

UNDERGRADUATE RESEARCH DAY

for those wishing to excel in scholarly and creative enterprises outside of their classes

APRIL 10, 2012



BUSINESS AND ECONOMICS

APPROACHES THE UW-SYSTEM EMPLOY TO RECRUIT UNDERREPRESENTED FACULTY AND STAFF

Student(s): Shaquina A. Smith
Mentor(s): Steven Guo

CENTRALIZING QUICK RESPONSE (QR) CODES FOR ENHANCING MOBILE COMPUTING SECURITY

Student(s): Nick W. Baldwin
Mentor(s): Li-Chung Roger Yin

CERTIFICATES OF DEPOSIT: NORMAL OR INFERIOR GOOD?

Student(s): Neil Lockwood
Mentor(s): Russell Kashian

CHRISTIANITY AND CRIME: A STUDY ON RELIGIOSITY'S IMPACT ON CRIME RATES

Student(s): Kyria Smith
Mentor(s): David Welsch

DETERMINANTS OF BEST TRADESHOW PRACTICES

Student(s): Christopher D. Brooks
Mentor(s): Jeff Vanevenhoven

DETERMINANTS OF PERSISTENCE IN CYCLICAL UNEMPLOYMENT: A BRIEF EMPIRICAL EXPLORATION

Student(s): Steven Rockwell
Mentor(s): Yamin Ahmad

DOES A HIGH PERCENTAGE OF JEWISH ADHERENTS IN A COUNTY AFFECT INCOME EQUALITY?

Student(s): Taylor Warden
Mentor(s): David Welsch

DOES THE GENDER COMPOSITION OF EXECUTIVE BOARDS AFFECT CORPORATE PROFITS?

Student(s): Jaeger Nelson
Mentor(s): David Welsch

IMPACT OF STUDY ABROAD EXPERIENCES ON STUDENTS AT A FOUR-YEAR PUBLIC UNIVERSITY

Student(s): Milliam Lor
Mentor(s): Roger Yin

LOOKING LONG-TERM: USING LINEAR PROGRAMMING MODELS TO EXPLICATE SOCIALLY RESPONSIBLE DECISION-MAKING

Student(s): Michael Caruso
Mentor(s): William Dougan

MINNESOTA'S OPEN ENROLLMENT PROGRAMS EFFECT ON STUDENT PERFORMANCE

Student(s): Michael Babington
Mentor(s): David Welsch

PEARSON MARKETING CAMPAIGN. YES! REALLY!

Student(s): Brian Madison, Cortni Brader, Megan Theune, Laura Gariepy, Jake Struck
Mentor(s): Carol Scovotti, Pavan Chennamaneni, Jimmy Peltier

SHAREPOINT 2010 FOR COLLABORATION AND DOCUMENTATION STORAGE

Student(s): Matthew K. Granum
Mentor(s): Christina Outlay

THE EFFECTS OF CASINOS ON WISCONSIN COMMUNITIES

Student(s): Mitchell Klink
Mentor(s): David Welsch

THE EFFECTS OF TAVERNS AND LIQUOR LICENSES ON TRAFFIC SAFETY

Student(s): Margo Lang
Mentor(s): David Welsch

THE PATHWAY TO ECONOMIC STABILITY FOR HMONG COLLEGE STUDENTS

Student(s): Melissa Vue
Mentor(s): Steven Guo

UNIVERSAL HEALTHCARE COVERAGE UNABLE TO SURVIVE IN THE UNITED STATES

Student(s): Megan Stevens
Mentor(s): Jerry Gosenpud

ARTS AND COMMUNICATIONS

A CONTENT ANALYSIS OF NEWS STORIES ON A NATIONAL EATING DISORDER WEBSITE

Student(s): Heather Bughman
Mentor(s): Ray Baus

AFRICAN AMERICAN VISUAL ARTIST: HOW THEY CAN BECOME NATIONAL FIGURES

Student(s): Arie Montgomery
Mentor(s): Greg Porcaro

CONNECTIONS BETWEEN UW-WHITEWATER STUDENT HEALTH LITERACY LEVELS AND OTHER HEALTH-RELATED VARIABLES

Student(s): Anne O. Servais
Mentor(s): Ray Baus

EXPLORING THE USE OF COMMERCIALLY MANUFACTURED UNDERGLAZES ON UTILITARIAN CERAMIC WARE

Student(s): Michael Kern
Mentor(s): Jared Janovec

EXPLORING THE USE OF RARE EARTH METAL OXIDES IN TRANSPARENT GLAZES IN RELATIONSHIP TO CERAMIC SURFACE DEVELOPMENT

Student(s): Chanda L. Droske
Mentor(s): Jared Janovec

EXPLORING WSMA MUSIC FESTIVAL SAXOPHONE REPERTOIRE

Student(s): Nicole Heiling
Mentor(s): Matthew Sintchak

HOME MANUFACTURING WATERCOLOR PAINTS

Student(s): Rachel A. Walling
Mentor(s): Gregory Porcaro

HOW WORKPLACE STRESS AFFECTS TEACHERS

Student(s): Abby Schneider
Mentor(s): Ray Baus

INTERGENERATIONAL INVESTIGATION WITH HIGH SCHOOL ART STUDENTS

Student(s): Alison Bailey, Kelley Morrison
Mentor(s): Teresa Faris

JAPANESE CONTEMPORARY CLASSICAL SAXOPHONE MUSIC

Student(s): Emily Van Veen
Mentor(s): Matthew Sintchak

LA MUSICA LIRICA: AN OPERATIC EXPERIENCE

Student(s): Ryan White
Mentor(s): Brygida Bziukiewicz-Kulig

MICRO-CRYSTALLINE GROWTH IN CERAMIC HIGH FIRE GLAZES

Student(s): Kyle Hendrix
Mentor(s): Charles Olson

MOKUMÉ GANE: PATTERNS EXPLORATION

Student(s): Neta Ron
Mentor(s): Michael J. Banning

MUSIC FOR PERCUSSION AND ELECTROACOUSTIC SOUND, UTILIZING NON-TRADITIONAL SOLO INSTRUMENTS

Student(s): Nick Fox
Mentor(s): Jeff Herriott

MUSICAL PARTICIPATION AND THE CORRELATION BETWEEN SOCIO-ECONOMIC STATUS AND ACADEMIC STANDING

Student(s): Alena Holmes
Mentor(s): Cortney C. Netzel, Gustavo Chaviano

NARRATIVES OF THE TRANSGENDER EXPERIENCE

Student(s): Katka L. Showers-Curtis
Mentor(s): Corey B. Davis

NORTHERN EXPOSURE TO DANCE

Student(s): Kelly Kachelski
Mentor(s): Barbara Grubel

PREPARATION, PRACTICE AND PERFORMANCE OF AUDITION MATERIAL

Student(s): Jennifer Samson, Jake Lesh, Sarah Stokes, Allison Blair, Anthony Stachowski, Marcus Cunningham, Aly Ruge
Mentor(s): Jim Butchart

"REMIND ME"

Student(s): Rachel Christian
Mentor(s): Teresa Faris

THE CHOREOGRAPHIC PROCESS THROUGH THE EYES OF THE DANCER

Student(s): Whitney Geallis, Justin Nothem, Mackenzie Nilsen, Emma Raymond, Brienna Schenck, Jordan Sterling, UW-Whitewater Dance Program Dancers
Mentor(s): Barbara Grubel

THE INTERACTION BETWEEN PATINAS AND EMOTIONS

Student(s): Beth L. Zarden-Benson
Mentor(s): Teresa Faris

THE THREEPENNY OPERA

Student(s): H. Erin Quist
Mentor(s): Jim Butchart

THE VOICE OF AUTISM

Student(s): Anna M. Brittnacher
Mentor(s): Barbara Grubel

VISUAL ARTS IN AFRICAN AMERICAN COMMUNITIES

Student(s): DeJuan Mason
Mentor(s): Michael Fianagan

EDUCATIONAL AND PROFESSIONAL STUDIES

AFRICAN AMERICAN AND CAUCASIAN MOTHERS: A BI-RACIAL DILEMMA

Student(s): Bridgette C. Jordan
Mentor(s): Richard Mason

AN INTROSPECTIVE STUDY OF THE OCCUPATIONAL SAFETY PROFESSION THROUGH A CRITICAL LITERATURE REVIEW

Student(s): Sarah A. Neudeck, Max R. Hey, Matthew F. Squire

Mentor(s): Todd W. Loushine)

DIGITAL NATIVES LEADING THE WAY FOR 21ST CENTURY LEARNERS?

Student(s): Kelly Jones
Mentor(s): Andrea Maxworthy-O'Brien

EFFECTS OF OBESITY ON THE CONSTRUCTION INDUSTRY

Student(s): Sampson R. Hauser
Mentor(s): Sang D. Choi

HOW DO COLLEGE STUDENTS IDENTIFY THEMSELVES IN THE GLOBALIZED WORLD?

Student(s): Hanaka Yamada
Mentor(s): Katrina Liu

INCREASING RETENTION FOR MINORITY STUDENTS AT UW-WHITEWATER

Student(s): Maria A. Macias
Mentor(s): Katrina Liu

INTEGRATED CURRICULUM IN KINDERGARTEN CLASSROOMS: IDEOLOGY AND PRACTICE

Student(s): Erica A. Klefstad
Mentor(s): Lucinda Heimer

STUDY OF MUSCULOSKELETAL RISKS OF THE OFFICE-BASED SURGERIES

Student(s): James Hermanson
Mentor(s): Sang D. Choi

WHAT DEFINES THE SAFETY PROFESSION AND ITS PRACTICES? A SURVEY OF UPPER-MIDWEST SAFETY PROFESSIONALS

Student(s): Andrew J. Griepentrog
Mentor(s): Todd W. Loushine

MISCELLANEOUS

DEVELOPMENT OF VETERINARY SURGICAL TEACHING MODELS

Student(s): Katharine E. Hausmann
Mentor(s): Dean Hendrickson, Fausto Bellezzo

MARKET STUDY OF PARKS AND RECREATION DEPARTMENTS' REGISTRATION PROCEDURES

Student(s): Gregory Heal, Eli Kosanovich
Mentor(s): Choton Basu, Seth Meisel

REGIONAL ECONOMIC DEVELOPMENT BEST PRACTICES

Student(s): Micah Buggs, Alyssa Kubishak
Mentor(s): Denise Ehlien and Ryan Pingel

THE BEST PRACTICES IN BUSINESS INCUBATION

Student(s): Talia Schutz
Mentor(s): Denise Ehlien

THE EFFECT OF ETS-1 GENE EXPRESSION ON BREAST CANCER SENSITIVITY TO DOXORUBICIN AND VINBLASTINE CHEMOTHERAPY

Student(s): Katharine E. Hausmann
Mentor(s): Dawn Duval, Brain Kalet

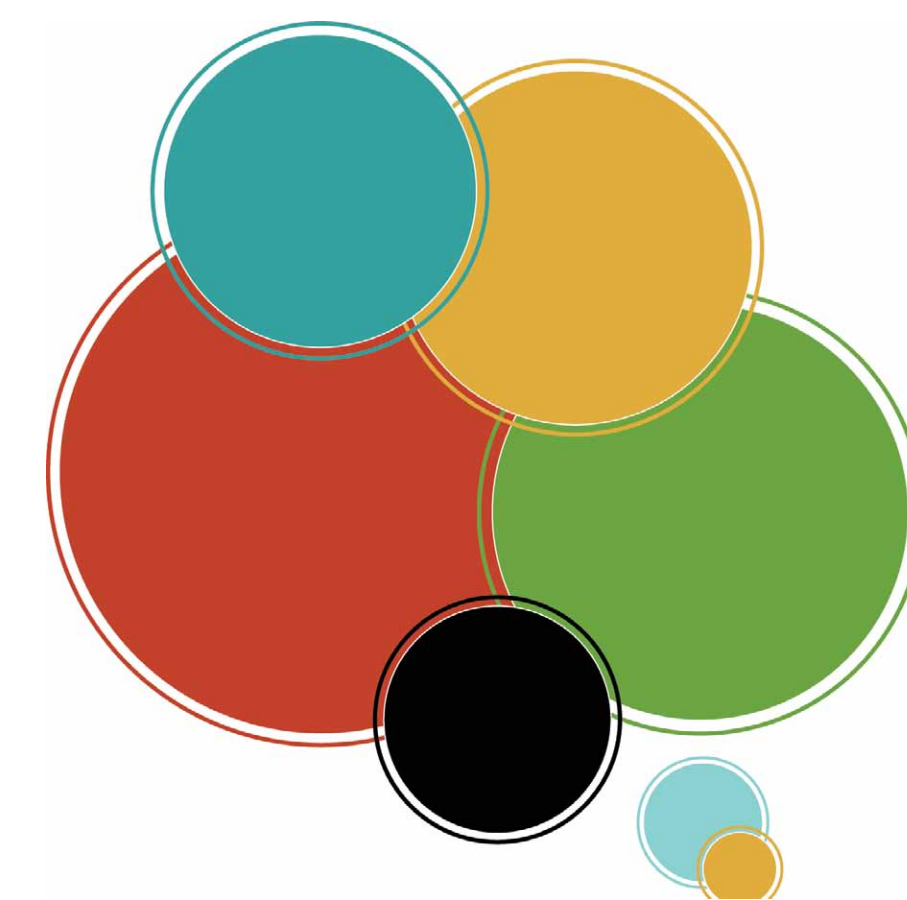


UNIVERSITY OF WISCONSIN
WHITEWATER

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LETTERS AND SCIENCES

COMMODIFYING CULTURE: HAS TOURIST EXPECTATIONS HOMOGENIZED CHINATOWN'S IDENTITY AND TRANSFORMED ITS' CULTURE INTO AN OBJECT FOR CONSUMPTION?

Student(s): Monica K. Wilson
Mentor(s): Jeffery Zimmerman

COMPARATIVE ANALYSIS OF PERMIAN GASTROPOD FAUNAS OF THE EASTERN KLAMATH MOUNTAINS, CA AND THE PINE FOREST RANGE, NV

Student(s): Rhiannon J. LaVine
Mentor(s): Rex A. Hanger

CORONA PLASMA AND COATING OF METALS

Student(s): David Carroll
Mentor(s): Jalal Nawash

CROSS CULTURAL PERCEPTIONS OF DEPRESSION

Student(s): Cristal Solorzano
Mentor(s): Shen Zhang

DESIGNING AN "AMERICAN COMICS AS LITERATURE" COURSE

Student(s): Mark Bannon
Mentor(s): Janine Tobeck

DETECTION OF RHYTHMIC GENE EXPRESSION IN THE EMBRYONIC HEART OF XENOPUS LAEVIS

Student(s): Morgan R. Hadley
Mentor(s): Kristen L. Curran

DETERMINING A ROLE FOR XBMAL1 AND XNOCTURNIN IN SOMITOGENESIS OF XENOPUS LAEVIS

Student(s): Gail B. Willadsen, Nicole M. Johnson
Mentor(s): Kristen L. Curran

DETERMINING HOW A HIBERNATOR (MARMOTA MONAX) RESPONDS TO TEMPERATURE CHANGES DURING THE SUMMER EUTHERMIC PHASE

Student(s): Troy Hughes
Mentor(s): Brett Woods

DNA BINDING ACTIVITY OF THE DAF-16/ FORKHEAD DOMAIN PROTEIN IN THE PARASITIC NEMATODE BRUGIA MALAYI

Student(s): Peter Sackett
Mentor(s): Kirsten Crossgrove

EFFECTS OF BHA AND BENZOPHENONE ON A MODEL LAND PLANT, ARABIDOPSIS THALIANA

Student(s): Marie Nider, Emmanuel Higgins
Mentor(s): Catherine Chan

EFFECTS OF HIGH VOLUME PHARMACEUTICALS ON ARABIDOPSIS THALIANA

Student(s): Michelle M. Storage
Mentor(s): Catherine Chan

EFFECTS OF SELECT PHARMACEUTICAL AND PERSONAL CARE PRODUCTS ON ARABIDOPSIS THALIANA

Student(s): Ashley L. Redinger
Mentor(s): Catherine Chan

ENGLISH AND ECONOMIC OPPORTUNITIES FOR OAXACAN TRANSNATIONALS

Student(s): Gisela H. Sanchez-Lopez
Mentor(s): Susan Huss-Lederman

ENVIRONMENTAL EFFECTS ON PIG DNA DEGRADATION OVER TIME

Student(s): Choua Vang
Mentor(s): Peter Killoran

EXPRESSION AND PURIFICATION OF CXCL5, THE CAUSATIVE AGENT BEHIND SUNBURN'S PAIN

Student(s): Emily R. Lackner
Mentor(s): Christopher T. Veldkamp

EXTRA-CURRICULAR ACTIVITIES AND THEIR EFFECT ON COLLEGE PREPARATION

Student(s): Anthony Richardson Jr.
Mentor(s): Jolly Emrey

FABRIC AND WHOLE ROCK ANALYSES OF SHEARED GRANITIC ROCK SAMPLES M1002-A AND M1002-B FROM MOUNTAIN, WISCONSIN

Student(s): Brittany J. Saylor, J. Casey Stencil
Mentor(s): Michael A. DeVasto, Prajukti Bhattacharyya

FORENSIC ANALYSIS OF HAIR DEGRADATION AND DNA EXTRACTION SUCCESS IN TWO SOIL DEPTHS

Student(s): Anna M. Smith
Mentor(s): Kirsten Crossgrove

GENETICALLY MODIFIED FOOD AND ITS POTENTIAL EFFECTS ON MAMMALS

Student(s): Khava J. Ebner
Mentor(s): Eric Michael Bratsolias Brown

HETEROGENEOUS CATALYST FOR SELECTIVE REDUCTION OF NITRO COMPOUNDS IN AQUEOUS MEDIA

Student(s): Margaret Legan
Mentor(s): Hephzibah Kumpaty and Pravin Likhari

HISTORIC ANNUAL DISTRIBUTION AND EXPANSION OF THE MOUNTAIN PINE BEETLE IN ROCKY MOUNTAIN NATIONAL PARK

Student(s): Kayla R. Kurtz
Mentor(s): Thomas Jeffery

HOUSEWORK CONTRIBUTION BY HIGH SCHOOL CHILDREN: A SOCIOLOGICAL ANALYSIS

Student(s): Amanda L. Engen
Mentor(s): Akiko Yoshida

HOW LONG WILL I BE COUNTING?: TESTING THE DIFFERENCE BETWEEN MNI AND NISP COUNTING METHODS IN VERTEBRATE PALEOECOLOGY.

Student(s): Nicole Braun
Mentor(s): Rex Hanger

INFERRING THE EVOLUTIONARY HISTORY OF INFLUENZA TYPE B THROUGH COMPARATIVE ANALYSIS OF WHOLE PROTEOMES

Student(s): Seth Kemmeter, Harley Pyles, Maressa Nazari
Mentor(s): Robert Kuzoff

INFLUENCE OF WASTEWATER TREATMENT PLANT DISCHARGE ON REPRODUCTION AND VITELLOGENIN CONCENTRATIONS IN CAGED FATHEAD MINNOWS (PIMEPHALES PROMELAS)

Student(s): Lisa A. Griffin
Mentor(s): Elisabeth A. Harrahy

INVESTIGATING DEEP PHYLOGENETIC RELATIONSHIPS AMONG INFLUENZA A LINEAGES

Student(s): Harley Pyles, Seth Kemmeter, Maressa Nazari
Mentor(s): Robert Kuzoff

LACK OF A STANDARD: AN INVESTIGATION OF PUBLIC SCHOOL DISTRICT BULLYING POLICIES

Student(s): Katherine A. Zeininger
Mentor(s): Jennifer Flad

LIFE EXPERIENCES IMPACTING HMONG ATTENDING FOUR-YEAR UNIVERSITIES

Student(s): Choua Khang
Mentor(s): Susan Huss-Lederman

MECHANISTIC INVESTIGATION OF NAZAROV CYCLIZATION REACTION CATALYZED BY PALLADIUM(0) COMPLEXES

Student(s): Garrett J. Francis, Alexander J. Steeno
Mentor(s): Tulay A. Atesin

MEDIA BIAS?: A COMPARATIVE ANALYSIS OF POSSIBLE GENDER AND IDEOLOGICAL BIAS IN AMERICA'S MOST WIDELY-CIRCULATED NEWSPAPERS

Student(s): Stephanie A. Abbott
Mentor(s): Lawrence Anderson

NEIGHBORHOOD TRANSFORMATION AND A NEW NEIGHBORHOOD TYPOLOGY FOR MILWAUKEE: A DETAILED SPATIAL ANALYSIS OF DEMOGRAPHIC AND RACIAL CHANGE USING THE 2000 AND 2010 CENSUS DATA

Student(s): Sara Metcalf
Mentor(s): Jeffery Zimmerman

ON BEING HAPPY AND MISTAKEN: REVISITING FORGAS' (1998) MOOD-BIAS RESULTS

Student(s): Jessica A. Cook
Mentor(s): Dan Stalder

OXYGEN CONSUMPTION COMPARISON FOR HIBERNATING JUVENILE AND ADULT MARMOTS (MARMOTA MONAX)

Student(s): Douglas R. Lyke, Troy A. Hughes
Mentor(s): Brett Woods

PERCEPTION OF IDEALIZED RELATIONSHIPS AMONG YOUNG ADULTS

Student(s): Maryam R. Polley
Mentor(s): Akiko Yoshida

PRESS REPORTING ON U.S. COVERT INTERVENTION IN THE MIDDLE EAST AND CENTRAL AMERICA DURING THE 1950S

Student(s): Jason S. Parry
Mentor(s): Mark Boulton

RESCUE OF CAENORHABDITIS ELEGANS DAF-9 WITH BRUGIA MALAYI DAF-9

Student(s): Robert Langenohl
Mentor(s): Kirsten Crossgrove

SECTARIAN VIOLENCE IN SCOTLAND'S "OLD FIRM" SOCCER RIVALRY AND ITS RELATION TO INTERNATIONAL CONFLICT

Student(s): Jonathan S. Schaefer
Mentor(s): Mark Boulton

SIMULATED WASTEWATER TREATMENT CHLORINATION OF TYLOSIN

Student(s): Caleb D. Frost
Mentor(s): Paul House

SIMULATED WASTEWATER TREATMENT OF ESTRONE

Student(s): Paul Knebel
Mentor(s): Paul House

SIMULATED WASTEWATER TREATMENT OF ROXITHROMYCIN

Student(s): Keiva Coppage
Mentor(s): Paul House

SPATIAL AND TEMPORAL VARIABILITY OF WATER QUALITY IN THE WHITEWATER CREEK WATERSHED, WHITEWATER, WI

Student(s): Hagen Kaczmarek
Mentor(s): Dale Splinter

SPATIAL AND TEMPORAL VARIATION IN DIVERSITY OF PLEURO CERID GASTROPODA AND OTHER BENTHIC MACROINVERTEBRATE FAUNA, MUKWONAGO RIVER, WISCONSIN

Student(s): Kristie L. Hansen
Mentor(s): Rex Hanger

SPATIAL AND TEMPORAL VARIATIONS OF VOLCANIC MATERIALS AT MT. UNZEN, KYUSHU, JAPAN

Student(s): Heather McFarlin, Rhiannon LaVine
Mentor(s): John Ejnik, Prajukti Bhattacharyya

SPECTROSCOPY STUDIES OF HETEROCYCLIC COMPOUNDS AND THEIR AROMATICITY

Student(s): Cristina Jonsson-Hurtado
Mentor(s): Hassimi Traore

TESTING D1 AND D2 DOPAMINE RECEPTOR DISTRIBUTION IN THE NUCLEUS ACCUMBENS AND SUBLENTICULAR EXTENDED AMYGDALA

Student(s): Kyle A. Wuttrich, Wesley R. Zweifelhofer
Mentor(s): Meg Waraczynski

TESTING D1 DOPAMINE RECEPTORS AND GLUTAMATE COMBINED EFFECTS ON BRAIN STIMULATION REWARD IN THE EXTENDED AMYGDALA

Student(s): Michele M. Stoehr
Mentor(s): Meg Waraczynski

THE IMPACT OF BARBERSHOPS IN AFRICAN AMERICAN COMMUNITIES

Student(s): Trevon L. Tucker
Mentor(s): Holly Denning

THE IMPACT OF COMIC BOOK MOVIES IN THE PAST DECADE

Student(s): Shia Lee
Mentor(s): Tanya Kam

THE MATHEMATICAL MESSAGE OF LEWIS CARROLL'S ALICE BOOKS

Student(s): Justin Brockmann
Mentor(s): Thomas Drucker

THE ROLE OF STUDENT ORGANIZATION IN HATE CRIME REPORTING ON COLLEGE CAMPUSES

Student(s): Reid Dickerson
Mentor(s): Susan Johnson

THE SYNTHESIS OF CHRYSIN AND COUMARIN DERIVATIVES

Student(s): Natalie Huss
Mentor(s): S. Chandrasekhar, Hephzibah Kumpaty

TOXICITY OF A MIXTURE OF TRICLOCARBAN AND ACETAMINOPHEN TO TWO WATER FLEAS, DAPHNIA MAGNA AND CERIODAPHNIA DUBIA

Student(s): Michael L. Laursen
Mentor(s): Elisabeth A. Harrahy

WHALE PHYLOGENY AS AN EXPORTABLE TEACHING TOOL

Student(s): Melissa Schober, Seth Kemmeter, Vernelle Trueth
Mentor(s): Robert Kuzoff

WOODCHUCKS AND HIBERNATION

Student(s): Darrian B. Slater
Mentor(s): Brett Woods

WOODCHUCKS AND TEMPERATURE VARIATION DURING HIBERNATION

Student(s): Rachel R. Robinson
Mentor(s): Brett Woods



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