

Papers Selected for Oral Presentation at Arkansas JSHS 2015

We are pleased to announce the following papers have been selected for oral presentations and the 2015 Arkansas Junior Science and Humanities Symposium:

Behavioral Science

Zach Borromeo, "The correlation between birth order and baseball player's positions"

Biomed:

Miriam Hauer-Jensen, "Antioxidants and Skin Aging"

Shruti Shah, "Cytotoxic Effects of Graphene on Cell Proliferation of Skin Fibroblast Cells"

Angela Wang, "DZ3, a novel analog that selectively targets and eliminates senescent cells",

Chemistry

Anirudh Pidugu, "Electrochemical Synthesis of Cobalt-Polypyrrole Films as Supercapacitors"

Hanya Qureshi, "Superhydrophobicity: using Nano Technology to Enhance Anti-Microbial Properties of Silicon Shunts"

Environmental Science:

Enoch Park, "Salt Concentrations that Influence Mortality Rate on Small Hive Beetles, *Aethina Tumida* Murray in Arkansas, the U.S."

Akhil Maddukuri, "An Oceanic Pollutant Meter: Examining Bioluminescent Bioassays of *V. fischeri*"

Physics/Engineering/Energy

Dhruba Dasgupta, "Optimization of Tandem Organic Photovoltaic Devices and Their Recombination Layers"

Nimit Gandhi, "Graphene-Based Infrared Detector"

Sanjit Kalapatapu, "Modeling a Newly Discovered Eclipsing Binary Star System Using Mid Eclipse Times"

Nikoo Karbassi, "Self-operated fan-cooled heat sink"

Jay Nair, "Different Ratios of P3HT: PCBM and PCPDTBT: PCBM on Bulk Heterojunction Organic Solar Cells"