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Message from the Faculty Editor

Mary Savin

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A Message from the Faculty Editor

Welcome to the 18th issue of *Discovery*, the journal that provides a venue for undergraduate students to disseminate their accomplishments in research and creative projects. This is my eighth year as faculty editor, and the projects that our students complete get more interesting each year, while the manuscripts they write continue to showcase their talents. This year's diversity of creative projects and research should make all Bumpers students, faculty, staff, and family proud.

This issue of *Discovery* contains 12 articles written by undergraduate student authors representing four departments and three programs in the School of Human Environmental Sciences working with 25 mentors from Bumpers College and across the University of Arkansas.

I invite everyone to read and reflect upon these projects and contributions, where you will find articles on

- Creative projects simultaneously advancing innovation and sustainability in the fashion industry from use of 3-D printing to guidance on how to construct cosplay costumes rather than waste materials;
- Investigations benefiting people's health including learning about chemicals in peanuts with properties to help prevent cancer, and how people's continued desire for low fat content beef may be related to ability to choose beef based on visual cues rather than preference for characteristics of cooked meat;
- How the strategy of love-bombing, or use of excessive communication at the beginning of a romantic relationship for power and control, relates to those with narcissistic tendencies and low self-esteem;
- Analyses benefitting localized communities, including 1) savings resulting from serving portioned compared to unrationed meals and snacks in a daycare setting, 2) evaluation of crop diversification strategies to reduce risk and increase food security in Mozambique, 3) information to help local beekeepers market products in Arkansas, and 4) the feasibility of Arkansas hemp production;
- Evaluation of genetic markers in cattle for association with meaningful physical traits and determination of the benefits of incorporating genetic information in breed selection for pasture production systems, and finally a method evaluation so that researchers can use the best approaches to advance cutting-edge science in animal health.

Please join me in wishing the best for all Bumpers College students as they complete their undergraduate degrees at the University of Arkansas and embark on their careers to become leaders, innovators, policy makers, and entrepreneurs in their professional careers.



Mary Savin

A handwritten signature in black ink that reads "Mary C. Savin". The signature is written in a cursive, flowing style.

Mary Savin, *Discovery* Faculty Editor
Professor of Microbial Ecology, Department of
Crop, Soil, and Environmental Sciences