang Zhenzhen, Baoming Li, Hongwei Xin, Lei Xi, Wei Cao, Chaoyuan Wang, Wei Li. Field evaluation of a water-cooled cover for cooling sows in hot and humid climates. *Biosystems Engineering*, 2011, 110(4): 413-420
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- (17)Gu Zhaobing, Hongwei Xin, Chaoyuan Wang, Zhengxiang Shi, Zuohua Liu, Feiyun Yang, Baozhong Lin, Chao Wang, Baoming Li. Effects of neoprene mat on diarrhea, mortality and foreleg abrasion of pre-weaning piglets. *Preventive Veterinary Medicine*, 2010, 95: 16-22
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## ◆专著

- (1)Proceedings of 2017 International Symposium on Animal Environment and Welfare. 主编, 中国农业出版社, 2017年10月, 第一版
- (2)Proceedings of 2015 International Symposium on Animal Environment and Welfare. 主编, 中国农业出版社, 2015年10月, 第一版
- (3)家畜环境卫生与设施. 副主编, 中央广播电视大学出版社, 2015年9月, 第一版
- (4)Introduction to Bioenvironmental Engineering-Built Environment. 副主编, 中国农业大学出版社, 2010年12月, 第一版
- (5)生猪健康养殖体系培建的系统分析. 参编, 中国农业出版社, 2008

## ◆获奖情况

- (1)设施农业工程工艺与环境控制创新团队. 中华农业科技奖优秀创新团队奖, 排名第5, 2017年
- (2)规模化养鸡环境控制关键技术创新及其设备研发与应用. 高等学校科学研究优秀成果一等奖, 排名第8, 2016年2月
- (3)福利化健康养猪关键技术研究与应用. 中华农业科技奖二等奖, 排名第12, 2011年8月
- (4)规模化猪场健康养殖清洁生产工艺及配套设备. 高等学校科学研究优秀成果二等奖, 排名第11, 2009年1月
- (5)国家精品资源共享课程“设施农业工程工艺”, 排名第3, 2016年
- (6)国家精品课程“设施农业工程工艺”, 排名第3, 2009年
- (7)多学科融合、产学研协同, 农建专业“3+1”创新人才培养模式构建与实践. 中国农业大学教学成果特等奖, 参加人, 2012
- (8)中国农业工程学会第六届青年科技奖, 2012年12月

## ◆联系方式

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## ◆备注

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