

PROGRAM SCHEDULE

14. MOLECULAR EPIDEMIOLOGY OF VANCOMYCIN-

28. THE MODERATING EFFECT OF EMOTIONAL INTELLIGENCE ON THE RELATIONSHIP BETWEEN EMOTIONAL LABOR AND SERVICE BEHAVIOR AMONG HOTEL EMPLOYEES

JungHoon Lee

29. THE EFFECT OF ONLINE RESTAURANT REVIEWS ON DINERS? VISIT INTENTION: A COMPARATIVE ANALYSIS OF EXPERT VS. PEER REVIEWS *Ju Won Choi*

30.

Poster Titles and Presenters from the 8

Oral Presentation Abstracts

**PEROXISOME PROLIFERATOR RECEPTOR GAMMA AGONISTS ALTER ELECTROLYTE
TRANSPORT ACROSS PORCINE VAS DEFERENS EPITHELIA**

Jacob Hull, Qian Wang

REGUALTION OF GAP JU

EXTINCTION TIMES OF SOLUTIONS TO A DEGENERATE PARABOLIC EQUATION

Perla Salazar, Marianne Korten, and Charles Moore

Department of Mathematics, University of Texas at Austin, 284.12 30384 Tm(Depa)-2(Mat)4(lhemat)4(icsTBTI

**A CLOGGED ARTERY: AN ANALYSIS OF HUMAN TRAFFICKING IN THE HEART OF
AMERICA**

Nadia Shapkina and Ariel Anib

**NUTRITIONAL ENHANCEMENT OF SOYBEAN MEAL AND HULL FOR ANIMAL FEED VIA
MICROBIAL BIOCONVERSION**

Liyan Chen, Praveen V. Vadlani, and Ronald L. Madl
Department of Grain Science and Industry, College of Agriculture

Soybeans are the second most planted crop in the United States after corn. After the recovery of soybean oil,

MULTIPLE SPECIES THRESHOLD RECOMMENDATIONS IN SORGHUM—IS A ONE-MODEL-FITS-ALL STRATEGY THE BEST APPROACH?

Alysha Soper, Jeff R. Whitworth, and Brian P. McCornack

Department of Entomology, College of Agriculture

**GENDER AND DOMESTIC TERRORISM: WHAT EMPOWERMENT CAN TELL US ABOUT A
STATES PROPENSITY TOWARDS POLITICAL VIOLENCE**

Caroline Simpson

Department of Political Science, College of Arts and Sciences

STRUCTURAL IMPEDIMENTS TO MOBILITY: A CASE STUDY OF TRIBALS IN INDIA

Anirban Mukherjee

**FACILITATING STUDENTS' ASSIMILATION OF ELECTRONICS AND PHYSICAL
MEASUREMENTS THROUGH ILL-STRUCTURED CAPSTONE PROJECTS**

Nasser Juma

**SELENIUM SPECIATION AND MOBILIZATION IN A CONTROLLED WETLAND SYSTEM:
PARIETTE WETLANDS, UT**

Mathew Crawford

**PURIFICATION AND ANALYTICAL ASSESSMENT OF THE MYCOBACTERIAL PORIN MSPA
AND INVESTIGATION OF ITS CHANNEL ACTIVITY AND POTENTIAL USE FOR A PROTEIN
NANO SOLAR CELL.**

**DETECTION AND DIAGNOSTIC OF SHAPE AND VARIATION CHANGES IN NONLINEAR
PROFILES**

Shing I Chang and Shih-Hsiung Chou

CAN MACROPHAGES BECOME ADIPOCYTES?

Akshay Moharir and Stephen K. Chapes

Division of Biology

EFFECT OF KNEADING SPEED ON THERMOMECHANICAL PROPERTIES OF FLOUR DOUGHS

**FEEDING BEHAVIOR COMPARISON OF SOYBEAN APHID BIOTYPES ON DIFFERENT
SOYBEAN ENTRIES**

Predeesh Chandran¹, John C. Reese¹, Shah Alam Khan¹, Dechun Wang², William Schapaugh³, and Leslie R. Campbell¹

¹*Department of Entomology, College of Agriculture;* ²*Department of Crop & Soil sciences, Michigan State University;* ³*Department of Agronomy, College of Agriculture*

The soybean aphid, *Aphis glycines* Matsumura (Hemiptera: Aphididae), has become a major pest of soybean

COMPARATIVE EFFICACY OF TWO IVERMECTIN POUR-ON ANTHELMINTICS IN BEEF

METABOLISM OF AZO DYES, METHYL RED AND METHYL ORANGE BY PLANTS

Rohit Kamat and Lawrence Davis

Department of Biochemistry, College of Arts and Sciences

Azo dyes like methyl red and methyl orange are known to be major human carcinogens besides being water pollutants. These dyes are still a cause of concern in the developing nations due to their unrestricted usage. Laccases and peroxidases isolated from bacteria and fungi are presently being explored for decolorizing dyes. Whole plants have rarely been employed in degrading dyes. The goal of our work is to identify and characterize the groups of enzymes from plants involved in the b-130(TNnoW)4owndf dyes. tivlated

**INFRARED SPECTROSCOPY AS A COMPLIMENT TO X-RAY DIFFRACTION FOR ZEOLITE
EXAMINATION**

Sean Tomlinson¹, Ty McGown², John R. Schlup¹, and Jennifer L. Anthony¹

¹*Department of Chemical Engineering, College of Engineering;* ²*Black & Veatch*

NONDESTRUCTIVE METHOD TO PREDICT THE BUCKLING LOAD IN SPHERICAL SHELLS

Shahin Nayyeri Amiri and Hayder Rasheed

Department of Civil Engineering, College of Engineering

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COMPARING EXPERT AND NOVICE EYE MOVEMENTS WHILE SOLVING PHYSICS PROBLEMS

Adrian Carmichael

MULTIMODAL SENSORY ZONING FOR THOSE WITH AUTISM SPECTRUM DISORDER (ASD)

Timothy Hansen

Department of

**ARCHITECTURAL DESIGN TO PROMOTE PHYSICAL ACTIVITY AMONG CHILDREN WITH
AUTISM SPECTRUM DISORDER**

Joshua Hartman

Department of Architecture, College of Architecture Planning and Design

Physical activity is a vital part of a healthy lifestyle for all people (U.S. Department of Health and Human Services, 1996) but is often overlooked in people with disabilities such as autism spectrum disorder (ASD) (Ellis, Cress, & Spellman, 1992). Autistic children may be at risk for being physically inactive due to social and

THE MODERATING EFFECT OF

**CROP MODELING APPROACH FOR ASSESSING IMPACTS OF CLIMATE CHANGE AND
VARIABILITY ON CROP PRODUCTIVITY IN THE OGALLALA AQUIFER REGION**

George Paul

DIELECTROPHORETIC CAPTURE OF *E. COLI* CELLS AT NANO-ELECTRODE ARRAYS

epa.Col.

**COUPLING PYRAZOLE TO PYRIDINE: STEPS TO ENGINEERING A BETTER AGRICULTURAL
CHEMICAL AND PREDICTING BINDING PREFERENCES THROUGH CO-CRYSTAL
SYNTHESIS**

Evan P. Hurley, Christer B. Aakeroy, John Desper
Department of Chemistry, College of Arts and Sciences

Kansas is a leader in the agricultural industry, harvesting large amount of value-added agricultural products.

**EFFECTS OF CONTROLLED INTERVENTION STRATEGIES ON THE QUANTITIES OF A
CEFTIOFUR RESISTANCE GENE (*bla*_{CMY-2}) IN THE FECES OF FEEDLOT CATTLE**

Neena Kanwar¹, Harvey Morgan Scott¹, Bo Norby², Savvanah Moore³, Javier Vinasco¹, Guy Loneragan⁴

¹*Department of Diagnostic Medicine and*

NITROUS OXIDE EMISSIONS FROM A COMMERCIAL CATTLE FEEDLOT IN KANSAS

Orlando Aguilar, Edna Razote

Department of Biological and Agricultural Engineering, College of Engineering

Nitrous oxide (N_2O) is an important greenhouse gas with a global warming potential of 296 times greater than

DIETARY INTAKES OF OMEGA-3 FATTY ACIDS AMONG SOLDIERS DEPLOYING TO COMBAT

Jennifer Hanson¹, Mark Haub¹, Joseph Hibbeln², Jennifer Junnila³, Daniel Johnston⁴, Michael Dretsch⁵

¹*Department of Human Nutrition, College of Human Ecology;* ²*National Institute on Alcohol Abuse and Alcoholism, Rockville, MD;* ³*US Army, Fort Carson, CO;* ⁴*US Army, Fort Riley, KS;* ⁵*US Army, Fort Rucker, AL*

Background: Psychological health ps23b(llu)-2s(h)5d(h 60(h Ru)-2)8(an(h)5)erCah il

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