

Undergraduate Research Day

Biology: Ecology, Conservation and Wildlife

1st Place: Dana Wynen, Eric Green, Tom Radomski

RESPONSE TO CANNIBAL CHEMICAL CUES BY LARVAL RINGED SALAMANDERS (AMBYSTOMA ANNULATUM)

Faculty Advisor: Alicia Mathis

2nd Place: Kacie D. Meyer

FEEDING ECOLOGY OF A STREAM-ASSOCIATED POPULATION OF THE COTTONMOUTH

Faculty Advisor: Dr. Brian Greene

Biology: Cellular, Microbiology and Genetics

1st Place: Hyeun Ahn

PHYSICAL INTERACTIONS OF VPS1 WITH MAJOR INTRACELLULAR TRAFFIC REGULATORS

Faculty Advisor: Kyoungtae Kim

2nd Place: Sara Woodman, Katie Schmelzle, Katelyn Bartlett

EXAMINING THE EFFECT OF CARBON NANOTUBES ON SACCHAROMYCES CEREVISIAE CELL GROWTH AND GENE EXPRESSION

Faculty Advisor: Dr. Kyoungtae Kim

Chemistry

1st Place: Hillary Mitchell

INKJET PRINTING OF POLYANILINE NANOFORMULATIONS

Faculty Advisor: Dr. Adam Wanekaya

2nd Place: Samantha Marshall, Dr. Todd Brewer, David Thomas

APPLICATION OF FLOWCAM ON ALGAE MONITORING AND WATER QUALITY STUDIES

Faculty Advisor: Dr. Todd Brewer

Engineering

1st Place: Elliot J. Duenow, Daniel E. Hurst, Darren J. Juranas, Nathan J. Jaffe, Kim Brown

APPLIED CONCRETE DESIGN: MISSOURI STATE UNIVERSITY CONCRETE CANOE TEAM

Faculty Advisor: Dr. Matthew Pierson

2nd Place: Mitchell Baldwin, Kevin Foflygen, Kory Gould, Aleksandar Jankovic, Ariel Moss, Ryan Owrey

TABLETOP POWER GRID

Faculty Advisor: Dr. Robert Egbert

Geography, Geology and Planning

1st Place: Jennifer Witt

MINING CHAT CONTRIBUTIONS TO THE BIG RIVER IN ST. FRANCOIS COUNTY, MISSOURI

Faculty advisor: Robert Pavlowsky

2nd Place: Felix Corrodi

BANK EROSION ASSESSMENT OF WILSON CREEK IN SPRINGFIELD, MISSOURI

Faculty Advisor: Dr. Bob Pavlowsky

Hospitality & Restaurant Administration

1st Place: Adam B. West

ASSESSMENT OF GREEN ROOFING TRENDS IN THE US LODGING INDUSTRY

Faculty Advisor: Dan Crafts

Mathematics

1st Place: Ali Bajwa, Dylan Beck, Shun Dong, Adrian Li, Michelle Pellegrino, Marcus Shadwick

ON A QUADRATIC VARIANT OF A PROBLEM OF BERZSENYI

Faculty Advisor: Dr. Les Reid

2nd Place: Zach Easley

COMPACTIFICATIONS USING DYADIC SEQUENCES

Faculty Advisor: Dr. Paula Kemp

Physics, Astronomy and Materials Science

1st Place: Daniel Soden, Jincheng Bai, Mingwei Shang, Ying Deng

GRAPHITE SONICATION IN VARIOUS MEDIUMS TO ACHIEVE QUALITY GRAPHENE

Faculty Advisor: Dr. Lifeng Dong

2nd Place: Steven Harrellson

A STUDY OF HYDROTHERMALLY TREATED Fe-DOPED MESOPOROUS FDU-12 SILICA

Faculty Advisor: Dr. Robert A. Mayanovic