

SAIN 特刊出版

6月18日,国际著名学术期刊《Agriculture, Ecosystems & Environment》以“[养分管理和气候变化减缓与适应在中国农业可持续集约化中的重要作用](#)”为主题出版 SAIN 特刊。

特刊所汇集的文章关注了中国可持续集约化农业领域内的一些重要议题,包括:养分资源管理与高效利用、减轻面源污染、温室气体减排与气候变化适应、野生植物遗传资源保护与作物改良。特刊论文在阐明农业可持续集约化的科学和技术的同时,还分析了这些技术干预的政策含义。

特刊收录的论文题目包括:

1. Sustainable intensification of China's agriculture: the key role of nutrient management and climate change mitigation and adaptation
2. Environmental costs of China's food security
3. A comprehensive review of constraints to improved management of fertilizers in China and mitigation of diffuse water pollution from agriculture
4. Do high nitrogen use efficiency rice cultivars reduce nitrogen losses from paddy fields?
5. Improving manure nutrient management towards sustainable agricultural intensification in China
6. Integrating soil testing phosphorus into environmentally based manure management in peri-urban regions: A case study in the Beijing area
7. Nitrogen management in a rice-wheat system in the Taihu Region: Recommendations based on field experiments and surveys
8. Nutrients and pollutants in agricultural soils in the peri-urban region of Beijing: Status and recommendations
9. Overcoming nitrogen fertilizer over-use through technical and advisory approaches: A case study from Shaanxi Province, northwest China
10. Farmer field school and farmer knowledge acquisition in rice production: Experimental evaluation in China



11. Management opportunities to mitigate greenhouse gas emissions from Chinese agriculture
12. Assessing vulnerability and adaptive capacity to potential drought for winter-wheat under the RCP 8.5 scenario in the Huang-Huai-Hai Plain
13. Yield and nitrogen accumulation and partitioning in winter wheat under elevated CO₂: A 3-year free-air CO₂ enrichment experiment
14. China's crop wild relatives: Diversity for agriculture and food security
15. The wild relatives of grape in China: Diversity, conservation gaps and impact of climate change

特刊的所有文章可通过以下网址在线阅览：

<http://www.sciencedirect.com/science/journal/01678809/209>

“农业用水管理” 知识共享研讨会召开

6月1日，西北农林科技大学研究人员与英国东英吉利大学（University of East Anglia）的同行就农业水资源管理进行了学术交流。双方专家针对水足迹在农业用水中的应用、农业气候学研究与服务、灌溉效率、水质及测量、农业技术向农民的有效传播、以及生物碳在农业中的应用等专题进行了深入交流。双方研究人员还探讨了今后合作的方向的途径。

本次研讨会由协作网秘书处组织安排。



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