

# Research and the State

## GRADUATE STUDENT POSTER SESSION



## Program Schedule

POSTER

## Poster Titles and Presenters

## 11. WHEAT GERMPLASM DEVELOPMENT AND GENETIC MAPPING FOR HESSIAN FLY RESISTANCE

*Narinder Singh*



31. XCTKGF'TGCUQPPI 'UEJ GO C'P 'UVWF GPVUØY TIVGP 'UQNWKQPU  
*Nandana Weliweriya*

32. BRINGING COMPUTATIONAL THINKING TO K -12  
*Joshua Levi Weese*







EFFECT OF MILK PROTEIN CONCENTRATE (MPC 80) QUALITY ON







GENOMIC STUDIES OF WEST AFRICAN SORGHUM GERMPLASM

Fanna Maina and Geoffrey P. Morris.

*Department of Agronomy, College of Agriculture, University of Nigeria, Nsukka*



ROLES OF SECRETED SALIVARY GLAND PROTEINS OF HESSIAN FLY  
LARVAE *MAYETIOLA DESTRUCTOR* (SAY) IN INSECT PHYSIOLOGY AND PLANT  
INTERACTIONS









**GROUP 3**

12

**IMPACTS OF SUBSURFACE FLOWSON CONCENTRATED FLOW EROSION IN  
CENTRAL KANSAS**

Vladimir Karimov and Aleksey Sheshukov

*Department of Biological and Agricultural Engineering, College of Engineering*

**BACKGROUND AND PURPOSE:** Soil erosion is a serious threat to agriculture worldwide. Unsustainable agriculture practices may produce significant amounts of sediment resulting in land degra



EFFECTS OF INTENSIVE LATE -SEASON SHEEPGRAZING FOLLOWING EARLY -  
SEASON STEER GRAZING ON POPULATION DYNAMICS OF SERICEA  
LESPEDEZA IN THE KANSAS FLINT HILLS

Jack Lemmon<sup>1</sup>, Walt Fick<sup>2</sup>, Jon Alexander<sup>1</sup>, Anna Lemmon<sup>1</sup>, Dayna Alexander<sup>1</sup>, Garrett  
Preedy<sup>1</sup>, Consuelo Gurule<sup>1</sup>, and K. C. Olson<sup>1</sup>

<sup>1</sup>*Department of Animal Sciences & Industry, College of Agriculture;* <sup>2</sup>*Department of*  
*Agronomy* *Agronomy* *Department of Animal Sciences & Industry* 62 1/FEJJET











EXPERIMENTAL NATURAL SELECTION OF BIG BL

**\*\*NO SHOW\*\***

IMPACTS OF TILLAGE AND FERTILIZER ON SOIL ORGANIC C AND N  
Edwin K. Akley<sup>1</sup>,



















**GROUP 5**

29

STUDENT UNDERSTANDING OF ELECTRIC AND MAGNETIC FIELDS IN  
MATERIALS

Dina Zohrabi Alaei<sup>1</sup>, Savannah L. Mitchem<sup>2</sup>, and Eleanor C. Sayre<sup>1</sup>

<sup>1</sup>*Department of Physics, College of Arts and Sciences;* <sup>2</sup>*Department of Physics, Florida State University*

**BACKGROUND AND PURPOSE:** Learning to think scientifically is extremely important for Kansas students. All science, technology, engineering, and math (STEM) majors must take physics; thus, research into how students learn physics is important for all STEM students. A primary



VARIED REASONING SCHEMA IN ~~UWFGPVU~~ WRITTEN SOLUTIONS













IMPROVING CLIMATE VISUALIZATIONS TO MOVE CLIMATE CONSIDERATION ON

EFFECT OF IMPERFECT INFORMATION ON KANSAS ARC -CO ENROLLMENT

Candice Wilson and Mykel Taylor

*Department of Agricultural Economics, College of Agriculture*

**GROUP 7**

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**DETERMINING SURFACE ROUGHNESS IN EROSION TESTING USING  
PHOTOGRAMMETRIC METHOD**

Tri V. Tran , Stacey E. Tucker-Kulesza, and Michelle Bernhardt  
*Department of Civil Engineering, College of Engineering*

**BACKGROUND AND PURPOSE:** Surface roughness is an important characteristic in numerical











**SURVEYING THE PERFORMANCE OF ALUMINIZED AND GALVANIZED  
DRAINAGE PIPE AGAINST CORROSIVE EFFECTS**

**Andrew Crowder and Stacey Kulesza**

*Department of Civil Engineering, College of Engineering*

**BACKGROUND AND PURPOSE:** Metallic drainage structures have been utilized by the Kansas Department of Transportation (KDOT) to facilitate proper drainage of highway 2 Este1(e)4( )JTJETQq

***GROUP 8***





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