

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

Volume 19

Article 2

Fall 2018

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](#), [Family and Consumer Sciences Commons](#), [Food Science Commons](#), [Horticulture Commons](#), and the [Nutrition Commons](#)

Recommended Citation

Editors, D. (2018). Contents. *Discovery, The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences*, 19(1), 1-2. Retrieved from <https://scholarworks.uark.edu/discoverymag/vol19/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, uarepos@uark.edu.

DISCOVERY

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

Vol. 19

Fall 2018

Mary Savin
Faculty Editor

Gail Halleck
Managing Editor

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
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.uaex.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

- Nutraceutical snack prepared from sprouted rough rice and green gram and its physicochemical properties and in vitro glycemic index
Rachel M. Browder, Navam Hettiarachchy, and Ronny Horax..... 6
- Evaluating consumer sensory and compositional attributes of Arkansas-grown fresh-market blackberries
Aubrey N. Dunteman, Renee T. Threlfall, John R. Clark, and Margaret L. Worthington 16
- Predicting kidding date using pre-partum milk calcium concentrations and comparing kid growth to colostrum quality in goats
Justin M. Hamm and Jason Apple..... 24
- Agricultural information needs and food access in the Stann Creek district of Belize
Sam E. Harris and Donna L. Graham 31
- Importance of portfolio building for students with creative majors
Zoë Lauer and Casandra Cox..... 38
- Impact of teat order on feed consumption in swine from birth to nursery
Callan A. Lichtenwalter, Jason K. Apple, Elizabeth B. Kegley, and Tsung Cheng Tsai..... 46
- Characterization of short-grain rice cultivars grown in Japan, California and Arkansas
Michiyo Nishiwaki, Eric Lii, Andy Mauromoustakos, and Ya-Jane Wang..... 53
- Ripeness attributes of Arkansas-grown peaches and nectarines at harvest and during postharvest storage
Mary Siebenmorgen, Renee T. Threlfall, and Margaret Worthington 61
- Soil organic carbon and mineralization rates at the Woolsey Wet Prairie mitigation site in Fayetteville, Arkansas
Zachary Tipton, Lisa S. Wood, Mary C. Savin, and Benjamin R.K. Runkle 71



Double Cover: Features the collaborative research projects between the Departments of Horticulture and Food Science of Mary Siebenmorgen et al., which looks at the ripeness attributes of Arkansas-grown peaches and nectarines, and Aubrey Dunteman et al., which evaluates consumer sensory and compositional attributes of Arkansas-grown fresh-market blackberries. Photo credits: Paula Siebenmorgen (peaches) and Brendan Krause (blackberries).

DISCOVERY

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

Vol. 19

Fall 2018

Editorial Board

Nick Anthony
Professor
Department of Poultry Science
nanthony@uark.edu

John R. Clark
Distinguished Professor
Department of Horticulture
jrclark@uark.edu

Ashley P.G. Dowling
Associate Professor
Department of Entomology
adowling@uark.edu

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

Elizabeth B. Kegley
Professor
Department of Animal Science
ekegley@uark.edu

Andy Proctor
University Professor
Department of Food Science
aproctor@uark.edu

Kathleen R. Smith
Assistant Director and
Clinical Associate Professor
Apparel Merchandising and
Product Development
School of Human and
Environmental Sciences
kasmith@uark.edu

Call For Papers 81

Instructions for Authors..... 82