

# Konza LTER Annual Meeting

September 4, 2021 9:00 – 4:30

Location: Big 12 Room, KSU Student Union

Zoom: <https://ksu.zoom.us/j/98812100874>



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<b>8:30 – 9:00</b>	Arrival	Coffee, fruit, and pastries will be provided
<b>9:00 - 9:15</b>		Welcome and update on LTER VIII ( <i>Jesse</i> )
<b>9:15 - 9:30</b>		“Influence of climate, fire, and grazing prairie forb population dynamics” ( <i>Alex Sutton, KSU</i> )
<b>9:30 – 9:45</b>		“Megagrazers act as a surprising inhibitor of woodland expansion in a Great Plains grassland” ( <i>Sidney Noble, KSU</i> )
<b>9:45 – 10:00</b>		“Konza Prairie Environmental Monitoring Network” ( <i>Andres Patrignani, KSU</i> )
<b>10:00 – 10:15</b>		“Impacts of woody encroachment on watershed-scale water fluxes in tallgrass prairie” ( <i>Rachel Keen, KSU</i> )
<b>10:15 – 10:30</b>		“Persistent decadal differences in plant communities restored under contrasting climate conditions” ( <i>Katie Eckhoff, KU</i> )
<b>10:30 – 10:45</b>	Break	
<b>10:45 – 11:00</b>		“The legacy effect of previous droughts on changes in grassland plant community response to new droughts” ( <i>Smriti Pehim Limbu, John Hopkins</i> )
<b>11:00 – 11:15</b>		“To the Root: A Multidisciplinary Approach to Understanding Complex Water, Soil, and Plant Interactions at Konza Prairie” ( <i>Victoria Moreno, Oregon State</i> )
<b>11:15 – 11:30</b>		““Effects of chronic eutrophication on community and ecosystem response to and recovery from drought” ( <i>Meghan Avolio, John Hopkins</i> )
<b>11:30 – 11:45</b>		“A bird’s eye view: does Konza provide suitable breeding habitat for declining grassland songbirds?” ( <i>Katy Silber, KSU</i> )
<b>11:45 – 12:00</b>		“Heterogeneity begets heterogeneity: Increasing soil heterogeneity increases plant diversity and richness” ( <i>Ashley Wojciechowski, KU</i> )

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12:00 – 12:15	<i>Cornus drummondii</i> (Roughleaf Dogwood) Vertical Canopy Structure, Leaf Photosynthetic Traits, and their Response to Browsing and Grazing” (Greg Tooley, KSU)
12:15 – 1:15	Lunch
1:15 – 1:45	Poster Session
1:45 – 2:15	Summer REU Update
2:15 – 2:45	Diversity Committee Update ( <i>Lydia</i> )
2:45 – 3:00	Break
3:00 – 4:30	LTER Business Meeting ( <i>Jesse</i> )

**Posters (only 1<sup>st</sup> author/presenter listed here)**

1. Bess Bookout (KSU) – “Bison wallows: what’s going on in there?”
2. Ryan Donnelly (KSU) – “Morphological and physiological trait variation of Poaceae in tallgrass prairie”
3. Abigail Langston (KSU) – “Establishing timescales of stream aggradation and incision in response to changes in climate and land use”
4. Jesse Nippert (KSU) – “Using root and soil traits to forecast woody encroachment dynamics in mesic grassland”
5. Brynn Ritchey (KSU) – “Dung Decay and Defecation Rate of American Bison (*Bison bison*): tools to track population numbers and habitat preferences of Plains Bison in a tallgrass prairie”
6. Nathaniel Weickert (KU) – “Decadal Changes in Plant Community Development in Restored Tallgrass Prairie Compared to Remnant Prairie Targets”