



College of Sciences & Mathematics Newsletter  
September 2021

CoSM Faculty Spotlight  
**Izadyar and Team  
Fabricate Glucose  
Sensor**

**Dr. Anahita Izadyar**, associate professor of chemistry, is the lead author of an [article published](#) in the *Journal of Electroanalytical Chemistry*. Co-authors are **Dr. Elizabeth E. Hood**, Lipscomb distinguished professor, **Dr. Ilwoo Seok**, associate professor of mechanical engineering, and undergraduate students **My Ni Van** and **Kayleigh Amber Rodriguez**. In the article, they describe the fabrication of a glucose sensor. Funding was provided by Arkansas Biosciences Institute.

---





## COSM Faculty Spotlight

### Neuman-Lee Co-Authors Two Articles

Two collaborative articles co-authored by Dr. Lori A. Neuman-Lee, assistant professor of physiology, have been published. The [article](#) in *General and Comparative Endocrinology* provides evidence that hair samples from polar bears can be collected non-invasively to monitor reproductive cycles, critical for assessing population change due to climate change. In [Plos One](#), the researchers found that increased levels of stress among fishers, a threatened carnivore in California, were correlated with lower survival rates.

---

## CoSM Faculty Spotlight Alam is PI for Major Research Grant from NSF

Dr. Mohammad A. Alam, associate professor of chemistry, and research colleagues have been [awarded a National Science Foundation Major Research Instrumentation \(MRI\) grant](#) of \$345,935 to purchase 400 MHz nuclear magnetic resonance equipment. This state-of-the-art equipment will increase the capabilities of several research groups related to organic chemistry, medicinal chemistry, natural product chemistry, and material science.

---





## CoSM Faculty/Student Spotlight

# Medina-Bolivar and Students Receive Awards

**Dr. Fabricio Medina-Bolivar**, professor of plant metabolic engineering, gave an invited keynote address on “Natural Prenylated Resveratrol Analogs: Bioproduction and Biological Activities” at the American Council for Medicinally Active Plants (ACMAP) annual conference. Six members of his research team also made presentations. Graduate students **Rokib Hasan** and **Sepideh Mohammadhosseinpour** won first place for their oral and poster presentations, respectively, and undergraduate student **Izzeldin Ahmed** received second place for his poster presentation

---

## CoSM Faculty Spotlight

# Lorence Presents in Project Scope Series

**Dr. Argelia Lorence**, professor of metabolic engineering, made an online presentation this month in the Project Scope series produced by the Arkansas Research Alliance (ARA). Lorence, an ARA Academy member, discussed her research into stress on rice production resulting from high night air temperatures. She and her colleagues are collecting data and developing solutions.





## 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](mailto:alumni@AState.edu)



A-State College of Sciences & Mathematics  
PO Box 1030,  
State University, AR 72467 USA  
[Unsubscribe](#)