

30th Annual Konza LTER Annual Meeting

May 31 – June 1, 2022

Location: Cortelyou Lecture Hall, Konza Prairie Biological Station



Day 1 – May 31, 2022 -- <https://ksu.zoom.us/j/98352530184>

8:30 – 9:00	Arrival	Coffee, fruit, and bagels will be provided
9:00 - 9:15		Welcome and update on LTER VIII (Jesse)
9:15 - 9:30		Testing fire, drought, and rising atmospheric CO ₂ as drivers of shrub encroachment using a mechanistic model (<i>Kevin Wilcox, Wyoming</i>)
9:30 – 9:45		Initial insights from the Consumer Size Manipulation Experiment (conSME) (<i>Kimberly Komatsu, Smithsonian</i>)
9:45 – 10:00		Burning decreases tallgrass prairie sensitivity, and increases resilience, to chronic supplemental nitrogen (<i>Matthew Nieland, KSU</i>)
10:00 – 10:15		Bison wallows bolster plant diversity in tallgrass prairie (<i>Bess Bookout, KSU</i>)
10:15 – 10:30		Five years of ghost fire: the impact of experimentally manipulated litter and soil nitrogen on tallgrass prairie (<i>Meghan Avolio, Johns Hopkins</i>)
10:30 – 10:45	Break	
10:45 – 11:00		Environmental heterogeneity affects the timing and variability of big bluestem phenology (<i>Anna Krause, KU</i>)
11:00 – 11:15		Physiological responses of woody-encroached grassland communities to multi-year drought and fire (<i>Rachel Keen, KSU</i>)
11:15 – 11:30		Examining how rarity impacts grassland species' ability to shift ranges in response to climate change (<i>Sarah Herzog, KSU</i>)
11:30 – 11:45		Insights from experimental drought reveal generalizable effects of drought on restored community structure and function (<i>Katie Eckhoff, KU</i>)
11:45 – 12:00		How does reintroducing bison affect grassland resilience to changing climate and fire? (<i>Zak Ratajczak, KSU</i>)

12:00 – 1:00	Lunch
1:00 – 1:30	Poster Session
1:30 – 1:45	Konza musings: thoughts on new experiments and synthesis activities (<i>Melinda Smith, CSU</i>)
1:45 – 2:00	Current and future research in the Irrigation Transect Experiment (<i>John Blair, KSU</i>)
2:00 – 2:15	And now for something completely different – Agrivoltaics in Grasslands (<i>Alan Knapp, CSU</i>)
2:15 – 3:15	KNZ LTER Climate Survey (<i>Meghan Avolio</i>)
3:15 – 3:30	Break
3:30 – 4:30	Charlee Huffman, Kaw language expert
5:30	Jim Larkins Retirement Party

Posters

1. Joshua Ajowele (Wyoming) – Assessing the impact of landscape heterogeneity on stability and biodiversity
2. Christa Anhold (KSU) – Impacts of Wood Encroachment on Groundwater Quality and Residence Time
3. Maddie Ball (KSU), Thomas Leihsing (KSU), Natalie Miller (KSU) – Northern Cardinals increase fat in response to adverse weather conditions
4. Hannah Dea (KSU) – Prairie restoration impact on *Schizachyrium scoparium* leaf and root microbial communities
5. Victoria Gaa (KSU), Jacob Riggs (KSU), Hannah Welco (KSU) – Why does apparent survival differ among wintering songbirds?
6. Sarah Gora (UNCG) – Belowground traits lack response to chronic nitrogen additions
7. Shahla Mohammadi (KSU) – Metabolomic profiling in *Panicum virgatum* and *Andropogon gerardii* under environmental conditions
8. Camden Hatley (KSU) – Intermittent streamflow generation in a merokarst headwater catchment
9. Alex Siggers (CSU) – The long-term recovery of tallgrass prairie communities following the removal of two dominant species, *Andropogon gerardii* & *Sorghastrum nutans*
10. Rose Terry (UNCG) – Grazing reversals and global change: repurposing old infrastructure for a new experiment
11. Emily Wedel (KSU) – What traits drive encroachment of woody shrubs in tallgrass prairie?

30th Annual Konza LTER Annual Meeting

May 31 – June 1, 2022

Location: Cortelyou Lecture Hall, Konza Prairie Biological Station



Day 2 – June 1, 2022 - <https://ksu.zoom.us/j/96390698245>

8:30 –
9:00 Arrival Coffee, fruit, and pastries will be provided

9:00 –
10:00 Safety Orientation (*John Blair and others*)

10:00 –
12:00 LTER Business Meeting (*Jesse Nippert*)

12:00 –
1:00 Lunch

Improving Our Work Climate: Bystander Intervention Training and Responding to Hostile Behaviors (*ADVANCEGeo*)

1:00 –
4:00 <https://us02web.zoom.us/j/85711904652?pwd=dkRVbzB1RjJSTcvdXoxTERDTmMxZz09>

Meeting ID: 857 1190 4652
Passcode: 812911
