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Letter from the Dean

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Lona Robertson

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Letter from the Dean

Proudly Presenting Life-Changing Work and Research Experiences of Our Students

The *Discovery* undergraduate journal promotes the abilities of our students by highlighting work and research they have completed inside and outside the classroom with the help of our outstanding faculty in a citable publication.

Completing these projects helps prepare our students for professional careers in the areas of food, agriculture, the environment, and human quality of life.

Projects can be designed to meet requirements for an honors thesis in the Bumpers College Honors Program and some have been funded by our Undergraduate Creative Projects/Research Grants Program.

This issue provides studies from different departments and concentrations within the Bumpers College.

Inside, you will discover:

- the impact and role of women in the state's agricultural industry over the last 10 years
- the effect of shade on fruiting blackberries in a controlled environment
- how protein for breakfast impacts energy metabolism, metabolic health and food intake
- how precision field data can be used for more efficient combine harvesting
- the results of a comparison growth study on goats fed calcium from different sources
- an evaluation of harvest and storage temperatures on the firmness and incidence of red drupelet reversion development of blackberries
- an evaluation of a streambank restoration project at Fayetteville's Botanical Garden of the Ozarks
- studies on fertility in beef heifers, the use of the nuclease I-SceI in excising selectable marker genes from plant genomes and the status of the Northern Saw-whet owl in Arkansas

Congratulations to the student authors, and thank you to the faculty mentors and editors who made this research and this year's journal possible. We are pleased and proud to present this work as a service to you and all our readers.



Lona Robertson

A handwritten signature in black ink that reads "Lona Robertson". The signature is fluid and cursive, matching the printed name below it.

Lona Robertson, Interim Dean
Dale Bumpers College of Agricultural, Food
and Life Sciences