**研究生论坛日程安排**

**Special presentation for postgraduate students**

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| **Dec. 14th (Beijing Time) 12月14日** | **Activity**  **主题** | **Participant 汇报人** | **Host 主持人** |
| 19:00-19:15 | Photosynthetic resource-use efficiency trade-offs triggered by vapour pressure deficit and nitrogen supply in a C4 species. C4作物蒸汽压亏缺和氮素供应引起的光合资源利用效率平衡 | Muhammad Arslan Ashraf | Xu-ming Wang  (汪旭明) |
| 19:15-19:30 | Response of photosynthetic 13C discrimination to vapour pressure deficit reflects changes in bundle-sheath leakiness in two C4 grasses 大气水汽压差对两种 C4植物光合 13C 分馏和碳泄漏率的影响 | Yi-Ning Xu (徐艺宁) |
| 19:30-19:45 | Short- and long-term responses of leaf day respiration to elevated atmospheric CO2. 长期和短期CO2 倍增对两种C3 植物叶片日间呼吸的影响 | Yan-Ran Sun (孙嫣然) |
| 19:45-20:00 | High-yield, quality and efficiency production pattern and it benefit evaluation of main wheat regions in China  我国主要麦区高产优质高效生产模式及其效益评价 | Ning Huang (黄宁) |
| 20:00-20:15 | Integrating crop and soil nutrient management for higher wheat grain yield and protein concentration in dryland areas 旱地小麦籽粒产量和蛋白质含量协同提升的限制因子及调控 | Chao Li (李超) |
| 20:15-20:30 | Phosphorus fertilizer substitution effect and regulation mechanism by straw returning in a rice-oilseed rape rotation. 秸秆还田在稻-油轮作中的磷肥替代效应与调控机制 | Kun-Kun Wang (王昆昆) | Xue-chen Zhang  (张雪辰) |
| 20:30-20:45 | Identification of maize genotypes with low phosphorus tolerance and response to low phosphorus stress by inoculation of arbuscular mycorrhizal fungi. 玉米耐低磷品种的鉴定以及接种丛枝菌根真菌对低磷胁迫的响应 | Li-Yan Liang (梁利艳) |
| 20:45-21:00 | Genome-wide analysis of the laccase gene family in wheat and relationship with arbuscular mycorrhizal colonization 小麦漆酶基因家族分析及其与菌根定殖的关系 | Xiong Zhong (钟雄) |
| 21:00-21:15 | The Zn uptake, distribution, and bioavailability of high-yielding wheat with high grain Zn concentration 高产小麦品种高锌的锌吸收、分布及生物有效性机制 | Zi-Kang Guo (郭子糠) |

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| **Dec. 15th (Beijing Time) 12月15日** | **Activity**  **主题** | **Participant 汇报人** | **Host 主持人** |
| 19:00-19:15 | Nitrogen and Phosphorus flow and green development assessment of the Yellow River Basin. 黄河流域氮磷养分流动及绿色发展评估 | Jia-Xin Liu (刘嘉欣) | Zhi-feng Lu  (陆志峰) |
| 19:15-19:30 | Response of soil crop yield, nutrient uptake and nutrient quality to fertilization under a grain-bean rotation system. 粮豆轮作制度下复垦土壤作物产量，养分吸收和营养品质对施肥的响应 | Hui-Fang Zhang (张慧芳) |
| 19:30-19:45 | Land-use change from paddy to upland soil aggravated microbial relative carbon and phosphorus limitations, altered ecoenzymatic stoichiometry and degraded soil quality. 稻田转变为旱地增强土壤微生物碳磷限制, 改变生态酶计量学并降低土壤质量 | Long-Fei Kang (亢龙飞) |
| 19:45-20:00 | Effects of iron hydroxides on phosphorus availability under long-term fertilization. 长期施肥下铁氢氧化物对磷有效性的影响 | Jia-Li Qin (秦嘉俪) |
| 20:00-20:15 | Effects of straw returning on organic carbon components of soil aggregates in wheat field on the loess plateau. 秸秆还田对黄土旱塬麦田土壤团聚体有机碳组分的影响 | Lu Huang (黄璐) | Han-bing Cao  (曹寒冰) |
| 20:15-20:30 | Quantitative study on the response of wheat yield and organic carbon to nitrogen reduction and film mulching on the Loess Plateau based on the "double carbon" background. 基于“双碳”背景定量研究黄土旱塬小麦产量和有机碳对减氮覆膜的响应 | Chu-Han Wang (王楚涵) |
| 20:30-20:45 | A global meta-analysis on the contribution of Zn and Fe fertilization to Zn and Fe mass concentration in rice grain.  锌铁肥施用对水稻籽粒锌铁营养提升的全球meta分析 | Lu Liu (刘路) |
| 20:45-21:00 | Impact of plastic sheet mulching on grain Zn concentration, P/Zn ratio and Zn uptake in dryland grown winter wheat 覆膜对旱地冬小麦籽粒锌含量、锌生物有效性及锌吸收的影响 | Xiao-Li Hui (惠晓丽) |
| 21:00-21:15 | Effects of chloride varieties and concentrations on watermelon growth 氯盐品种和浓度对西瓜生长的影响 | Xue Liu (柳雪) |