



[学院首页](#)

[网站首页](#)

[本系概况](#)

[新闻动态](#)

[党建工作](#)

[师资队伍](#)

[教学科研](#)

[团学园地](#)

[实习就业](#)

[教授](#)

[名师风采](#)

[客座教授](#)

[教授](#) >> >> >> 正文

网站首页当前位置:

专任教师师资队伍

赖黎明

发布时间: 2019年10月23日 来源: 作者: 点击: [298]

专任教师

教辅人员

赖黎明，男，汉，1965年5月出生于河南省汝南县，现为河套学院农学系教授，博士。主要研究领域是土壤健康评价与改良、农业生产对土壤与环境的影响。讲授课程《土壤地理学》、《土壤改良学》与《农业应用统计学》。他曾在美国南达科他州立大学（South Dakota State University, USA）的数学统计系与植物学系学习和工作10年。在此期间，获农学博士学位，专业是植物学（土壤学方向），曾任研究助理、博士后、高级研究助理。主要研究领域是土壤质量、土壤水质量与土壤温室气体的监测、评估、预测与改良。主要参与美国农业部和能源部项目2项、美国南达科他州立项目4项，发表SCI英文科研论文13篇。现主持河套学院科研项目2项。电子邮箱：Liming.Lai@qq.com

发表论文：

Li, N., P. Kumar, L. Lai, G.O. Abagandura, S. Kumar, T. Nleya, H.L.

Sieverding, J.J. Stone, and W. Gibbons. 2019. Response of Soil Greenhouse Gas Fluxes and Soil Properties to Nitrogen Fertilizer Rates Under Camelina and Carinata Nonfood Oilseed Crops. *Bioenergy Research*, 12(03), 524 - 535, <https://doi.org/10.1007/s12155-019-09987-4>, 1-12.

Kumar S, Lai L, Kumar P, Feliciano V, Marie Y, Battaglia ML, Hong CO, Owens VN, Fike J, Farris R, Galbraith J. Impacts of Nitrogen Rate and Landscape Position on Soils and Switchgrass Root Growth Parameters. *Agronomy Journal*. 2019, 111(3), 1046-59.

Kumar P, Lai L, Battaglia ML, Kumar S, Owens V, Fike J, Galbraith J, Hong CO, Farris R, Crawford R, Crawford J. Impacts of nitrogen fertilization rate and landscape position on select soil properties in switchgrass field at four sites in the USA. *Catena*. 2019, 180, 183-193.

Kumar, S., Sieverding, H., Lai, L., Thandiwe, N., Wienhold, B., Redfearn, D., Archer, D., Ussiri, D., Faust, D., Landblom, D., Grings, E., Stone, J.J., Jacquet, J., Pokharel, K., Liebig, M., Schmer, M., Sexton, P., Mitchell, R., Smalley, S., Osborne, S., Ali, S., Şentürklü, S., Sehgal, S., Owens, V.N., and Jin, V. Facilitating crop-livestock reintegration in the Northern Great Plains. *Agronomy Journal*, 111, 1 - 16.

Lai, L., Kumar, S., Osborne, S., & Owens, V. N. (2018). Switchgrass impact on selected soil parameters, including soil organic carbon, within six years of

- establishment, *Catena*, 163, 288–296.
- Lai, L., Hong, C. O., Kumar, S., Osborne, S. L., Lehman, R. M., & Owens, V. N. (2018). Soil nitrogen dynamics in switchgrass seeded to a marginal cropland in South Dakota. *GCB Bioenergy*, 10(1), 28–38.
- Lai, L., Kumar, S., Folle, S.M. and Owens, V.N., 2018. Predicting soils and environmental impacts associated with switchgrass for bioenergy production: a DAYCENT modeling approach. *GCB Bioenergy*, 10, 287–302. doi: 10.1111/gcbb.12490.
- Lai, L., Kumar, S., Mbonimpa, E. G., Hong, C. O., Owens, V. N., & Neupane, R. P. (2016). Evaluating the impacts of landscape positions and nitrogen fertilizer rates on dissolved organic carbon on switchgrass land seeded on marginally yielding cropland. *Journal of Environmental Management*, 171, 113–120.
- Lai, L., Kumar, S., Chintala, R., Owens, V. N., Clay, D., Schumacher, J., & Rafique, R. (2016). Modeling the impacts of temperature and precipitation changes on soil CO₂ fluxes from a Switchgrass stand recently converted from cropland. *Journal of Environmental Sciences*, 43, 15–25.
- Mbonimpa, E. G., Gautam, S., Lai, L., Kumar, S., Bonta, J., Wang, X., and Rafique, R. (2015). Combined PEST and Trial - Error approach to improve APEX calibration. *Computers and Electronics in Agriculture*, 114, 296–303.
- Lai, L., and Ge, S. X. (2014). Meta-Analysis of Gene Expression Signatures Reveals Hidden Links among Diverse Biological Processes in Arabidopsis. *PLoS ONE*, 9(11): e108567. doi:10.1371/journal.pone.0108567.
- Lai L., A. Liberzon, J. Hennessey, G. Jiang, J. Qi, J. Mesirov, and S.X. Ge. (2012). AraPath: a knowledgebase for pathway analysis in Arabidopsis, *Bioinformatics*, 28, 2291–2292.
- Wilson T.J., L. Lai, Y. Ban and S.X. Ge. (2012). Identification of metagenes and their interactions through large-scale analysis of Arabidopsis gene expression data, *BMC Genomics*, 13:237, 1–14.

科研项目:

参与美国能源部项目“Regional feedstock partnership - Herbaceous energy project”，项目编号: DE-FC36-05G085041, 参与时间周期: 2014.6-2017.5.

参与美国农业部项目“Back to the future: Enhancing food security and farm production with integrated crop-livestock production systems”，项目编号: 2016-68004-24768, 参与时间周期: 2016.2-2019.3.

主持河套学院人才引进启动项目“河套灌区土壤特性动态变化特征的研究”，起止时间: 2019.5-2022.4.

主持河套学院专项基金项目“河套地区灌溉水运移对土壤健康的影响”，项目编号: HYZX201952, 起止时间: 2019.7-2021.7.

上一条: 王贵

下一条: 马惠茹

[【关闭】](#)

版权所有: 河套学院农学系

地址: 内蒙古巴彦淖尔市临河区云中大街河套学院 邮编: 015000