

thesis review 2011

As a culminating experience for the master's degree program, the thesis attests to the highest level of the student's academic, scholarly, and creative abilities. Each student works under the guidance of a faculty thesis chair and committee. The resulting thesis is viewed with pride as a reflection of the scholarly promise of the student and a commitment to excellence for the university. This summer 2011 semester, 41 students completed theses in areas as varied and original as the students themselves. What follows is a complete list of summer 2011 publications by college/school and some research highlights.

JORDAN COLLEGE OF AGRICULTURAL SCIENCES AND TECHNOLOGY

Animal Science

Stephanie Abed

A Comparison of Two Rumen Buffers and the Effects on Milk Components and Production in Holstein and Jersey Dairy Cows
(Chair: Jon Robison)



Brad Bogdanich

Utilization of Specific Milk Lipid Fractions in the Assessment of Fatty Acid Composition in Milk of High Producing Dairy Cows
(Chair: Jon Robison)

Ivan Zhelev

Qualitative Evaluation of Colostrum in Central California Dairies
(Chair: Jon Robison)

Food Science and Nutrition

Shanaz Ahmed

Natural Color Extraction from *Opuntia*
(Chair: Gour Choudhury)

◀Shanaz Ahmed found that pigment extracted from *Opuntia* can be a source of natural red food colorant.

Sourabh Parulekar

Partitioning and Chemical Profiling of Solid Liquid Phases from Pistachio
(Chair: Gour Choudhury)



Plant Science

Eeshan Mokashi

Evaluation of Seed Germination-Based Protocols for Screening of Salinity Tolerance in Turfgrasses
(Chair: John Bushoven)



Marcelo Moretti

Determination of Multiple Herbicide Resistance in Populations of Hairy Fleabane (*Conyza bonariensis*) in the Central Valley of California and Evaluation of Alternative Chemical Control
(Chair: Anil Shrestha)

COLLEGE OF ARTS AND HUMANITIES

English

Daniel Ayala

Origin at the Center: The Centrality of “Scylla and Charybdis” in James Joyce's Thematic Project in *Ulysses*
(Chair: Linnea Alexander)

Keith Ford

A Literary History of Violence: A Girardian Analysis of the Iliad, Aeneid, and the Lai of 'Eliduc'
(Chair: Steve Adisasmith-Smith)

Jennifer Mayer

Agency, Critical Practice, and Success: Reflection in First-Year Writing
(Chair: Virginia Crisco)

Jennifer Toste

Using French to Construct British Female Identity: Defoe's *Roxana*, Brontë's *Villette*, and Fowles' *The French Lieutenant's Woman*
(Chair: Ruth Jenkins)



◀Jennifer Toste explored how **female identity** in British literature is constructed through the use of French.

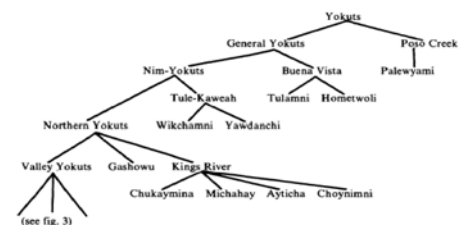
Linguistics

Peter Guekguezian

Topics in Chukchansi Yokuts Phonology and Morphology
(Chair: Chris Golston)

Isaac Martin

A Phonetic Account of the Chukchansi Yokuts Vowel Space
(Chair: Sean Fulop)



◀Isaac Martin showed that General Yokuts employs vowels argued to be absent by other researchers, and that the lowest vowel in **Chukchansi** has not been properly classified.

Mass Communication and Journalism

Maurice Ndole

Building the 21st Century Journalist: Revamping Journalism Training to Adjust to Current Changes in the Media

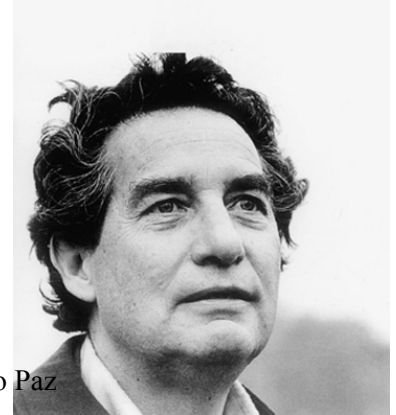
(Chair: Susan Sivek)

Modern and Classical Languages and Literatures

Mabel Bowser

La historia y la geografía como factores inhibidores del ser: Un estudio comparativo entre Emilio Yunis y Octavio Paz

(Chair: Saúl Jiménez-Sandoval)



Abélica Durán

Escalando hacia la recuperación física y mental del cuerpo femenino: Santa María Egipcíaca, Sor Juana Inés de la Cruz y Elena Poniatowska

(Chair: Saúl Jiménez-Sandoval)

Maribel Jiménez

Deseo y fuerza del cuerpo femenino: La respuesta a la negación de la subjetividad

(Chair: Saúl Jiménez-Sandoval)

Tannia Morales

El desengaño y feminismo de Emilia Pardo Bazán

(Chair: Debbie Avila)

↳ Tannia Morales analyzed how women are linked to the Catholic Church in many ways and how society **limits women** with regard to their own individuality

CRAIG SCHOOL OF BUSINESS

Business Administration

Philip Gentile

Subtle Mistreatment: A Look at the Prevalence of Ambiguous Discrimination Against People with Disabilities in Education and Employment

(Chair: Julie Olson-Buchanan)

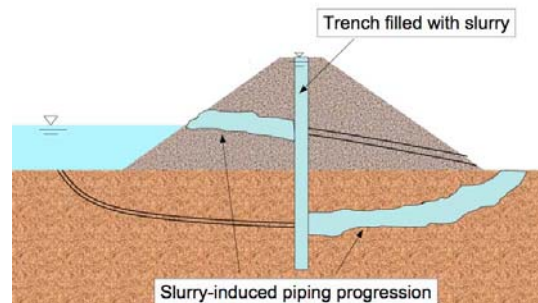
LYLES COLLEGE OF ENGINEERING

Civil Engineering

Exequiel Sinco

Piping Progression of Sand Under Various Permeating Fluids

(Chair: Ming Xiao)



COLLEGE OF HEALTH AND HUMAN SERVICES

Communicative Disorders

Kristina Esau

Deciding Factors in the Parents' Decision for a Cochlear Implant
(Chair: Jenelle Gilbert)



Kinesiology

Melissa Flores

Uncovering the Essence of Musicin Exercise Experiences
(Chair: Jenelle Gilbert)



Public Health

Guillermina Garcia

Cultural Beliefs Among Hispanic/Latino Parents of Children Living with or in Remission from Leukemia in Central California

(Chair: Helda Pinzon-Perez)

Social Work Education

Sai Mouanoutoua

Fresno County Cal-Learn: An Evaluation of the Implementation of the Edinburgh Postnatal Depression Scale Among Perinatal Adolescent Mothers

(Chair: Donna Hardina)

◀ Sai Mouanoutoua examined data from Fresno County Cal-Learn to evaluate whether there was a prevalence of **perinatal adolescent depression** in participants and whether individuals identified with depression were being connected to mental health services.

KREMEN SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT

Counseling, Special Education, and Rehabilitation

Soua Xiong

Factors Contributing to the Success of Hmong Graduate Students

(Chair: Sarah Lam)



COLLEGE OF SCIENCE AND MATHEMATICS

Biology

Brett Moore

Influence of Fine Particulate Matter Composition on the Distribution of Macroinvertebrates in a Sierra Foothill Watershed

(Chair: Steve Blumenshine)



Nathan Piestrup

Analysis of the Specific Pathway of Endocytosis Involved in B3 Integrin Recycling in a Cell Culture Model System

(Chair: Jason Bush)

◀Nathan Piestrup investigated two possible vesicular pathways being utilized in the metastatic process in **cancer**: clathrincoated and caveolae vesicles.

Michael Tran

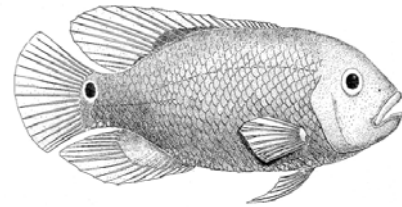
Effects of Methyl Farnesoate on Fecundity and First-Generation Offspring Viability in the Tadpole Shrimp, *Triops longicaudatus*

(Chair: Brian Tsukimura)

Kelli Upton

Neuroendocrine Regulation of Food Intake Following Acute Stress in the Tilapia, *Oreochromis mossambicus*

(Chair: John Constable)



Forensic Science

Nichole Cruz

Assessing the Impact of Background Pyrolysis Products on Ignitable Liquid Comparisons

(Chair: Eric Person)

◀Nichole Cruz developed a method that used a set of linear transformations of the original GC-MS data to computationally add **pyrolysis** product data to ignitable liquid data.

Geology

Anna Brody

Quantifying Post-Glacial Talus Deposition in Yosemite Valley Using ArcGIS and Near Surface Geophysics, and the implications on Hazard Assessment

(Chair: Chris Pluhar)



Psychology

Jessica Akers

Using Script Fading to Increase Play-Based Language Between Children with Autism and Their Typically Developing Sibling

(Chair: Amanda Adams)

◀Melissa Altamirano compared the use of naturalistic teaching methods within a play scheme to promote initiations and generalization skills among children with **autism**.

Melissa Altamirano

An Examination of Play Schemes to Teach Children with Autism Using Naturalistic Teaching Strategies

(Chair: Amanda Adams)

Matthew Defendis

The Effects of Feature-Based Stereotyping on Gender

(Chair: Jean Ritter)

Pablo Morales
ERP Correlates of Human Decision Making in a
Confidence-Based Gambling Task
(Chair: Martin Shapiro)



Paula Robinson
The Effect of a Modified Social Story on Compliance
During an Early Dental Examination in Children
(Chair: Amanda Adams)

COLLEGE OF SOCIAL SCIENCES

Criminology

John Tangye
The Efficacy of the Fresno County Behavioral Health Court
(Chair: Peter English)



History

Mateo Carrillo
The Bracero Program, 1942-1964: The Demise of the Mexican
Revolution and Birth of the U.S. Immigration Crisis
(Chair: William Skuban)

◀ Mateo Carrillo argues that the **Bracero Program** represented the pivotal deviation from, and ultimate failure of, the Mexican revolutionary project started in 1910.

Armando Hernandez
Porfirio Díaz: Savior or Tyrant of Mexico?
(Chair: William Skuban)

Tiffany Polfer
“All of us must make sacrifices to help towards
upholding American ideals”: Japanese American
Internment Print Culture During World War II
(Chair: Daniel Cady)

Stephanie Strejan
“The world still walks in the shadow of another
world war... Defense preparations are far from
complete”: Children and Cold War Fiction
(Chair: Lori Clune)

Stephanie Strejan argues that children’s literature produced during the Cold War promoted the creation of a generation of **Cold War Warriors** through its depictions of democracy, communism, freedom, oppression, and the production and use of nuclear energy.

