

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

Volume 7

Article 2

Fall 2006

Contents

Discovery Editors

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

Recommended Citation

Editors, Discovery (2006) "Contents," *Discovery, The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences*. University of Arkansas System Division of Agriculture. 7:1-1.

Available at: <https://scholarworks.uark.edu/discoverymag/vol7/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, cmiddle@uark.edu.

DISCOVERY

The Student Journal of the Dale Bumpers College of Agricultural, Food and Life Sciences
Vol. 7, Fall 2006

John R. Clark
Faculty Editor

Camilla Crone
Managing Editor

Duane C. Wolf
Director,
College Honors Program

Honors Committee

Bruce Ahrendsen
Gisela Erf
Frank Farmer
Navam Hettiarachy
Donald M. Johnson
Donn T. Johnson
Curt Rom
Craig Rothrock
Kathleen R. Smith
Susan Takigiku
Tom Yazwinski

Ex officio: Dean Donna Graham

Gregory J. Weidemann
Dean, Dale Bumpers College of
Agricultural, Food and Life Sciences,
and Associate Vice President for
Agriculture-Research, University of
Arkansas Division of Agriculture

Donna L. Graham
Associate Dean for
Academic Programs, Bumpers College

Richard Roeder
Associate Director, Arkansas
Agricultural Experiment Station, and
Associate Dean for Research, Bumpers
College

Contents

Undergraduate Research Articles

Evaluation of water-retention ability of eastern Arkansas prairie and agricultural soil <i>Maria L. Barrenechea and Kristofor R. Brye</i>	3
Combined inhibitory effect of nisin with EDTA against <i>Listeria monocytogenes</i> in soy-protein edible coating on turkey frankfurters stored at 4°C and 10°C <i>Emily Bennett, T. Sivarooban, N. S. Hettiarachy, and M. G. Johnson</i>	8
Infiltration and short-term movement of nitrogen in a silt-loam soil typical of rice cultivation in Arkansas <i>Lindsay M. Copenhaver, Mary C. Savin, David M. Miller, Peter J. Tomlinson, Kristofor R. Brye, and Richard J. Norman</i>	14
Effects of grain by-products as supplements for stocker cattle grazing bermudagrass <i>Tyler E. Davis, Elizabeth B. Kegley, Kenneth P. Coffey, Wayne K. Coblenz, Robin K. Ogden, and J. A. "Pete" Hornsby</i>	19
Adventitious shoot propagation and cultural inputs in nursery production of a primocane-fruited blackberry selection <i>Kimberley Dennis, John R. Clark, and James A. Robbins</i>	27
Initial evaluation of novel preparations of <i>Bordetella avium</i> by determination of antibody response titers <i>Joel L. Gallagher, Stacy E. Higgins, Luc Berghman, Billy M. Hargis</i>	32
Effects of tank mixes of MON 3539 and selected compounds in RoundupReady Flex® cotton – 2005 <i>Jarrod T. Hardke, Gus M. Lorenz, Kyle Colwell, and Craig Shelton</i>	40
Water quality issues in the Illinois River watershed: A proposal for new voluntary incentives <i>Tory B. Hodges and Jennie S. Popp</i>	47
Estimating surface runoff in the Illinois River Basin for the management of nonpoint-source phosphorus loads <i>Adam T. McClymont, Mary C. Savin, and Brian E. Haggard</i>	51
A tool for estimating Best Management Practice effectiveness in Arkansas <i>Katherine R. Merriman, Margaret Gitau, and Indrajeet Chaubey</i>	57
Drying of post-harvest rough rice with silica gel: A preliminary investigation <i>Stephen J. O'Brien and T. J. Siebenmorgen</i>	66
Instructions for Authors	71



UNIVERSITY OF ARKANSAS
DIVISION OF AGRICULTURE



UNIVERSITY of ARKANSAS
1871

Cover: Sparkling spring-fed waterfalls—that in under three miles feed the Illinois River—pour through karst geology at Natural Falls State Park, some eight miles west of Siloam Springs, Arkansas.
(Photo by Fred Miller)