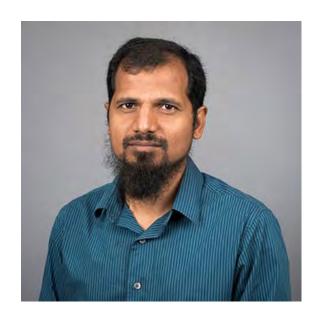


### College of Sciences & Mathematics Newsletter October 2022

# CoSM Faculty Spotlight Alam Studies Domino Reaction Development

An invited perspective by **Dr. Mohammad A. Alam**, associate professor of chemistry, was published in *Current Organic Chemistry*. In "Domino/Cascade and Multicomponent Reactions for the Synthesis of Thiazole Derivatives," Alam discusses the development of various domino reactions to synthesize thiazole derivatives.





### CoSM Faculty Spotlight Research by Izadyar and Team is Published

Dr. Anahita Izadyar, associate professor of chemistry, is corresponding author of an article published in the Journal of the Biocatalysis and Agricultural Biotechnology. The title is "Electrocatalytic effect of recombinant Mn peroxidase from corn on microbiosensors to detect glucose." The co-authors are Dr. Elizabeth E. Hood, emeritus professor of agriculture, and undergraduate students My Ni Van, Marcela Miranda and Scout Weatherford.

## Lorence's Research Featured in Guardian

Dr. Argelia Lorence, professor of metabolic engineering, and her research into climate impact on rice production were highlighted in a *Guardian* article. NBC News is producing a follow-up. Also, Lorence and Dr. Karina Medina-Jimenez, Arkansas Biosciences Institute, co-edited a book written by research teams from the U.S., Mexico, Canada, Chile and Spain. Each chapter, including two from Lorence's team, describes a step-by-step protocol for high throughput plant phenotyping.





#### Alam, Gilmore Co-Author Article

**Dr. Mohammad Alam**, associate professor of chemistry (left) and Dr. **David Gilmore**, emeritus professor of microbiology (right), are co-authors of an article in *Antibiotics*, in which they reported the development of pyrazole derivatives as potent antibacterial agents.

# Kays Foundation Approves Augusto Proposal

Andressa Alves Augusto, research associate, Ecotoxicology Research Facility, wrote a successful proposal to the Kays Foundation for a \$11,862 grant to modernize the facility's fish culturing infrastructure. The grant will support a plumbing upgrade and renovations to the equipment used for culturing. The project will be evaluated by comparing fish health, using data collected before upgrade and post-upgrade, along with time spent culturing.



#### Contact Us

**A-State Alumni Association**Cooper Alumni Center
2600 Alumni Blvd.

P.O. Box 1990



State University, AR 72467

Phone: (870) 972-2586 Toll-Free: (888) 225-8343 alumni@AState.edu



College of Sciences & Mathematics PO Box 1030, State University, AR 72467 United States Unsubscribe