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人才队伍

研究员

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张乃锋 反刍动物营养与饲料团队

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1974年生,毕业于中国农业科学院研究生院动物营养与饲料科学专业,获博士学位。中国农业科学院饲料研究所研究员,博士生导师。

科研情况

长期从事动物营养与饲料科学研究工作,研究方向包括肉羊营养代谢调控、饲料添加剂研发、饲料营养价值评价与应用等。研究目标是加深我们对肉羊营养代谢的认识,创新肉羊培育策略,提升饲料配制质量,促进产业可持续发展。先后主持了国家自然科学基金面上项目、国家重点研发计划课题、国家公益性行业(农业)科研专项课题、国家科技支撑计划课题、内蒙古重大专项、北京市科技项目等一系列国家科研项目。研究成果先后获北京市科技进步一、二等奖,全国农牧渔业一等奖等科技奖励17项,授权专利14项,主编《现代养羊技术与模式》《羊饲料配方600例》等著作10部,在《Environmental Microbiology》《Animal Nutrition》等期刊发表第一作者及通讯作者论文120篇。

主要成果

(一) 主持科研项目

1. 国家自然科学基金面上项目(国家自然科学基金委, 2019-2022, 31872385)
2. 国家重点研发计划课题(科技部, 2018-2021, 2018YFD0501902)
3. 国家重点研发计划子课题(科技部, 2017-2020, 2017YFD0502001)
4. 国家公益性行业(农业)科研专项资金课题(农业部, 2013-2017, 201303143)
5. 国家公益性行业(农业)科研专项资金子课题(农业部, 2012-2016, 20120304202)
6. 中央基本科研业务费,(中国农业科学院, 2019, Y2019CG08)
7. 引进国际先进农业科学技术计划(948计划)课题(农业部, 2011-2015, 2011-G7-5)
8. 北京市现代农业产业技术体系创新团队饲料营养岗位(北京市财政局, 2009-2021, BAIC02-12)
9. 内蒙古科技重大专项课题(内蒙古科技厅, 2014-2018)
10. 内蒙古重点研发计划项目子课题(内蒙古科技厅, 2021-2024, 2021SZD0014)

(二) 代表性论文

1. M. Abdelsattar M, Vargas-Bello-Pérez E, Zhang N*.2022. Age-related changes in blood biochemical composition of Hu sheep[J].





2. Abdelsattar MM, Rashwan AK, Younes HA, Abdel-Hamid M, Romeih E, Mehanni AE, Vargas-Bello-Pérez E, Chen W, Zhang N*. 2022. *Animal Production and Complex Indexes on the Growth Performance, Feed Intake, and Health Status of Goats*. *Animal Feed Science and Technology*, 291: 115379. doi: 10.1016/j.anifeeds.2022.115379.
3. Abdelsattar MM, Vargas-Bello-Pérez E, Zhuang Y, Fu Y, Zhang N*. 2022. Effects of Age and Dietary Factors on the Blood Beta-Hydroxybutyric Acid, Metabolites, Immunoglobulins, and Hormones of Goats[J]. *Frontiers in Veterinary Science*, 8: 793427. Doi:10.3389/fvets.2021.793427.
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5. Abdelsattar MM, Zhuang Y, Cui K, Bi Y, Haridy M, Zhang N*. 2022. Longitudinal investigations of anatomical and morphological development of the gastrointestinal tract in goats from colostrum to postweaning[J]. *Journal of Dairy Science*, 105(3): 2597-2611. doi: https://doi.org/10.3168/jds.2021-21056.
6. Huang W, Cui K, Han Y, Chai J, Wang S, Lv X, Diao Q, Zhang N*. 2021. Long term effects of artificial rearing before weaning on the growth performance, ruminal microbiota and fermentation of fattening lambs[J]. *Journal of Integrative Agriculture*, 21(4): 1120-1146. doi:10.1016/S2095-3119(21)63763-2.
7. Abdelsattar M, Zhuang Y, Cui K, Bi Y, Zhang N*. 2021. Predicting the Digestive Tract Development and Growth Performance of Goat Kids Using Sigmoidal Models[J]. *Animals*, 11(3): 757. doi: 10.3390/ani11030757.
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9. Xie B, Huang W, Zhang C, Diao Q, Cui K, Chai J, Wang S, Lv X, Zhang N*. 2020. Influences of starter NDF level on growth performance and rumen development in lambs fed isocaloric and isonitrogenous diets[J]. *Journal of Animal Science*, 98(4): 1-8. doi: 10.1093/jas/skaa093.
10. Zhuang Y, Chai J, Cui K, Bi Y, Diao Q, Huang W, Usdrowski H, Zhang N*. 2020. Longitudinal Investigation of the Gut Microbiota in Goat Kids from Birth to Postweaning[J]. *Microorganisms*, 8(8): 1111. doi: 10.3390/microorganisms8081111.
11. Lv X, Cui K, Qi M, Wang S, Diao Q, Zhang N*. 2020. Ruminal Microbiota and Fermentation in Response to Dietary Protein and Energy Levels in Weaned Lambs[J]. *Animals*, 10(1): 109. doi:10.3390/ani10010109.
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20. Chai JM, Diao QY, Wang HC, Zhang NF*. 2017. Effect of weaning time on growth performance and rumen development of Hu lambs[J]. *Indian Journal of Animal Research*, 51(3): 423-430. doi: 10.18805/ijar.v0iOF.6822.
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(三) 主编著作



3. 中国畜牧兽医学会高级会员、养羊分会理事、微生态分会理事
 (../index.htm) 本所概况 新闻动态

创新团队

科技平台

成果转化

4. 中国畜牧业协会羊业分会理事

(../index.htm) (../bsqk/index.htm) (../xwdt/index.htm) (../cxt/index.htm) (../kjpt/index.htm) (../cgzh/index

5. 国家饲料产业技术创新联盟草食动物分会常务理事、副秘书长等

6. 《Animal Nutrition》副主编、《Frontiers in Microbiology》《Current Probiotics》《Animals》《饲料研究》编委；《畜牧兽医学报》《动物营养学报》等评审专家

7. 贵州省“脱贫攻坚特聘专家”、贵州省黔东南州“脱贫攻坚特聘专家”（2017）

8. 河北丰宁（北京）科技特派员，肉羊工作站站长（2020-）

9. 江苏泰州“双创计划”创新人才（2016-2017）

10. 山东省德州市假日专家（2021-）



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