



# WSSA



## AWARDS PROGRAM

Monday, January 29, 2018

4:00–6:00 pm

Crystal Gateway Marriott  
Arlington, Virginia

### PRESIDING

Dr. Scott Senseman, Syngenta

### PRESENTATION OF HONORS AND AWARDS

Dr. Dwight Lingenfelter, Penn State University

#### Awards

#### Subcommittee Chair

Annual Meeting Graduate Student Grants	Calvin Odera
Undergraduate Research Awards	Mithila Jugulam
Outstanding Extension	Larry Steckel
Outstanding Research	Ramon Leon
Outstanding Graduate Student	Jason Ferrell
Outstanding Teacher	Reid Smeda
Outstanding Paper – <i>Invasive Plant Science &amp; Management</i>	John Madsen
Outstanding Paper – <i>Weed Science</i>	Prashant Jha
Outstanding Paper – <i>Weed Technology</i>	Jason Bond
Outstanding Early Career Weed Scientist	Franck Dayan
Outstanding Industry	Muthu Bagavathiannan
Outstanding Reviewers	Sarah Ward*
Retiring Associate Editor – <i>Weed Technology</i>	Sarah Ward*
Public Service Award	Mike Barrett
WSSA Fellows and Honorary Member	Krishna Reddy

\*Director of Publications

## WEED SCIENCE SOCIETY OF AMERICA AWARDS

**FELLOWS.** The nominees must be active members of the WSSA at the time of their nomination and have been active members for at least 10 years. They must have made substantial contributions in more than one of the following areas: (1) professional publications, (2) educational contributions other than publications, (3) development of improvement of weed science programs, practices, and products, (4) other professional contributions, (5) service to WSSA or regional conferences, and (6) service to the profession outside the society. Up to 0.25 percent of the active membership of WSSA may be elected to fellowship in one year.

**HONORARY MEMBER.** Honorary memberships are given for significant contributions to the field of weed science. Active membership in WSSA is not a requirement.

**OUTSTANDING INDUSTRY AWARD.** The recipient must be a member of the WSSA and be employed in private industry. This award recognizes professional accomplishments via products, processes, patents, and publications.

**OUTSTANDING REVIEWERS.** This award recognizes WSSA journal reviewing excellence. Winners of the award are determined by Associate Editor Reviewer rankings and completed review times. The two reviewers with the highest rankings (composite score of quality, number and return times) receive the award.

**ANNUAL MEETING GRADUATE STUDENT GRANTS.** The purpose of these grants is to encourage the involvement of graduate students in the annual WSSA meeting early in their degree programs, and to broaden the attendance of graduate students from nontraditional weed science research programs. The grants are limited to students for their first time WSSA meeting attendance.

**UNDERGRADUATE RESEARCH AWARD.** A competitive research grant awarded to undergraduate students to encourage and support undergraduate involvement in weed science research. Sponsored by WSSA Endowment.

## INDUSTRY-SPONSORED AWARDS

**OUTSTANDING TEACHER AWARD.** To be eligible for this award, the nominee must be currently active in teaching weed science. The recipient must have taught a weed science course(s) at least five times or have served as major professor for at least five students who have received advanced degrees and whose research was in weed science.

**OUTSTANDING RESEARCH AWARD.** This award is for research workers who have demonstrated originality and creativity and whose work has had an impact in the field of weed science. The award is established to recognize outstanding contributions to both applied and basic weed science research. Sponsored by Dow AgroSciences.

**OUTSTANDING GRADUATE STUDENT AWARD.** The student must be a candidate for the MS or PhD degree or have received the degree within the past twelve months at the time the award is presented. The student should have made notable contribution to weed science and should have a good academic record and sound training in weed science. Above all, the recipient must be recognizable as a truly outstanding individual with excellent potential for continued development. Sponsored by DuPont Crop Protection.

**OUTSTANDING EXTENSION AWARD.** The recipient of this award must have been active in extension work for four out of the past five years and must devote at least 75 percent of their extension activities to weed science work. Sponsored by Dow AgroSciences.

**OUTSTANDING PAPER IN INVASIVE PLANT SCIENCE AND MANAGEMENT.** This award is given to the author(s) of the paper published and judged to be the outstanding contribution in the journal, *Invasive Plant Science and Management*. Co-Sponsored by Syngenta and Cambridge University Press.

**OUTSTANDING PAPER IN WEED SCIENCE.** This award is given to the author(s) of the paper published and judged to be the outstanding contribution in the journal, *Weed Science*. Co-Sponsored by BASF and Cambridge University Press.

**OUTSTANDING PAPER IN WEED TECHNOLOGY.** This award is given to the author(s) of the paper published and judged to be the outstanding contribution in the journal, *Weed Technology*. Co-Sponsored BASF and Cambridge University Press.

**OUTSTANDING EARLY CAREER WEED SCIENTIST AWARD.** This award is for young scientists who have demonstrated originality and creativity have made a notable contribution to weed science and have potential for continued excellence. Nominees are eligible for consideration for the Weed Science Society of America 'Early Career Outstanding Scientist Award' if they demonstrate accomplishments in a career in the discipline of weed science for no more than ten (10) years since completion of their terminal degree. The years are further qualified as not calendar years but years. Sponsored by BASF.

**PUBLIC SERVICE AWARD.** Awarded annually to a WSSA member for accomplishments in advancing Public understanding of the scientific principles of Weed Science (including but not limited to study of weeds, their place in the environment, and the means by which they may be controlled and/or managed). Sponsored by Monsanto.



## 2018 AWARDS

### PHOTO CONTEST AWARDS

Sponsor: .....Gylling Data Management, Inc.

### ANNUAL MEETING GRADUATE STUDENT GRANTS

Sponsor: .....WSSA Endowment

### UNDERGRADUATE RESEARCH AWARDS

Sponsor: .....WSSA Endowment



### OUTSTANDING EXTENSION AWARD

Industry Sponsor: .....Dow AgroSciences

## CHRISTY SPRAGUE



Christy L. Sprague is a professor and extension specialist at Michigan State University. She completed her M.S. degree at the University of Illinois and her B.S. and Ph.D. degrees at Michigan State University. In 1999, she

began her professional career at the University of Illinois. In 2003, Christy accepted her current position at MSU with extension and research weed management responsibilities. During her career, Christy has demonstrated exceptional qualifications based on 1) the high quality and productive research programs that she designed to address applied weed management issues of Midwest agricultural systems, 2) the significant contributions that she has made in creating and disseminating weed management information in her extension role, and 3) the efficient and effective leadership that she has provided to several organizations. She has developed an excellent and highly productive research program while balancing it against the time demands of extension. Christy has published 65 research articles and over 200 abstracts and proceedings. Both within

her state and within the region, Christy has established herself as an excellent and highly credible source of extension information in the North Central region. She has authored several extension bulletins and the requests that she receives to speak at state, regional and national conferences may provide the greatest evidence of the respect that she has earned during her career. She has delivered over 100 presentations as an invited speaker and in total reaches ~3,500 extension clientele annually. Christy has always stepped forward and taken an active leadership role in most of the organizations in which she has contributed. Within the NCWSS she served as secretary-treasurer for six years, has also chaired several committees, and is currently the President of the North Central Weed Science Society. Nationally, she has served as an Associate Editor for Weed Technology for two terms, currently serves as an Associate Editor for the Journal of Sugar Beet Research, and has served on the Board of Directors for the American Society of Sugar Beet Technologists. Christy has also been an active member of several WSSA committees. Christy was the recipient of the NCWSS Young Scientist Award in 2005, the WSSA Early Career Weed Scientist Award in 2009, and the NCWSS Service Award in 2013.



## OUTSTANDING RESEARCH AWARD

Industry Sponsor: .....Dow AgroSciences

### JASON NORSWORTHY



Jason Norsworthy completed his B.S. in Plant Sciences – Agronomy from Louisiana Tech University in 1995 and then his M.S. in Plant Sciences – Weed Science at the University of Arkansas in 1997. After completing his Ph.D. in

Plant Sciences – Weed Science in 2000 from the University of Arkansas, he spent six years on the faculty at Clemson University. He returned to the University of Arkansas in 2006 and currently holds the academic rank of Professor with tenure in the Crop, Soil, and Environmental Sciences Department, and he holds the University of Arkansas' endowed Chair of Weed Science. He teaches Principles of Weed Control and team-teaches Integrated Pest Management, Advanced Crop Science, and Weed Science Practicum. He has directed 19 M.S. degrees, 6 Ph.D. degrees, 6 Postdoctoral Associates, and has served on several graduate student committees. Dr. Norsworthy is currently advising 12 M.S. students, 3 Ph.D. students, and 3 Postdoctoral Associates. He takes pride in the numerous accomplishments of his current and former students and the success of his former Post-doctoral Associates in industry and academia. His students have been honored more than 200 times with awards at state, regional, and national levels. Dr. Norsworthy has authored or co-authored over 200 refereed journal publications, over 700 abstracts, and secured more than \$10.5 million in support of his program. He spends much of his time conducting research centered on developing strategies to manage herbicide-resistant weeds and reduce the risk of herbicide resistance. Dr. Norsworthy has documented 11 new herbicide-resistant weeds in Arkansas or surrounding states. His research includes applied and basic studies on most Southern row crops in collaboration with basic R&D companies, other universities globally, and governmental entities who have a stake in sustainable weed management. Dr. Norsworthy

frequently travels across the U.S. speaking on the resistance issues confronted by growers throughout the South and elaborates on the strategies that can be used to reduce the risk of herbicide-resistant weeds evolving. Dr. Norsworthy has provided four invited international keynote addresses on the status of herbicide resistance in the U.S. and mitigation of resistance. Dr. Norsworthy's publication in the journal *Weed Science* outlining best management practices to mitigate the evolution of herbicide resistance has been one of the most highly cited papers in the journal over the past few years. Additionally, these strategies appear on all new herbicide labels to bring greater awareness to the need for resistance management. For his research and educational accomplishments, the Arkansas Association of Cooperative Extension Specialists recognized Dr. Norsworthy as Researcher of the Year in 2011 and he was presented the Outstanding Researcher Award by the Arkansas Chapter of Gamma Sigma Delta in 2015. He received the Australian Orator Award for the Herbicide Resistance Challenge in 2013, and was awarded the Outstanding Educator Award by the Southern Weed Science Society and Researcher of the Year by the University of Arkansas, System Division of Agriculture in 2017. In 2011, Dr. Norsworthy and colleagues received the John W. White Team Award from the University of Arkansas, System Division of Agriculture for their efforts on glyphosate-resistant Palmer amaranth. Most recently, the University of Arkansas Extension Service honored Dr. Norsworthy and colleagues with the Extension Excellence State Team Award in 2017 for their dicamba research and educational efforts. Dr. Norsworthy received the Outstanding Reviewer Award from the Weed Science Society of America in 2011. He has served on the Southern Weed Science Board of Directors and the Weed Science Society of America Board of Directors. Jason served as an Associate Editor for *Weed Technology* from 2002 to 2011 and has since been serving as Editor-in-Chief for the journal.



## OUTSTANDING GRADUATE STUDENT

Industry Sponsor: .....DuPont

### CHRIS MEYER



Chris Meyer graduated from Iowa State University with a B.S. in Agronomy in 2012. He earned his M.S. in Weed Science from University of Arkansas in 2015 and is currently a Ph.D. candidate at the same institution, under the direction of Dr. Jason Norsworthy. Chris' dissertation is focused on understanding tank-mix interactions with glufosinate and identifying strategies to mitigate the risk of evolving glufosinate resistance. While pursuing his Ph.D., Chris has been recognized for his academic and extracurricular achievements with awards

including the 2015 Arkansas Soybean Promotion Board Ph.D. Fellowship and the 2015 Bumpers College of Agricultural, Food, and Life Sciences Distinguished M.S. Student Award. At the SWSS Weed Contest, Chris placed as High individual in 2013, 2014, and 2<sup>nd</sup> in 2016. Chris has authored six *Weed Technology* articles, one article in *Crop, Forage, and Turfgrass Management*, five Arkansas research series papers, and 22 abstracts for professional meetings. Of those abstracts, Chris has placed second in the SWSS Ph.D. oral paper contest and has been recognized with 11 other speaking or poster presentation awards. Following graduation, Chris plans to pursue a career conducting applied field research for an agricultural company.

## OUTSTANDING TEACHER AWARD

Industry Sponsor: .....Syngenta Crop Protection

### ANITA DILLE



Anita Dille completed her B.Sc. (Agr) and M.Sc. degrees from the University of Guelph, Canada, and her Ph.D. in Agronomy from the University of Nebraska-Lincoln. She has been at Kansas State University in the Department of Agronomy since November 1999. Currently, she is a Professor in the area of Weed Ecology with a 50% teaching and 50% research appointment. Her teaching responsibilities include three undergraduate courses included Weed Science, Integrated Weed Management, and Agronomy Capstone Experience, as well as a graduate course in Advanced Weed Ecology. Anita regularly advises up to 25 undergraduate students on their programs of study in Agronomy. Her research focuses on the biology and ecology of important weed species and evaluating integrated and site specific weed management programs for agronomic cropping systems in Kansas.

In her position at Kansas State University, Anita has advised 16 MS and 7 PhD graduate students, mentored numerous graduate students as teaching assistants for the Weed Science labs, worked with

undergraduate students on research projects including 3 recipients of WSSA undergraduate research awards, and coached winning graduate and undergraduate students and teams for the Collegiate Weed Science Contests over the past 18 years.

Anita is an active member of the NCWSS from time she was a graduate student in 1995. She has served on the Executive Committee as the first female Vice-President, President-Elect, President, and Past President of the society, just finishing her term in 2017. Anita was also the WSSA representative and has actively organized symposia, judged graduate student posters and papers, and served on numerous committees.

Anita is an active member of the WSSA since her first meeting in 1994. She has served WSSA on the Executive Board as NCWSS representative (2005-2008) and as Treasurer (2009-2012), and currently is Chair of the Endowment and of the Weed Loss committees. She currently serves as an Associate Editor for Weed Science.

Anita and her husband Russell both work in the Agronomy Department, have a cash crop farm near Manhattan, KS, and enjoy activities with their three sons George, Clint, and Jacob, and their families.

*Invasion Shadows: The Accumulation and Loss of Ecological Impacts from an Invasive Plant* IPSM 2017 10:1–8



**DANIEL TEKIELA**

Dan Tekiela received his B.S. in Natural Resources and Environmental Science from the University of Illinois. During that time, he also worked as an invasive plant management technician for a private

company managing plant invasions across the Mid-Atlantic region. He then received his Ph.D. in Invasion Ecology at Virginia Tech while working on quantifying the ecological impacts of invasive plants. He joined the University of Wyoming in 2016 as an assistant professor and state invasive plant extension specialist. Dan’s research and extension program aims to develop tools to assist in both better prediction and detection of new invasions, identify ways to foster healthy plant communities that are resistant to invasion, quantify the ecological and economic impacts of invasive plants, and create management and prioritization tools to reduce the negative impacts imposed by plant invasions.



**JACOB BARNEY**

Dr. Jacob Barney is an Associate Professor of Invasive Plant Ecology at Virginia Tech. He received his BS in chemistry from the University of Kentucky where he worked in a weed science lab. Jacob received

his MS and PhD from Cornell University in weed ecology. Jacob moved to the University of California Davis as a Postdoctoral Scholar before beginning his position in Blacksburg in 2010. Jacob’s research program is focused on broad aspects of weed and invasive plant biology, ecology, and management. Jacob has research programs in a variety of systems, including deciduous forests, reclaimed coal mines, riparian systems, and agroecosystems. Jacob also developed an innovative research program on determining the invasive potential of bioenergy crops. Jacob has published 69 peer-reviewed papers in 39 journals, 1 book, 6 book chapters, 4 policy documents, 2 extension publications, and given 28 invited and 91 contributed presentations. Jacob has been awarded >\$1.75M in grants and contracts primarily from the USDA. Jacob has been honored to receive the Weed Science Society of America’s *Early Career Outstanding Researcher Award* and the *Outstanding Graduate Student Award*, and Northeastern Weed Science Society’s *Outstanding Researcher Award* and the *Robert D. Sweet Outstanding Graduate Student Award*. Jacob also serves as an Associate Editor for *Invasive Plant Science and Management*.



***Evaluation of Dicamba Persistence among Various Agricultural Hose Types Plant and Cleanout Procedures Using Soybean (*Glycine max*) as a Bio-Indicator*** Weed Science, 65(2):305-316.



**GARY CUNDIFF**

Dr. Gary Cundiff grew up in Louisville Kentucky where after earning a Bachelor's degree in Plant and Soil Science from Eastern Kentucky University he continued working in the turf

industry in both athletic facilities management and golf course management. Gary returned to school in 2010 and earned his Master's degree in Agronomy while concentrating in soil microbiology from Western Kentucky University, where he focused on the benefit of fungi and vegetable crops. At Western Kentucky University, Gary was afforded the opportunity to study abroad, doing so in Ecuador, South America and was able to observe firsthand the vast cropping techniques of South America. Beginning in 2012, Gary worked under the direction of Dr. Daniel Reynolds at Mississippi State University studying weed science. His Ph.D. research focused on sequestration of herbicides in spray equipment with a concentration of the auxin herbicides in particular while using both soybean and cotton as a bio-indicator. In 2016 after graduation, Gary accepted a position of Research Scientist with Valent USA and is located at the research station in Leland, MS.



**THOMAS MUELLER**

Thomas C. Mueller is a Professor in the Department of Plant Sciences at the University of Tennessee. He received his BS from the University of Illinois in Agronomy, his MS from the University of Kentucky in

Crop Science, and his PhD from the University of Georgia in Crop Science. His primary research areas are environmental fate of pesticides (especially herbicides) in soils, water systems, and in the air (via drift), and the confirmation and subsequent control of herbicide-resistant weeds. He has published > 120 refereed articles in > 20 different journals. Dr.

Mueller has served on an US-EPA Scientific Advisory Board, has served as an associate editor for Weed Science and Weed Technology, has served on the executive board for the Weed Science Society of America as Secretary, and was named a fellow of the WSSA in 2014.



**DANIEL REYNOLDS**

Dr. Daniel B. Reynolds is a Professor of Weed Science and holds the Edgar Hartwig Chair in Agronomy with Mississippi State University. He is a native of Jerome, Arkansas, and received a B.S. degree in Agricultural

Science from the University of Arkansas at Monticello and his M.S. degree in Agronomy from the University of Arkansas at Fayetteville. He received a Ph.D. in Crop Science from Oklahoma State University and joined the staff of the Louisiana Agricultural Experiment Station at the Northeast Research Station in 1986. Dan conducted weed control research in soybean, corn, cotton, and cereal grains in northeast Louisiana. In 1996, he joined the Department of Plant & Soil Sciences with Mississippi State University. Currently his responsibilities include teaching, weed control research in soybean along with agronomic and conservation tillage systems. His research program is now focusing on the use of spatial technologies to assess the needs and application of herbicides, plant growth regulators, and harvest-aids site-specifically. The introduction of transgenic crops has led to increased incidents of off-target deposition of herbicides such as glyphosate and auxin herbicides. Dan has worked with computer and electrical engineers to develop methods for detection and assessment of these events by utilizing multi-spectral and hyper-spectral data. Dan has served or currently serves as major advisor of 33 graduate students and has served on the committee of over 30 others. With the assistance of colleagues, Dan has developed effective weed control programs for the crops grown in Louisiana and Mississippi. He has been an invited speaker at many weed control

program training seminars for extension, agricultural company, and farm personnel.

Dan has been actively involved in weed science societies at the state, regional, and national levels. He has served as the President of the Southern Weed Science Society (SWSS) as well as on various committees of the Weed Science Society of America. In 1999 he received the SWSS Outstanding Young Weed Scientist Award, in 2003 he was the recipient

of the SWSS Outstanding Educator Award, and in 2012 he was selected as the SWSS Weed Scientist of the Year. Additionally, Dan was selected by the Mississippi Agricultural Forestry Experiment Station as their 2012 Researcher of the Year. In 2013, Dan was recognized as a Fellow of the Southern Weed Science Society when they honored him with their Distinguished Service Award.



**OUTSTANDING PAPER: Weed Technology**

Industry Sponsor: .....Cambridge University Press

***Influence of Cover Crops on Management of Amaranthus spp. in Glyphosate- and Glufosinate-Resistant Soybean. C Weed Tech 31:487-495***



**MARK LOUX**

Dr. Mark Loux is a Professor and Extension Specialist in weed science in the Department of Horticulture and Crop Science at The Ohio State University. Dr. Loux received his B.S. in Plant Science from the

University of Delaware in 1981, and his M.S. and Ph.D. in Agronomy from the University of Illinois in 1985 and 1988, respectively. He is responsible for weed science research and extension programs in soybeans, corn, wheat, and forages in Ohio. His research program at OSU focuses on herbicide resistance and management of weeds in reduced-tillage systems.

currently at Purdue. Bryan’s research focus has been applied research for the development of weed management strategies for primarily corn and soybean, herbicide application technologies, and weed biology and ecology pertaining to herbicide-resistant weed species. Bryan has been active within the North Central Weed Science Society and the Weed Science Society of America in various roles, serving on the board of directors for both.



**KEVIN BRADLEY**

Kevin Bradley is a Professor and State Extension Weed Scientist in the Division of Plant Sciences at the University of Missouri. Kevin is a native of Virginia and received a B. S. degree in Agriculture from Ferrum

College and a Ph.D. in Weed Science from Virginia Tech. Kevin’s faculty appointment includes extension and research responsibilities in the area of applied weed management in corn, soybean, wheat, pastures, and forages. He also teaches a graduate level class in herbicide mechanism of action and has served as major advisor to 18 graduate or post-graduate students since his arrival at the University of Missouri in 2003. Kevin is a member of the Weed Science Society of America, the North Central Weed Science Society, and the American Society of Agronomy. He has served on numerous committees and leadership positions at the University and society levels, including the Board of Directors for both WSSA and NCWSS.



**BRYAN YOUNG**

Bryan Young is a Professor of Weed Science in the department of Botany and Plant Pathology at Purdue University. Bryan earned his bachelor’s degree in crop and soil science at Michigan State University and doctorate in crop science (specialization in

weed science) from the University of Illinois. Bryan has held an academic appointment with teaching, research, and outreach activities for almost 20 years. Bryan has taught or co-taught 15 different course offerings in the areas of field crop production, introductory weed science, and principles of herbicide action at Southern Illinois University and



## **BILL JOHNSON**

Dr. Johnson is a Professor of Weed Science in the Department of Botany and Plant Pathology at Purdue University. He has statewide responsibilities for weed science research and extension in agronomic

crops, and he teaches Advanced Weed Biology and Senior Seminar. Dr. Johnson has extensive experience in the biology and management of herbicide-resistant weeds and crops. Dr. Johnson is a Past President and Fellow of the North Central Weed Science Society (NCWSS). He has won Outstanding Extension Specialist Awards from Purdue University, CropLife America, and the Weed Science Society of America (WSSA). He has published over 120 peer reviewed manuscripts and trained more than 25 graduate students.

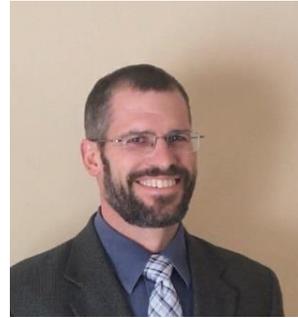


## **DOUG SPAUNHORST**

Doug was raised on a small produce farm near Washington, Missouri. He graduated with a B.S. degree in Plant Science from the University of Missouri-Columbia in 2011, with an emphasis in crop

management. After graduating he pursued a Master of Science degree at the University of Missouri-Columbia under the direction of Dr. Kevin Bradley. Doug's primary research focus was management of glyphosate-resistant giant ragweed and glyphosate-resistant waterhemp in dicamba-resistant soybean. After completing his MS degree in 2013, Doug pursued a Ph.D. degree in weed science at Purdue University in West Lafayette, Indiana under the direction of Dr. Bill Johnson. Doug worked to identify effective herbicide programs and determine if cover crops fit into a program approach for managing glyphosate-resistant Palmer amaranth. He also collaborated with fellow weed scientists at Purdue to identify herbicide-resistant Palmer amaranth populations using DNA molecular assays. Throughout his graduate student career, Doug was a member of the University of Missouri-Columbia weed team which placed 1<sup>st</sup> in the 2012 NCWSS weed contest and he was also a member of the Purdue University weed team which placed 1<sup>st</sup> in the 2014 NCWSS contest and 2015 Weed Olympics. Doug has won two awards for paper and poster presentations. He graduated from Purdue University in December

2016 and joined the USDA-ARS-SRU in Houma, Louisiana in January 2017. Doug's program focuses on development of weed management systems in sugarcane. Doug has authored/co-authored 12 peer-reviewed scientific journal articles, 4 extension publications, and 24 abstracts in conference proceedings. He and his wife Megan are soon-to-be parents and reside in Houma, Louisiana.



## **ANTHONY DOBBELS**

Anthony Dobbels is a Research Specialist in weed science in the Department of Horticulture and Crop Science at The Ohio State University. He attended Western Illinois University, receiving a B.S. in

Agriculture Science in 1991. He obtained his M.S. in Plant and Soil Science at Southern Illinois University with an emphasis in weed science in 1993. He joined the Department of Horticulture and Crop Science at The Ohio State University as a Research Associate in 1994. Mr. Dobbels coordinates the herbicide evaluation program at OSU, and also much of the field research in weed management.



## **LAWRENCE STECKEL**

Larry Steckel was raised on a small farm near Carrollton, Illinois. He received his B.S. in agronomy in 1987 from Western Illinois University and his M.S. in Weed Science from the University

of Missouri in 1989. Larry then went on to work for Pioneer Hi Bred Int'l. where he worked for 10 years as an Agronomist. He left Pioneer to pursue a Ph.D. in the spring of 2000 and received his doctorate in 2003 from the University of Illinois. Larry joined the Department of Plant Sciences at the University of Tennessee in 2003 where he holds a weed science extension (75%) and research (25%) appointment. His research focus is on the biology and management of two troublesome glyphosate-resistant weeds, Palmer amaranth and horseweed. These two weeds cause Tennessee growers the most management challenges and is where most of his program efforts are directed.



## **MATHEUS PALHANO**

Matheus Palhano grew up in a country area in the Mid-West of Brazil. Son of a soybean farmer, he learned from the early age the importance of proper agricultural practices. At the age of 16, Matheus left his

family in Mato Grosso Sul and moved by himself to São Paulo as a high school basketball player. In 2009, he got enrolled at São Paulo State University to pursue an Agronomy degree. In his second year, Matheus had his first contact with Weed Science through Dr. Elza Alves program, where he had the opportunity to work in greenhouse and field experiments related to weed control in sugarcane, soybean and rice. During his last semester at college, he was fortunate to be selected by Lowell Sandell to spend 5 months at University of Nebraska working as an intern at the weed science team. At Nebraska, among other activities, Matheus conducted a greenhouse trial to assess the efficacy of different herbicide mixtures on waterhemp control. This period in Nebraska was crucial to confirm his willing to pursue a career in Weed Science. After graduation, he accepted the position of Graduate Research Assistant in the Dr. Norsworthy graduate program at The University of Arkansas, and achieved a

Master of Science degree in Weed Science in May 2016. To complete the thesis objectives, Matheus conducted several field experiments looking at weed control provided by different cover crops in cotton and soybean, the impact of seeding rate and planting method of cover crop on weed control in cotton, chemical burndown options for cover crops and carryover effect of soil-applied herbicides on cover crop establishment. As a graduate student in Arkansas, Matheus participated in several conferences where he won speaking and poster contests. Matheus is currently working at Monsanto Company as a Regulatory Supervisor in Pirassununga, São Paulo. His role is focused on assessing herbicide efficacy of new herbicide formulations for regulatory purposes as well as leading a team of Field Researches located in different areas of Brazil.



## **JASON NORSWORTHY**

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ON PAGE FOUR



## OUTSTANDING EARLY CAREER WEED SCIENTIST

Industry Sponsor: .....BASF Corporation

### PRASHANT JHA



Prashant Jha received his Ph.D. degree (2008) in Weed Science from Clemson University, South Carolina. He joined the University of Arkansas in 2009 as a Post-Doctoral Researcher. In 2010, he was appointed as an

Assistant Professor of Weed Science at the Montana State University-Bozeman, Southern Agricultural Research Center, Huntley, MT and became Associate Professor in 2016. His research program is aimed at developing cost-effective, integrated weed management strategies in dryland and irrigated cropping systems of Montana and the US Great Plains, with focus on weed biology/ecology, and evolutionary dynamics and integrated management of herbicide resistance. His current research also includes precision weed management. He actively collaborates with researchers in weed science and other disciplines at regional and national levels, and garnered a total of 4.8 million dollars (\$2.2 million as PI) in extramural grant funds, since 2010 at MSU. He published 50

refereed journal articles, 5 peer-reviewed book chapters, 24 extension articles/technical reports, and 110 conference proceedings. Since 2010 at MSU, his extension and outreach efforts included a total of 80 field days and field tours, 16 media talks, and 35 invited presentations at various industry, grower, and commodity group meetings region wide. He served as a major advisor for 5 graduate students and mentored 3 postdoctoral researchers at MSU since 2010. Dr. Jha serves as an Associate Editor for Weed Science and Weed Technology journals. He is an active member of International Weed Science Society, Asia-Pacific Weed Science Society, and Western Society of Weed Science (WSWS). He served on the WSWS Board and currently on several WSWS and WSSA committees, including the Chair of the Outstanding Weed Science Paper award (WSSA). He received the Outstanding Young Weed Scientist award (2016) from the Western Society of Weed Science, Outstanding Reviewer awards from WSSA (2014) and Crop Protection-Elsevier (2015), and Meritorious Faculty award from the College of Agriculture, MSU-Bozeman.

## OUTSTANDING INDUSTRY AWARD

Sponsor: .....WSSA

### MARK PETERSON



Mark Peterson is currently managing transition projects for the recently formed Ag Division of DowDuPont. Prior to this recent appointment he was Global Product Development Leader (PDL) for nitrogen stabilizers as

well as corn and soybean herbicides. In this role Mark coordinated research on new products and communicated technical information to business team functions, helping to ensure continued stewardship, success, and growth of the company's portfolio.

In addition to his PDL position, Mark has had several roles within the company, including Field Tech Service and Development Representative;

Leader of Field Stations near Geneseo, Illinois and Fowler, Indiana; US Regional Business Partner; and Global Biology Leader for the Enlist™ Weed Control System.

He currently chairs the Global Herbicide Action Committee (HRAC), an Industry group dedicated to the study and management of herbicide resistant weeds. Mark works to maintain a high level of engagement with external professional societies and institutions to help advance efficient food production around the world.

Mark has had a lifelong interest in conservation and is a member of the Nature Conservancy, Pheasants Forever, and Ducks Unlimited. He also works on wildlife habitat projects on the family farm in South Dakota.

Mark holds a Ph.D. in Agronomy-Weed Science from South Dakota State University

## OUTSTANDING REVIEWER AWARDS

Sponsor: .....WSSA



### AMIT JHALA

Amit Jhala completed his BS (Agriculture) and MS (Weed Science) from Gujarat Agricultural University, India. He was selected for an international fellowship sponsored by the Belgian government and spent a year

at Ghent University, Belgium, during which time he visited several universities in Europe. Amit completed his Ph.D. from the University of Alberta, Canada in 2009, after which he completed postdoctoral experiences at the University of California—Davis and the University of Florida.

Since August 2012, Amit has served as an assistant professor and extension weed management specialist at the University of Nebraska-Lincoln (UNL) with a split appointment between research and extension. Amit's research program at UNL is focused on the biology, gene flow, and management of herbicide-resistant weeds. He is specifically interested in

pollen-mediated gene flow from herbicide-resistant crops and weeds. He is an early career weed scientist with 75 papers published/accepted in peer-reviewed journals and 11 book chapters. Amit has graduated three MS students and two Ph.D. students at UNL, in addition to currently supervising a postdoctoral fellow, two Ph.D. students, and three MS students as a major advisor and serving as a committee member for five other graduate students.

Amit was honored with Early Career Weed Scientist Award from the WSSA in 2017 and Distinguished Achievement Young Scientist Award from the North Central Weed Science Society in 2016. Amit serves on several committees of the WSSA. He is serving as a reviewer for *Weed Technology*, *Weed Science*, *Pest Management Science*, *Agronomy Journal*, *Nature Scientific Reports*, *Frontiers in Plant Science*, and *Heredity*. He is also serving as an associate editor of the *Canadian Journal of Plant Science*. Know more about his program at <https://agronomy.unl.edu/jhala> or his lab <https://agronomy.unl.edu/jhalalab>.



### NICHOLAS KORRES

Soon after the completion of his undergraduate studies in Plant Production-Agronomy in Greece, Nicholas received a governmental scholarship, after participating in a three-

day national competitive exam, to continue his studies abroad. He chose the University of Reading in the UK for his post-graduate studies where he received an MSc in Crop Physiology and a Doctorate in Weed Science under the supervision of Professors R. J. Froud-Williams and D. S. H. Drennan. He published his first book entitled “Encyclopaedic Dictionary of Weed Science: Theory and Digest” with Lavoisier SAS, while he was working as a project manager at NTC-Research (latter Markit Economics) in Henley-on-Thames, UK. Under his management, an European food and agricultural manufacturing sector survey became known worldwide with monthly references in major economic and industrial newspapers and newswires including Reuters and Bloomberg. This experience “provoked” his curiosity to attend (and complete) a post-graduate course in Operational Research and Applied Statistics at Salford University, Manchester,

UK. He returned to Greece and worked as a research fellow in various institutes including the Agricultural University of Athens. During his occupation there he compiled, as a major author, a manual, as part of a project funded by the Greek Ministry of Agriculture and Food, on the establishment, management, processing and related energy inputs/outputs of twenty energy crops. This was distributed to agricultural extension services and farmer associations nationwide. As agribusiness consultant he was working in close liaison with agri-food industry, producer associations and agri-governmental services to complete projects worth of more than €1.2 million. He also had the opportunity to develop, implement and monitor projects on “Good Agricultural Practices” for various producer groups and to organize and teach a two-day workshop on “Project Management” for senior managers from agri-food industry. In 2008, Nicholas accepted a job offer to work as a research fellow-agronomist at the University College Cork, Ireland on an Irish Environmental Protection Agency funded project for the production of biomethane from grass and grass silage by anaerobic digestion. He established and published a series of papers on the methodology of up- and downstream Life Cycle Assessment of grass and grass silage production along with his second book, in which he was acting as a senior editor, on

“Bioenergy production by anaerobic digestion. Using agricultural biomass and organic wastes” in 2013 by Taylor and Francis. He came to the USA in 2014 to work as a post-doctoral research associate at Arkansas University under the direction of Dr. J.K. Norsworthy. Weed demographics and population dynamics within crops and cropping systems or between diverse environments, weed eco-physiological aspects and weed-crop interactions are the basics of his research. He believes that a new weed management paradigm based on ecological principles and integrated weed management tactics for achieving sustainable weed management-food production-systems is more acute nowadays. His

third book entitled “Weed Control: Sustainability, Hazards and Risks in Cropping Systems Worldwide”, co-edited with Dr. N.R. Burgos and Dr. S.O. Duke, is under press by CRC Press/Taylor & Francis Pub. Co. Nicholas has authored and co-authored more than 100 referred journal articles, book chapters, conference abstracts, technical reports and extension/nontechnical publications. He has received various scholarships and prize money awards including a scholarship by NATO to attend an advance study training school. He is an associate editor for the journal of “Agronomy for Sustainable Development” and he is acting as reviewer for numerous journals including Weed Science and Weed Technology

### WSSA PUBLIC SERVICE AWARD

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### PHILLIP STAHLMAN



Phillip Stahlman grew up on a dairy and small grains farm in northwest Oklahoma and obtained a B.S. degree in Agronomy from Oklahoma Panhandle State College and a M.S. degree in Weed Science from North Dakota State University. He served

as Assistant Agronomist at the North Central Branch Experiment Station near Minot, North Dakota for 3 years before joining Kansas State University in 1975, as Agronomist-in-Charge of the Harvey County Experiment Field. In 1976, he transferred to the position of Research Weed Scientist at K-State’s Fort Hays Experiment Station (later renamed Kansas State University Agricultural Research Center-Hays [KSU ARCH]). He was granted sabbatical leave and a leave of absence to earn a Ph.D. in Weed Science from the University of Wyoming in 1989. During that time he maintained a scaled-down research program at KSU ARCH and conducted field dissertation research in both Kansas and Wyoming. He returned full time to KSU ARCH and advanced to the rank of Professor. His research has emphasized integrated weed management in dryland cropping systems, herbicide testing and development, and in recent years identification, biology and management of herbicide resistant weeds. Over his career he has published 95 peer-reviewed manuscripts, 1 book chapter, more than 600 citable abstracts and reports, and he has

given over 200 invited state, national and international presentations. He served as President of the Western Society of Weed Science (WSWS) in 2004-2005 and President of the Council of Agricultural Science and Technology (CAST) in 2012-2013, among many other organization and university service activities including 6 years as Associate Editor of WSSA’s journal *Weed Technology*. In 2014, he served on a 5-member team charged with Strategic Review of Investment in Weeds RD&E for the Australian Grains Industry. In 2017, he chaired the organizing committees for the Great Plains Herbicide Resistance Listening Session and the WSSA-sponsored Tour of central and western Kansas for Environmental Protection Agency personnel. During his career he has received numerous professional recognitions and awards including a 6-month Visiting Fellowship in Weed Science from the University of New England and New South Wales Department of Primary Industries, Australia; twice received K-State’s post-tenure Professional Performance Award recognizing sustained high achievement; Distinguished Research Award from the North Central Weed Science Society (NCWSS) in 1995; Outstanding Weed Scientist – Public Sector from WSWS in 2001; Fellow Awards from NCWSS in 2003, WSWS in 2007 and WSSA in 2012; Presidential Award of Merit from WSWS in 2017; and Outstanding Alumnus Award from the College of Agriculture, University of Wyoming in 2017. He retired in 2017, following a 45-year professional career.

## WSSA FELLOW AWARDS

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### HUGH BECKIE

Hugh grew up on a grain & livestock farm near Davidson, Saskatchewan and farmed part-time for over 30 years. He obtained undergraduate degrees in Geological Sciences and Agriculture followed by a

Masters degree in Soil Science from the University of Saskatchewan. In 1992, Hugh obtained his PhD in the Department of Plant Science at the University of Manitoba. Under the supervision of Prof. Ian Morrison, he investigated the first case of weed resistance in western Canada – trifluralin-resistant green foxtail. His passion for weed science and particularly weed resistance is directly attributed to the mentorship and influence of Prof. Morrison. He began a post-doctoral position with Agriculture and Agri-Food Canada (AAFC) in 1991 in Melfort, Saskatchewan, followed in 1992 as a weed research scientist with AAFC in Saskatoon, Saskatchewan. Hugh is also an Adjunct Professor in the Department of Agricultural, Food and Nutritional Science at the University of Alberta in Edmonton. His research

program over the past 26 years has focused on surveillance, risk assessment, and management of herbicide-resistant weeds as well as impact assessment of crops with novel traits. Hugh has served as President of CWSS and became a Fellow of the Society in 2017. He has served on the WSSA Board of Directors, as Program Co-Chair of the 2014 WSSA meeting in Vancouver, Chairs of the Herbicide Resistant Plants and Early Career Outstanding Scientist Award committees, Associate Editor of *Weed Technology* for 12 years, Symposium organizer on “Grass weed resistance” at the 2006 meeting, as well as a member on a dozen committees. In July, 2018, he will take up a new position as Director of AHRI and Professor in the University of Western Australia School of Agriculture & Environment.



### JASON NORSWORTHY

BIO IS LISTED ABOVE  
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## WSSA HONORARY MEMBER

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### RAFAEL DE PRADO



Rafael De Prado was born and educated in a rich olive grove area in the South of Spain, Córdoba. Then he completed an Agricultural Engineering degree at the University of Córdoba. He obtained his doctorate in plant protection at the same

university and post-doctoral research followed at the INRA (Dijon, France) and Long-Ashton (Bristol, UK) where he specialized in crop and weed resistance to herbicides. In 1994 and 1995, he spent two brief periods working at the Department of Agriculture and Plant Genetics (University of Minnesota, MN) and USDA (Fargo, ND) with Professors J.C. Gronwal and

R. H. Shimabukuro, respectively.

In 1975, he obtained a position in the Department of Plant Science and later became the leading Professor of the Pesticide Action Group at the Department of Agricultural Chemistry where he has directed and formed more than 50 M.S. and PhD students in fundamental and applied aspects in herbicide resistance in plants and weeds as well as IWM in agro-ecosystems.

Dr. De Prado has published 150 referred research journal articles, 85 chapters in books, 260 papers at national and international conferences and has presented numerous invited lectures at national and international meetings above all in Latin-America where he has been working for the last 25 years.