





# **PROGRAM SCHEDULE**

## **Morning Oral Presentations**

9:00– 12:15

Graduate Interdisciplinary Research

Big XII Room

9:00– 12:15

## Oral Session Schedules

Graduate Agricultural Sciences

Flinthills Room

9:00AM – 12:15PM

9:00 **PROSTAGLANDIN E<sub>2</sub> SYNTHASE IN THE BLACKLEGGED TICK, *IXODES SCAPULARIS***

*Joshua Urban*

9:15 **EFFICAC2 649.54 T4 Tm[:T]-2APYST(icuE]TMJEBT1 0 0 1 341.11 690.219.29[ )]TJETBT1 0 0 1 72.024**





**Graduate Biological Sciences**

CottonwoodRooH EMC /P <</MCID 1>> B7.82 0 0 1 98.424ottonwood





## **Poster Titles and Presenters**

Graduate Student Posters

**14. CREATING INCLUSIVE ADVISING/MENTORING FOR *BICULTURAL AFRICAN-AMERICAN PERSONALITIES IN A MAJORITY MAINSTREAM H***

Undergraduate Student Posters

**KS Ballroom**

On display 9:00AM

9<sup>th</sup> Annual Capitol Graduate Research Summit posters

**KS Ballroom**

On display 9:00AM- 5:00PM

Judging: 1:00PM- 3:00PM

**30. N<sub>2</sub>O-N EMISSIONS AND THE**





**INTENSE RAINFALL EVENTS DISTRIBUTION PATTERN IN THE STATE OF KANSAS**









**PROSTAGLANDIN E<sub>2</sub> SYNTHASE IN THE BLACKLEGGED TICK, *IXODES SCAPULARIS***

Joshua Urban and Yoonseong Park

*Department of Entomology, College of Agriculture*

Ticks are obligatory ectoparasites that feed exclusively on the blood of vertebrates and often transmit a number of pathogens, including viruses, bacteria, and protozoa. Tick-borne diseases result in substantial economic loss in the animal industry and present risks to human health. The blacklegged tick, *Ixodes scapularis*, is known to transmit the most important tick-borne pathogen, *Borrelia burgdorferi*.







**COMMINGLING LEVELS OF STORED-GRAIN INSECT POPULATIONS IN WHEAT AND CORN  
FROM BUCKET ELEVATOR BOOTS**

Dennis Tilley

*Department of Grain Science and Industry, College of Agriculture*

Grain elevator boot and pit areas contribute to commingling of insects with grain that moves through the



**PHENOLIC AND ANTIOXIDANT CONTRIBUTION OF WHEAT FRACTIONS AND MILL  
STREAMS PRODUCED FROM THE SAME KERNELS**

Lauren Renee -69(rL)-weAMS





## **DEVELOPMENT OF A SUGAR-FREE COOKIE FOR HOME-USE**



**WHEAT FIBER FOR MORE SUSTAINABLE CEMENT MORTAR**

Mohammed Albahtiti<sup>1</sup>, Hayder A. Rasheed<sup>1</sup>, Dunja Peri<sup>1</sup>, Lawrence Davis<sup>2</sup>

<sup>1</sup>*Department of Civil Engineering, College of Engineering;* <sup>2</sup>*Department of Biochemistry, College of Arts and*  
*S*



**THE ROLE OF BASALTIC MAGMATISM IN THE EVOLUTION OF THE CAMBRIAN SOUTHERN  
OKLAHOMA AULACOGEN: GEOCHEMICAL AND ISOTOPIC CONSTRAINTS ON THE MAFIC  
ROCKS IN THE ARAFCT30**







function. Whether BRJ improves vascularctlarvisargaghetete [(b0()9(y)2)-9(l)10( )] TJ ET BT 1459.7 0 1 36



**CONTRIBUTION OF ALTERNATE SIGMA FACTOR (RpoN) TO ENTEROCOCCAL INFECTIVE  
ENDOCARDITIS**





**CHARACTERIZATION OF IMMUNE ACTIVATION IN HEALTHY FOALS WHEN VACCINATION  
IS INITIATED AT 3-MONTHS OF AGE**

Allison Jordan Bryah<sup>1,2</sup>, Elizabeth Davis<sup>1</sup>





**TOWARD NON-**



















**COOLING FOODS IN SCHOOL FOODSERVICE OPERATIONS**

Amber Grisamore

**AID OR CONFLICT? A GAME THEORETIC APPROACH**  
Katherine L. Kidder



**THE MATHEMATICS OF HOMOPHOBIC BULLYING**

Joelyn K. Foy

*Curriculum & Instruction, College of Education*









GHSP AFFEd

miP

~~ak~~















**EFFECT OF ALFERON N INJECTION (INTERFERON ALPHA) ON INFLUENZA A VIRUS  
REPLICATION**



**GAP JUNCTION ENHANCER INCREASES EFFICACY OF CISPLATIN TO ATTENUATE  
MAMMARY TUMOR GROWTH**

Stephanie Shishida and Annelise Nguyen

*Department of Diagnostic Medicine &*

**FEASIBILITY OF USING LIGNIN- A PLANT DERIVED MATERIAL FOR INCREASED  
SUSTAINABILITY OF RURAL TRANSPORTATION LIFELINES**

**SHELF LIFE OF FIVE MEAT PRODUCTS DISPLAYED UNDER LIGHT EMITTING DIODE OR FLUORESCENT LIGHTING**

Kyle S. Steel<sup>1</sup>, Melissa J. Weber<sup>2</sup>, Elizabeth A. E. Boyle<sup>1</sup>, Melvin C. Hunt<sup>1</sup>, April S. Lobato<sup>1</sup>, Sulab<sup>1</sup>, Curtis Cundit<sup>2</sup>, Yoelit H. Hiebert<sup>3</sup>, Karen A. Abrolat<sup>3</sup>, Joel M. Attey<sup>3</sup>, Sherri D. Clark<sup>3</sup>, Dallas Johnson<sup>1</sup>, and Tawnya L. Roenbaugh<sup>1</sup>

<sup>1</sup>*Department of Animal Sciences and Industry, College of Agriculture;* <sup>2</sup>*Cargill, Wichita, KS;* <sup>3</sup>*Husmann Corporation, Bridgeton, MO*

Light Emitting Diode (LED) lighting used in retail display cases offers economical savings in energy use and generates less heat compared with fluorescent (FLS) lighting. A total of 144 beef, pork, and poultry products displayed in two retail display cases set up with the same temperature



## **Author Index**