K-State Research Forum

Program Booklet

Tuesday, March 31, 2015

K-State Student Union

PROGRAM SCHEDULE

Social Sciences/Humanities/Education 1
Flint Hills Room

Engineering/Math/Physical Sciences 1
Cottonwood Room

Social Sciences/Humanities/Education 2
Flint Hills Room
1:00PM – 3:15PM

1:00 **CONGA DRUMMING: FROM AFRICA TO CUBA TO THE WORLD**
Brian Anderson

1:15 **AUTHENTICITY IN MUSIC SAMPLING: THE POLITICS OF REPRODUCTION**
Zian Butler

1:30 **COMPARISON OF NATURAL DYES DERIVED FROM KANSAS BLACK WALNUT, OSAGE**

Agricultural Sciences 2
Big XII Room

Poster Titles and Presenters

Social Sciences/Humanities/Education
Main Ballroom
On display: 9:30AM –

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USING STORYBOOKS TO IMPROVE YOUNG CHILDRENôS ATTITUDES TOWARD OBESE PEERS: ROLE OF STORYBOOK CHARACTERôS POPULARITY AND CHILDRENôS POPULARITY

COMPOSITIONAL CHANGES IN MEMBRANE LIPID PROFILE THAT ARE ASSOCIATED WITH HIGH TEMPERATURE TOLERANCE IN WHEAT

WITHDREW

THE EFF1(P)-T

INSIGHTS INTO COLBALT OXIDE WATER OXIDATION CATALYSTS: PROMOTING A FUTURE BASED ON HYDROGEN FUEL

Amendra Fernando and

andEnine ABTikens Tm[QN)-9(HYDR)4(OG)09.06nd

IDENTIFICATION OF SERPIN 2 COMPLEX BINDING PARTNERS IN ANOPHELES GAMBIAE BY IMMUNOAFFINITY CHROMATOGRAPHY AND MASS SPECTROMETRY

Christopher Culbertson[1], Kristin Michel[2], **KaJThS SlS**

SYNTHESIS AND CHARACTERIZATION OF HYPERBRANCHED CADMIUM CHALCOGENIDES NANOMATERIALS

Mohammad Sadegh Yazdanparast and Emily J. McLaurin

WITHDREW*

COMPARISON OF NATURAL DYES DERIVED FROM KANSAS BLACK WALNUT, OSAGE ORANGE, AND EASTERN REDCEDAR SAWDUST ON ALUMINUM MORDANTED AND NONMORDANTED WOOL YARNS

Kelsie Doty and Sherry Haar

Department of Apparel, Textiles and Interior Design, College of Human Ecology

Background and Purpose: Timber sawmill waste from native Kansas trees has potential as a value added source of natural dye colorant. The purpose of this research was to compare the colorfastness of dyes derived from Kansas black walnut (*Juglans Nigra*), Osage orange (*Maclura pomifera*), and eastern redcedar (*Juniperus virginiana*

REPLACING 100% COTTON FABRIC WITH JUTE-COTTON BLENDED (JUTTON) FABRIC: AN ECO-ENVIRONMENTAL SUSTAINABILITY APPROACH IN THE CONTEXT OF BANGLADESH

Md. Imranul Islam and Meloday LeHew

Department of Apparel, Textiles, and Interior Design, College of Human Ecology

BACKGROUND AND PURPOSE: Other than the socio-economic and cultural influences, some favorable properties (e.g., natural fiber, easily spin-able, greater comfort, biodegradable) and availability of cotton fibers make it a preferred fiber for humans. However, cotton fiber grows under certain environmental condition and only a few geographic locations have such favorable ecological circumstances. As a result, some cotton

SITE OF ENTRY AND GRAIN PHYSICAL CONDITION ON INFESTATION AND DEVELOPMENT OF LESSER GRAIN BORER LARVAE IN HARD RED WINTER WHEAT KERNELS

Mario G. Andrada and BhadriBT1 0Gju Sdman.73(y)201-15(m[( )] TJETBT/F6F3 12 T

AN EFFICIENT PKI FOR SECURE COMMERCE USING BASIC PHONES

Muhammad Sajidur Rahman
Department of Computing and Information Sciences,

INTERACTIONS OF AMINO ACIDS IN AQUEOUS SOLUTIONS

Sadish Karunaweera[1], Samantha Weerasinghe[2], and Paul E. Smith[1]

[1]Department of Chemistry, College of Arts and Sciences; [2]Department of Chemistry, University of Colombo, Colombo, Sri Lanka

Poster Abstracts

Social Sciences/Humanities/Education 1

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COMMUNICATING LOVE:

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THE SEATED INACTIVITY TRIAL (S.I.T): HEALTH OUTCOMES ASSOCIATED WITH EIGHT WEEKS OF IMPOSED SEDENTARY BEHAVIOR

Brooke J. Cull, Richard R. Rosenkranz, Mark D. Haub, and Sara K. Rosenkranz

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SOY PROTEIN ADHESIVE BLENDS WITH SOY OIL BASED WATERBORNE POLYURETHANE TO IMPROVE WET STRENGTH ON WOOD

Haijing Liu, Cong Li, and Xiuzhi Susan Sun

CHARACTERIZATION OF ORGANIC CARBON IN SOIL AGGREGATES FROM TEMPERATE

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DEVELOPING BEST MANAGEMENT PRACTICES (BMPs) TO MINIMIZE (INIMOS)-3(S)-3((INIMOS)-3F

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STOCHASTIC MODELING OF FLOW BEHAVIOR AND CELL STRUCTURE FORMATION DURING EXTRUSION OF BIOPOLYMER MELTS

Pavan Harshit Manepalli[1], Hulya Dogan[1], John Mathew[2], and Sajid Alavi[1]

[1]Department of Grain Science and Industry, College of Agriculture; [2]FritoLay R&D, Plano, TX

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BERMUDAGRASS CONTROL WITH GLYPHOSATE, FLUAZIFOP, AND MESOTRIONE FOR SPRING RENOVATION

Jacob A. Reeves[1], Jared A. Hoyle[1], and

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A METHOD TO MEASURE NANOMECHANICAL PROPERTIES OF BIOLOGICAL OBJECTS

Nicoleta Ploscariu and Robert Szoszkiewicz

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DOES VO_{2peak} MODERATE THE ASSOCIATION BETWEEN DIETARY FAT INTAKE AND POST-PRANDIAL FAT OXIDATION?

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Adam Hancock.....6, 37