

A. Douglas Worsham Weed Science Lecture Series

Model Weeds for Adaptation to Rising Temperature and [CO₂]

Dr. Nilda Roma Burgos

Professor, Weed Physiology

Department of Crop, Soil and Environmental Sciences

University of Arkansas

Thursday, November 21, 2019

2405 Williams Hall

Host: David Jordan

Refreshments at 2:45 pm

Seminar at 3:00 pm

Contact:

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Dr. Nilda Roma Burgos

Dr. Nilda Burgos received a B.S. Agriculture-Soil Science degree from the Visayas State College of Agriculture, Philippines in 1983 and her M.S. and Ph.D. degrees in Agronomy from the University of Arkansas, Fayetteville in 1994 and 1997, respectively. She was Field Biologist for Zeneca Ag Products from 1997–1998 and served as Faculty at the University of Arkansas since October 1998. Dr. Burgos conducts research on basic and applied aspects of weed physiology, molecular weed biology, and weed management; specifically, herbicide-resistant weeds; gene flow; evolution of weedy traits; weed population genetics; management options for weedy and volunteer rice; and weed management options for specialty crops. She has taught Principles of Weed Control, Weed Physiology and Herbicide Resistance in Plants, Physiology of Plant-Herbicide interaction, Ecology and Morphology of Weedy and Invasive Species; team taught Weed Science Practicum and co-coached the University of Arkansas Weed Team, and Advanced Crop Science.

Dr. Burgos was one of the pioneering UA Faculty Team that established the Global Community Development Service Project in Belize in 2006 and served as mentor for students participating in this program from 2007 to 2011. She also initiated the International Research Experience Program for the UA College of Agriculture, which was launched in 2012. Dr. Burgos has served as resource speaker and invited lecturer for seminars, trainings, workshops, or conferences in the US and other countries including Bolivia, Brazil, China, Costa Rica, India, Indonesia, Nicaragua, Malaysia, Peru, Thailand, the Philippines, Uruguay, and Vietnam. She has served as Major Advisor or co-Advisor of more than 40 students.

Dr. Burgos led the assembly and co-edited the Special Issue on Research Methods in Weed Science. She was elected as Secretary-Treasurer of the International Weed Science Society (2008–2012), Vice-President of IWSS for 2012–2016, and President of IWSS for 2016–2020. She has authored and co-authored 105 refereed journal articles, 3 books; 7 book chapters; >175 published abstracts. She was elected Fellow of the Weed Science Society of America in 2017.

The A. Douglas Worsham Weed Science Lecture Series

The *Weed Science Program in Plant, Insect, Microbe and Soil Systems* of the College of Agriculture and Life Sciences announces the implementation of a lecture series designed to enhance collaboration among weed scientists at North Carolina State University and others involved in the understanding and management of weeds. The lecture series is named in honor of Dr. Arch Douglas Worsham who had a distinguished career as a weed scientist at North Carolina State University for many years. Dr. Worsham impacted many students at both undergraduate and graduate levels and served many others during his career. Dr. Worsham has long been considered a unifying figure among weed scientists at North Carolina State University. Dr. Worsham began his career at North Carolina State University in 1960 after receiving BS and MS degrees in Agronomy from the University of Georgia and his PhD in Crop Science from North Carolina State University. His research focused on witchweed (*Striga asiatica*) management, no-tillage systems, and many other important aspects of sustainable weed management. Dr. Worsham made significant contributions to the North Carolina Agricultural Extension Service (now the Cooperative Extension Service) and was the instructor of the undergraduate weed science course at North Carolina State University. The series includes 3 to 5 lectures each year from a broad spectrum of weed scientists.

