



ASMS

ALABAMA SCHOOL
OF MATHEMATICS AND SCIENCE

FACULTY RESUME

**EDUCATING
ALABAMA'S
FUTURE LEADERS,
SCHOLARS, AND
INNOVATORS
SINCE 1989**

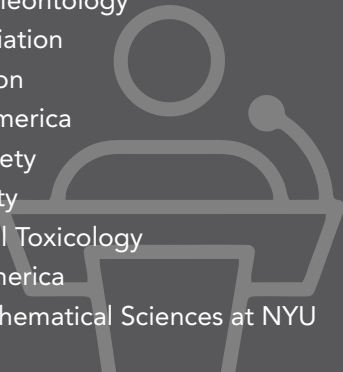
Award-Winning Educators: National & Local

- 3 Golden Apple Excellence in Teaching Awards
- 4 National Board-Certified Teachers
- Cybersecurity Teacher of the Year Award
- German Language Teacher of the Year Award
- Distinguished Dissertation Awards
- Excellence in Teaching Award
- Travel Award (Best Poster) - Susan A. Siltanen GRS at USM
- Best Teacher - Alabama Germany Partnership
- Art Teacher of the Year Award
- Gaunder Teaching Excellence Award - University of North Alabama
- Two-Time National Champion: Toshiba/NSTA ExploraVision Competition
- National Center for Women & Information Technology Award



Featured Presenters at Regional & National Conferences

- National Consortium of Secondary STEM Schools
- South Atlantic Modern Language Association
- Conference on Teaching and Learning
- Society of Vertebrate Paleontology
- American Culture Association
- Foreign Policy Association
- Geological Society of America
- American Chemical Society
- Material Research Society
- Society of Environmental Toxicology
- Ecological Society of America
- Courant Institute of Mathematical Sciences at NYU

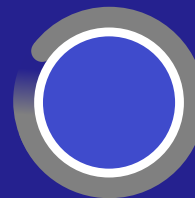


Presenting With Our Students

- Northeast Popular Culture Association
- Popular Culture Association of the South
- Alabama Academy of Science
- American Physical Society
- LSU English Graduate Student Association
- Southern Studies Conference

OVER 30 YEARS OF ACADEMIC EXCELLENCE

Degrees



100%
OF FACULTY
have a Ph.D. or
master's degree



66%
OF FACULTY
have a Ph.D.
in their field
of instruction



100%
OF FACULTY
are considered
content experts



Industry



60% of faculty have industry and professional experience outside of teaching in fields such as engineering, marketing, and publishing.

Making Scientific Contributions

- Identified properties of hydrogen that can cut down on the price of devices by using eco-friendly, cheaper, and more easily available amorphous material
- Mentored student researchers in developing new innovations such as self-immunizing joint replacements and CiliaBuilder hearing implants, winning national championships in the Toshiba/NSTA ExploraVision competition
- Discovered a new species of giant fossil turtle in Alabama that lived alongside dinosaurs 83 million years ago
- Awarded an NOAA grant to develop a Sea-Level Rise Curriculum now used in classrooms around Alabama
- Received an Ingalls Shipbuilding grant to detect air pollution and analyze air quality throughout Alabama



90% of faculty have taught at the college level prior to teaching at ASMS.



THE UNIVERSITY OF MISSISSIPPI

THE UNIVERSITY OF ALABAMA



UNIVERSITY OF LOUISVILLE



THE UNIVERSITY OF SOUTHERN MISSISSIPPI

Special Certifications Earned by Faculty

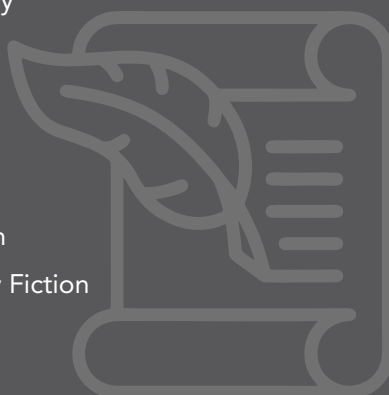
- Associate-Level certification in STEM education - Center for the Integration of Research, Teaching, and Learning
- Responsible Conduct of Research certification - CITI Program



- Scientific Diver – American Academy of Underwater Scientists
- NOAA Facilitator - National Oceanic & Atmospheric Administration
- National WWII Museum Certified Teacher

Published in Major Academic Journals

- Journal of Systematic Paleontology
- Historical Biology
- The Anatomical Record
- Journal of Physics
- Royal Society of Chemistry
- The Chronicle of Higher Education
- Critique: Studies in Contemporary Fiction
- White House Studies
- Journal of Psychohistory



- PLOS ONE FEMS Microbiology Ecology
- Biogeochemistry
- Bulletin of Marine Science
- Physical Review Letters
- Physical Review A
- Journal of Physics B
- Journal of Physical Chemistry C
- Journal of Materials Chemistry C
- Aquatic Microbial Ecology