

Discovery, The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences

Volume 22

Article 2

Fall 2021

Contents

Discovery Editors

Follow this and additional works at: <https://scholarworks.uark.edu/discoverymag>



Part of the [Agribusiness Commons](#), [Agricultural Economics Commons](#), [Agricultural Education Commons](#), [Agronomy and Crop Sciences Commons](#), [Animal Sciences Commons](#), [Botany Commons](#), [Communication Commons](#), [Entomology Commons](#), [Environmental Studies Commons](#), [Food Science Commons](#), [Home Economics Commons](#), [Horticulture Commons](#), and the [Nutrition Commons](#)

Recommended Citation

Editors, D. (2021). Contents. *Discovery, The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences*, 22(1), 1-2. Retrieved from <https://scholarworks.uark.edu/discoverymag/vol22/iss1/2>

This Front Matter is brought to you for free and open access by ScholarWorks@UARK. It has been accepted for inclusion in *Discovery, The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences* by an authorized editor of ScholarWorks@UARK. For more information, please contact scholar@uark.edu.

DISCOVERY

The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences

Vol. 22

Fall 2021

Beth Kegley
Faculty Editor
ekegley@uark.edu

Gail Halleck
Managing Editor
ghalleck@uark.edu

Deacue Fields

Dean
Dale Bumpers College of Agricultural,
Food and Life Sciences
University of Arkansas System
Division of Agriculture

Lona J. Robertson
Associate Dean
Dale Bumpers College of Agricultural,
Food and Life Sciences

Jean-François Meullenet
Senior Associate Vice President for
Agriculture–Research
and Director
Arkansas Agricultural Experiment Station
University of Arkansas System
Division of Agriculture

Discovery is published annually by the
University of Arkansas System
Division of Agriculture
<https://division.uada.edu/>
and Dale Bumpers College of
Agricultural, Food and Life Sciences.
<https://bumperscollege.uark.edu/>

The University of Arkansas System Division of
Agriculture offers all its Extension and Research
programs and services without regard to race, color,
sex, gender identity, sexual orientation, national
origin, religion, age, disability, marital or veteran
status, genetic information, or any other legally
protected status, and is an Affirmative Action/Equal
Opportunity Employer.

Contents

Undergraduate Research Articles

- [Baseline Sensitivity to Demethylation Inhibitor Fungicides in *Cercospora* spp. and *Corynespora* spp. in Arkansas Soybeans](#)
[Evan Buckner and Alejandro Rojas](#) 8
- [Creating a Culturally Competent Children’s Library](#)
[Rachel Burger, Donia Timby, Jacquelyn D. Wiersma-Mosley, Laura Herold, and Shelley McNally](#)..... 15
- [Willingness-to-Pay for Halal and Branded Poultry in Northern Mozambique](#)
[Alison Creasey and Lawton Lanier Nalley](#)..... 23
- [Needs of Foster Parents and Children](#)
[Emma Friemel, Amanda Terrell, Jennifer Becnel, and Michael Merten](#)..... 30
- [Effects of a Low Crude Protein Diet With and Without *Spirulina platensis* Inclusion on White Blood Cell Profiles in Broilers](#)
[Heather Glenn, Garrett J. Mullenix, and Gisela F. Erf](#) 38
- [The Role of Peer Irrigators on the Choice and Intensity of Use of Irrigation Techniques](#)
[Noah Hayward and Kent Kovacs](#)..... 45
- [Exploring How Maternal Phosphorus Status Affects Calf Growth and Performance](#)
[Elizabeth Lafferty, Beth Kegley, Brittini Littlejohn, and Jeremy Powell](#)..... 53
- [The Effect of Whey Protein Supplementation at Breakfast on Tryptophan Levels, Food Intake, and Mood in Postmenopausal Women in a 16-Week Randomized Controlled Trial](#)
[Danielle L. Lamont and Jamie I. Baum](#) 60

Cover: Features the research of Bumpers student Evan Buckner, a crop science major, who studied plant pathology in soybeans. Evan and Dr. Rojas, his faculty mentor, discuss their research relationship on pages 5–6. Evan plans to continue his studies in a Ph.D. Program in the Department of Plant Pathology and Environmental Microbiology at Pennsylvania State University.



DISCOVERY

The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences

Vol. 22

Fall 2021

Editorial Board

Fred Dustan Clark

Distinguished Professor
Department of Poultry Science
fdclark@uark.edu

Ashley P.G. Dowling

Associate Professor
Department of Entomology
adowling@uark.edu

Luke Howard

Professor
Department of Food Science
lukeh@uark.edu

Don Johnson

Professor
Department of Agricultural Education,
Communications and Technology
dmjohnso@uark.edu

Michael P. Popp

Professor
Department of Agricultural
Economics and Agribusiness
mpopp@uark.edu

Mary Savin

Professor
Department of Crop, Soil,
and Environmental Sciences
msavin@uark.edu

[Long-Term Changes in Soil Surface Properties as Affected by Management Practices in a Wheat-Soybean, Double-Crop System](#)

[Machaela L. Morrison and Kristofor R. Brye](#)..... 67

[Developing Cultural Competence Among 4-H Leaders](#)

[Breanna Lewis Wade, Devin Boggs Riley, Jacquelyn D. Wiersma-Mosley, and Betsy Garrison](#) 75

[Call For Papers](#)..... 82

[Instructions for Authors](#) 83