

| First_Name | Last_Name | Institution | Student? | Session/Location/Time | Category | Title | Coauthor |
|-----------------|---------------|---------------------------------------|---------------|-----------------------|--|---|---|
| Brett | Baker | Southern Arkansas University | Undergraduate | III DW11 0930 | Computer Science | Employing Ensemble Learning for the Categorization of Android Malware Types | Rami Alroobi (Southern Arkansas University) |
| Khalil | Buckmire | University of Arkansas | Undergraduate | I DW8 1330 | Geosciences | Geothermal Energy Use and Potential for the Caribbean Nation of Grenada | Christopher L. Liner |
| Ben | Cash | University of Central Arkansas | No | II DW10 1530 | Reptile Physiology | Response to rapid habitat perturbation in the slider turtle (<i>Trachemys scripta</i>): Behavioral and hormonal effects. | |
| Rajib | Choudhury | Arkansas Tech University | No | I DW11 1415 | Chemistry | Exploring the potential of phenol derivatives: Charge transfer fluorophores and detection of protein in solution | Siddhi Patel (Arkansas Tech University); Kallie Mendenhall (Arkansas Tech University) |
| Ashley | Cotnam | University of Central Arkansas | Undergraduate | I DW11 1300 | Physics | Laser Trapping of Polysterene Beads Using Optical Tweezers | |
| Michael | Cruz | Harding University | Undergraduate | I DW8 1300 | Geosciences | Evaluation of a Micro Spectrometer for Satellite Missions | E. W. Wilson, Jr. (Harding University); Y. X. Chan, PI (University of Arkansas Little Rock); Adam Po-Hao Huang (University of Arkansas Fayetteville) |
| Taylor | Dague | University of Central Arkansas | Graduate | I DW12 1300 | Mathematics | The Effects of Selection History on Perceptual and Semantic Interactions in Visual Search | Caroline Dacus (University of Central Arkansas, Department of Biology); Ken Sobel (University of Central Arkansas, Department of Psychology & Counseling); Amrita Puri (University of Central Arkansas, Department of Biology) |
| Alaina | Edwards | University of Arkansas - Fayetteville | Undergraduate | I DW12 1330 | Mathematics, Computer Science, Physics | Performance Optimization of the CFD code for flow simulations | John McGarigal, Tulin Kaman (University of Arkansas) |
| Karen | Fawley | University of the Ozarks | No | II DW10 1600 | Biology, general | Phylogeny and Characterization of <i>Paraeustigmatos columelliferum</i> , an Arkansas alga that represents a new lineage of the Eustigmatales (Eustigmatophyceae) | Yvonne Nemcova (Charles University, Department of Botany, Prague, Czech Republic); Marvin Fawley (University of the Ozarks, Division of Mathematics and Sciences, Clarksville, Arkansas). |
| Andrew | Feltmann | University of Central Arkansas | Graduate | II DW13 1600 | Biology, general | EFFECT OF SELECTION AND GENETIC DRIFT ON PHENOTYPIC DIVERSIFICATION IN THE EASTERN COLLARED LIZARD. | Matthew Gifford (University of Central Arkansas); Emily Field (University of Central Arkansas) |
| Frank | Hahn, Ph.D. | Hampton University | No | II DW8 1500 | Chemistry | Comparative Lipidomics of Phospholipids in Ground Beef Extracts by GC-MS and MALDI-TOF MS | |
| Eliza | Hanson | John Brown University | Undergraduate | I DW11 1330 | Chemistry | Implicit and Explicit Solvation Studies of Small Molecules and Ions in Water | Dr. Jill Ellenbarger (John Brown University) |
| Jonathan | Hardage | Henderson State University | No | III DW10 0945 | Biology, general | New Angiosperm Records from Arkansas | Keenan Serviss (Arkadelphia, AR); Brook Olsen (Henderson State University); Brett Serviss (Henderson State University); and James Peck (Cedar Key, FL) |
| MdAriful | Hasan | Arkansas State University | Graduate | II DW11 1615 | Engineering | Corrosion Risks of Metal Culvert Pipes in Northeast Arkansas | Zahid Hossain (mhossain@atate.edu; Arkansas State University) |
| Mohammad Nazmul | Hassan | Arkansas State University | Graduate | II DW11 1545 | Engineering | Analysis of Asphalt Binders From Chemical Prospective | Zahid Hossain (mhossain@astate.edu; Arkansas State University) |
| Courtney | Hatch | Hendrix College | No | I DW8 1315 | Geosciences | Water adsorption on atmospheric clay minerals: Experimental and theoretical studies of indirect effects on climate | Paul R. Tumminello; Megan A. Cassingham; Annie L. Greenaway; Kenneth J. Harris; Matthew Christie; Rebecca Parham; and Karen Morris (Hendrix College) |
| Lionel | Hewavitharana | Southern Arkansas University | No | III DW13 0900 | Engineering | Experimental Investigation of Counter-Flow Heat Exchangers Exposed to Ambient Heat Leaks | Kenneth Escudero (Southern Arkansas University) |
| Newton | Hilliard | Arkansas Tech University | No | II DW8 1515 | Biochemistry/Molecular Biology | Proteomics of carbon fixation in <i>Halothiobacillus neapolitanus</i> | |
| Courtney | Holloway | University of Central Arkansas | Undergraduate | II DW8 1545 | Cell biology | Role of the DJ-1 Protein in Mitochondrial Dysfunction and Parkinson's Disease | Kari Naylor, Ph.D. (University of Central Arkansas) |
| Anthony | Holt | UACCM | No | II DW10 1615 | History and Conservation Biology | Blackroll Creek Runs North: A family farm history and its changes from the 1800s to the present | |

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| Michael | Howell | University of Arkansas at Little Rock | Graduate | III DW13 0930 | Aeronautics | Moore's law and space exploration: new insights and next steps | Michael Howell (University of Arkansas at Little Rock); Venkat Kodali(CARTI); Richard Segall(Arkansas State University); Hyacinthe Aboudja(Oklahoma City University); Daniel Berleant(University of Arkansas at Little Rock) |
| Jacob | Idec | Hendrix College | Undergraduate | I DW10 1415 | Biology, general | Explaining the Diversity and Evolution of Color in Ants Using the AntWeb Image Database | Brian Fisher (California Academy of Sciences) |
| Kazi | Islam | Arkansas State University | Graduate | II DW11 1530 | Engineering | Evaluation of Rice Husk Ash (RHA) as an Asphalt Modifier | Zahid Hossain (mhossain@astate.edu; Arkansas State University) |
| Drake | Jackson | Harding University | Undergraduate | I DW11 1315 | Chemistry | A Compact Raman Spectrometer Using Commercial Off the Shelf (COTS) Components | Brandun Barnett (Harding University); Edmond W. Wilson, Jr. (Harding University) |
| Russell | Jeffery | UCA | Undergraduate | I DW8 1345 | Engineering | Pointing Isn't Rude: A Proof-of-Concept HAB Stabilizer | |
| Jamie | Johnson | Hendrix College | Undergraduate | II DW13 1515 | Biology, general | Wild game consumption and greenhouse gas emission savings in the U.S. | Nathan Taylor; Benjamin Zamzow; Matthew Moran |
| Ragupathy | Kannan | University of Arkansas--Fort Smith | No | III DW8 0900 | Kim Smith Memorial Session | History and current status of the Inca Dove (Columbina inca) in Arkansas | |
| Chris | Kellner | Arkansas Tech University | No | III DW8 0915 | Kim Smith Memorial Session | Thermal ecology of prairie lizards in the Arkansas River Valley | |
| Donghoon | Kim | Arkansas State University | No | III DW11 0845 | Computer Science | How can you become a software engineer in prestigious companies? | |
| Britny | Kirkpatrick | Harding University | Undergraduate | II DW8 1615 | Medicinal Chemistry | Melanin Concentrating Hormone Receptor 1 (MCH1R) Antagonists for Treating Addiction | Jim Tarrant, Jacob Hatvany, Thomas Pencarinha |
| Clayton | Liddell | Arkansas State University | Undergraduate | III DW11 0830 | Computer Science | Analyzing the adoption rate of Local Variable Type Inference in open source Java 10 projects | Donghoon Kim (Arkansas State University Mentor) |
| Zezhang | Lin | UALR | Undergraduate | III DW11 0900 | Computer Science | Automatic Customization of Web Pages to Enhance User Experience | Dr. Chia-Chu Chiang(UALR) |
| Natalie | Lowry | John Brown University | Undergraduate | I DW11 1400 | Chemistry | Investigation Anion Interactions with Tripodal Urea-Based Anion Transporters | |
| Blake | Ludwig | Arkansas Tech University | Undergraduate | I DW11 1345 | Chemistry | Bond Valence / Bond Length Correlations for Phosphorus-Oxygen and Uranium-Oxygen Bonds | Kallie Mendenhall (Arkansas Tech University); Franklin D. Hardcastle (Arkansas Tech University) |
| Sarah | Martin | University of Central Arkansas | Graduate | II DW13 1530 | Biology, general | DETERMINATION OF BAT SPECIES' USE OF ARTIFICIAL BARK ENHANCED HABITAT IN NORTHERN ARKANSAS | |
| Chris | McAllister | Eastern OK St. College | No | III DW10 0845 | Parasitology | New Host and Distributional Records for Helminth Parasites (Trematoda, Cestoda, Nematoda) of Arkansas Reptiles (Testudines, Ophidia) | C. R. Bursey (Department of Biology, Pennsylvania State University, Shenango Campus, Sharon, PA 16146); T.J. Fayton (Lamar Fish Health Center, U.S. Fish and Wildlife Service, 400 Washington Avenue, Lamar, PA 16848); H.W. Robison (9717 Wild Mountain Drive, |
| Chris | McAllister | Eastern OK St. College | No | III DW10 0900 | Parasitology | Parasites (Apicomplexa, Trematoda, Nematoda, Phthiraptera) of Two Arkansas Raptors (Falconiformes, Strigiformes: Strigidae) | L.A. Durden (Department of Biology, Georgia Southern University, Statesboro, GA 30458); C.R. Bursey (Department of Biology, Pennsylvania State University, Shenango Campus, Sharon, PA 16146); J.A. Hnida (Department of Microbiology and Immunology, Midwester |
| Maureen | McClung | | No | III DW8 0830 | Kim Smith Memorial Session | Introduction to the session: Dr. Kimberly G. Smith's Legacy of Science and Conservation | |
| Maureen | McClung | Hendrix College | No | III DW8 0945 | Kim Smith Memorial Session | Recent studies on the behavioral responses of Arkansas wildlife to anthropogenic noise and the important questions we should be asking | |
| Christy | Melhart-Slay | | No | III DW8 0930 | Kim Smith Memorial Session | Drivers of global forest loss and what it means for Arkansas | |

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| Allison | Monroe | Hendrix College | Undergraduate | I DW10 1345 | Biology, general | Biodiversity of Hymenoptera Across Sky Islands of Arkansas | Oliver J. Kuhns (Hendrix College); Sierra C. Hubbard (Hendrix College); Reynol Rodriguez (Hendrix College); Maureen R. McClung (Hendrix College); Matthew D. Moran (Hendrix College); Michael W. Gates (Smithsonian National Museum of Natural History) |
| MM Tariq | Morshed | Arkansas State University | Graduate | II DW11 1600 | Engineering | Exploration of Alternative(s) of the Empirical and Expensive Tests to Characterize Bitumen | Zahid Hossain (mhossain@astate.edu; Arkansas State University) |
| Kevin | Nordengren | Henderson State University | No | II DW10 1500 | Biology, general | Observations of an Alligator (<i>Alligator mississippiensis</i>) nest and Hatchlings in Clark, County, with anecdotal observations of other Alligator Nests in Arkansas | Allison Surf (Department of Biological Sciences, Henderson State University, Arkadelphia, AR 71999); Kevin Nordengren (Department of Biological Sciences, Henderson State University, Arkadelphia, AR 71999); Renn Tumilson (Department of Biological Sciences, |
| Henry | North | Harding University | No | II DW8 1630 | Chemistry | The Essentiality of the Vinyl Proton in Anticonvulsant Enaminones | Mariano S. Alexander (Howard University), Kenneth R. Scott (Howard University) |
| Caleb | O'Neal | Harding University | Undergraduate | II DW13 1545 | Biology, general | Spatial Ecology of Mud Snakes (<i>Farancia abacura</i>) in a Small Isolated Pond Within a Bottomland Hardwood Forest | Michael V. Plummer; Ryan Stork; Steven M. Cooper |
| Mitchell | Pruitt | University of Arkansas | Graduate | III DW8 0845 | Kim Smith Memorial Session | Winter occurrence and habitat use of Northern Saw-whet Owls (<i>Aegolius acadicus</i>) in northwestern Arkansas | Kimberly G. Smith (University of Arkansas) |
| Mosammat Briti | Rabbani | University of Arkansas at Pine bluff | Graduate | II DW13 1500 | Plant Science | DEVIATION OF ANTIOXIDANT CAPABILITY OF COLORED SWEETPOTATOES AND ITS UPPERS IN RELATION TO POLYPHENOLIC CONTENTS | Shahidul Islam |
| Mason | Rostollan | University of Central Arkansas | Graduate | II DW13 1615 | Biology, general | Integration of Mixed Methods into Community-Based Participatory Research (CBPR): A Methodological Approach and Health-Centered Case Study | Mason Rostollan; Leah Horton (University of Central Arkansas) |
| Sumon | Roy | Arkansas State University | Graduate | II DW11 1515 | Engineering | Examining Molecular Level of Properties of Asphalt Binders to Predict Their Moisture-Induced Damage | Zahid Hossain (mhossain@astate.edu; Arkansas State University) |
| Tanim | Sardar | Arkansas Tech University | Graduate | III DW11 0915 | Computer Science | Cyber Security Awareness Training Program for University Students | Luay A. Wahsheh (Arkansas Tech University) |
| Tamal | Sarkar | Arkansas State University | Graduate | III DW13 0845 | Engineering | Electromagnetic tunability of charged particles in altered dielectric systems | Brandon A. Kemp, PhD (Arkansas State University) |
| Blake | Sasse | Arkansas Game and Fish Commission | No | III DW10 0830 | Biology, general | Long-tailed weasel (<i>Mustela frenata</i>) status and distribution survey in Arkansas | SD Johnson (Tennessee Tech University) and RE Kissell Jr. (Tennessee Tech University). Note -Order authors as Johnson, Sasse, Kissell with Sasse presenting) |
| Rajesh | Sharma | Arkansas State University | No | III DW13 0830 | Engineering | Cadmium Sulfide-buffered PV Systems: Assessing the Environmental, Health, and Economic Impacts | Maqsood Ali Mughal, Electrical and Computer Engineering Department, Worcester Polytechnic Institute, Worcester, MA 01609, USA |
| Caralee | Shepard | Hendrix College | Undergraduate | I DW10 1330 | Biology, general | New state records for the Texas frosted elfin (<i>Callophrys irus</i> hadros) and its host plants (<i>Baptisia</i> spp.) | Leah C. Crenshaw (Hendrix College); Natalie E. Phelan (Hendrix College); Melissa Lombardi (US Fish & Wildlife Service); William H. Baltosser (University of Arkansas at Little Rock) ; Maureen R. McClung (Hendrix College); Matthew D. Moran (Hendrix College) |
| John | Sisco | Arkansas Tech University | Undergraduate | II DW8 1600 | Genetics | Gene Expression Study of Sodium β Toxins on <i>Centruroides vittatus</i> (genus/species wouldn't allow me to italicize) | Chloe Fitzgerald; Grace Rice (Arkansas Tech University) |
| Logan | Sublett | University of Arkansas | Graduate | I DW12 1315 | Mathematics | Initial Conditions for Numerical Simulations of Richtmyer-Meshkov Instability | Tulin Kaman; Alaina Edwards; John McGarigal |
| Stan | Trauth | Arkansas State University (Emeritus) | No | II DW10 1515 | Biology, general | Bilateral Diaphyseal Chondrodysplasia and Polymorphic Osteodysplasia | |

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| Stan | Trauth | Arkansas State University (Emeritus) | No | II DW10 1545 | Biology, general | Age Estimation using Phalangeal Skeletochronology in Northern Crawfish Frogs, Lithobates areolatus circulosus (Amphibia: Anura: Ranidae), from Arkansas | |
| Brianna | Trejo | University of Central Arkansas | Graduate | I DW10 1315 | Biology, general | Energy allocation patterns in a girdling and a non-girdling caterpillar | David Dusourd (University of Central Arkansas); Matthew Gifford (University of Central Arkansas) |
| Renn | Tumlison | Henderson State University | No | III DW10 0915 | Biology, general | Occurrence of the Sinus Nematode Skrjabinylus sp. (Nematoda: Metastrongyloidea) Inferred from Nasal Lesions in Arkansas Mustelidae and Mephitidae | R. Tumlison (Department of Biological Sciences, Henderson State University, Arkadelphia, AR, 71999); T. L. Tumlison (367 Mt. Zion Rd., Arkadelphia, AR 71923) |
| Renn | Tumlison | Henderson State University | No | III DW10 0930 | Biology, general | Vertebrate Natural History Notes from Arkansas, 2019 | R. Tumlison (Department of Biological Sciences, Henderson State University, Arkadelphia, AR 71999); C.T. McAllister (Division of Science and Mathematics, Eastern Oklahoma State College, Idabel, OK 74745); H.W. Robison (9717 Wild Mountain Drive, Sherwood, OK 74745); Luke H. Lefler (Hendrix College); Krishna Patel (Hendrix College); Carolina Kirksey (Hendrix College); Adam Turner (Hendrix College); Matthew D. Moran (Hendrix College) |
| Sofie | Varriano | Hendrix College | Undergraduate | I DW10 1330 | Biology, general | The synergistic relationship of bison grazing and arthropod herbivory in structuring a tallgrass prairie plant community | |
| Sumit | Verma | University of Arkansas, Fayetteville | Graduate | II DW11 1500 | Engineering | Flow dependency upon the convection region height of a CFD Tornado simulator | Sumit Verma, R. Panneer Selvam (University of Arkansas) |
| Luay | Wahsheh | Arkansas Tech University | No | III DW11 0915 | Computer Science | Cyber Security Awareness Training Program for University Students | Tanim Sardar |
| Grace | Wills | Henderson State University | Undergraduate | I DW10 1300 | Biology, general | The Reproductive Season of the Highland Stoneroller, Campostoma spadiceum, Evidenced by Museum Specimens | Renn Tumlison (Henderson State University); Henry Robison; Grace Wills (Henderson State University) |
| T | Yamashita | ATU | No | II DW8 1530 | Biochemistry/Molecular Biology | Scorpion toxin proteomics: Sodium toxin gene identification, isolation, and protein overexpression | |
| Margaret | Young | Hendrix College | Undergraduate | II DW13 1630 | Biology, general | Estimating cultural ecosystem services provided by the Buffalo National River using a contingent valuation method | Margaret A. Young (Hendrix College); Maureen R. McClung (Hendrix College); Matthew D. Moran (Hendrix College); William Haden Chomphosy (Hendrix College) |
| Kaiman | Zeng | Arkansas Tech University | No | III DW13 0915 | Engineering | Design and Development of a Vision based Lane Keeping | Michael Langley; Nasser Alshahrani |