



Action in Agroforestry

March 2019 Vol. 10, No.3

Michael Gold and Hannah Hemmelgarn, editors

Dr. Sarah Lovell Named as Center for Agroforestry's Endowed Chair Professor and Director



Breaking News!
Beginning in August of 2019, Dr. Sarah Lovell (*left*), currently Associate Professor of Landscape Agroecology, Dept. of Crop Sciences at the University of Illinois, Champaign-Urbana, will become the next Endowed Chair Professor and Director, Center for

Agroforestry, University of Missouri. Over the past twenty years, Dr. Lovell has developed a robust research program designed to advance the understanding of agricultural sustainability through the design of multifunctional food production systems. She has assembled strong interdisciplinary research teams to accomplish her research goals. Her research has helped to transform our scientific thinking on the integration of ecological principles and agriculture production at varying scales.

Over the course of her career, Dr. Lovell has established a national and international reputation as an integrator of complex multi-disciplinary questions related to the design of multifunctional food production systems. She has demonstrated her ability to advance those concepts through a combined body of peer-reviewed publications and competitive grant funding.

Over the past decade, Dr. Lovell has received in excess of \$4.7 million funding from competitive

federal grant programs. A highlight among Dr. Lovell's funding is a recently awarded grant obtained from the highly competitive USDA National Institute of Food and Agriculture (NIFA) Competitive Grants Foundational Program. The project, entitled "Multifunctional Woody Polyculture for Sustainable Food Production" was built upon a series of previous awards from the USDA Specialty Crops Research Initiative, National Science Foundation, and regional and local sources. Her funding track record supports Dr. Lovell's strategic collaborative research approach and portends future success in continuing to attract competitive funding at the University of Missouri Center for Agroforestry.

A series of scholarly peer-reviewed publications over the past eight years define her exceptional talent, including: "Multi-functional urban agriculture for sustainable land use planning" (published 2010), "Environmental challenges threatening the growth of urban agriculture in the United States" (2013), "Agroforestry – The next step in sustainable and resilient agriculture" (2016), "Frontiers in alley cropping: Transformative solutions for temperate agriculture" (2017), and "Temperate Agroforestry Research – Considering multifunctional woody polycultures and the design of long-term field trials" (2017).

Through her research program, she has mentored 7 MS, 5 PhD, and 1 postdoctoral scientists, and published 54 peer-reviewed articles in a broad range of high profile journals. Her funded projects have been collaborative and interdisciplinary and have drawn from a diverse group of faculty and institutions. Welcome to MU Dr. Lovell!

Publications and Presentations

Cercioglu, M., S.H. Anderson, R.P. Udawatta, and S. Alagele. 2019. Effect of cover crop management on soil hydraulic properties. *Geoderma*. 343:247-253.

Bolster, C.H., C. Baffaut, N.O. Nelson, D.L. Osmond, M.L. Cabrera, J.J. Ramirez-Avila, A.N. Sharpley, T.L. Veith, A.M.S. McFarland, A.G.M.M.M. Senaviratne, G.M. Pierzynski, and R.P. Udawatta. 2019. Development of PLEAD: a database containing event-based runoff phosphorus loadings from agricultural fields. *Journal of Environmental Quality*. Doi:10.2134/jeq2018.09.0337

VeVerka, J.S., R.P. Udawatta, and R.J. Kremer. 2019. Soil health indicator responses on Missouri claypan soils affected by landscape position, depth, and management practices. *Journal of Soil Water Conservation* 74:111-122.

The Agroforestry Podcast: Forest Farming 101

In the newest episode of The Agroforestry Podcast, forest farming experts Dr. Jeanine Davis and Dr. Eric Burkhart share the fundamentals of forest farming, from site selection to medicinal plant cultivation and harvest. Recordings from the Appalachian Beginning Forest Farmer Coalition grower expo also offer tips from forest farmers who make a living from the sustainable management of forest-grown medicinal plants. Listen now at <http://www.centerforagroforestry.org/pubs/podcast.php>.

KUDOS

Congratulations to **Joe Alley, who has been selected as the new State Forester for the USDA Natural Resources Conservation Service (NRCS) in Missouri.** He is an MU graduate, holding a Bachelors and a Masters degree in forestry. Joe has been with NRCS for 17 years, and most recently served as the Area Forester for the northeastern quarter of Missouri. As State Forester, Joe will serve as the forestry technical expert to NRCS staff working with non-industrial private forest owners and agroforestry implementation.

Caroline Todd, Center for Agroforestry Business Support Specialist, was awarded the CAFNR Staff Enrichment grant to attend the Business of Flower Farming conference hosted by the Association of Specialty Cut Flower Growers in Denver, Colorado, February 18-19. Caroline Todd and Cheryl Recker, at the Horticulture and Agroforestry Research Center, are organizing a flower farm trade show in conjunction with a floral design program hosted by MU Tiger Gardens.

UPCOMING EVENTS

Forest Farming and Mushroom Cultivation Workshop

March 30, 2019 | 9:00am – 3:00pm | Univ. of MO Center for Agroforestry | Multipurpose Bldg., Alton, MO

In Cooperation with Oregon County Extension, The Center for Agroforestry will offer a forest farming workshop focused on culinary mushroom cultivation. Cost to attend is \$20, which includes lunch and an inoculated mushroom log to take home. For information and to register, contact Jamie at (417)778-7490.

Nutshell Discussion with Ken Mudge: Edible and Medicinal Mushrooms

March 26, 2019 | 7:00pm CST | Online event from the Savanna Institute

During this “Nutshell”, Ken Mudge will discuss log acquisition and inoculation with fungal spawn, incubation, fruiting, and harvest of edible and medicinal mushrooms. Ken Mudge is a professor emeritus at the Department of Horticulture, Cornell University and co-author of the book *Farming the Woods: An Integrated Permaculture Approach to Growing Food and Medicinals in Temperate Forests*. Register for this free webinar discussion at <http://www.savannainstitute.org/events.html>

Nutshell Discussion with Chris Patton: Elderberry, from Hobby to Commercial

April 9, 2019 | 7:00pm CST | Online event from the Savanna Institute

Chris will build on Terry Durham's "Growing Elderberry for Health and Profit" in this online discussion, taking it to this amazing plant's potential commercial future, Midwest Elderberry Cooperative's role in that future, and how that can benefit elderberry growers, including those for whom elderberry is not a primary crop. As founding director and President of the Midwest Elderberry Cooperative, and CEO of River Hills Harvest Marketers, LLC, Chris brings extensive knowledge about marketing shelf stable finished products for the River Hills Harvest brand throughout the Midwest and expanding nationally. Register for this free webinar at <http://www.savannainstitute.org/events.html>

Forest Farming and Mushroom Cultivation Workshop

April 11, 2019 | 1:00pm – 5:00pm | Univ. of MO Center for Agroforestry | Salem, MO

This forest farming workshop will take place at the Ozark Natural & Cultural Resource Center at 202 S. Main St in Salem, MO. In cooperation with Dent County Extension, the Center for Agroforestry will offer information and hands-on instruction for those interested in growing shiitake, oyster, winecap, and other types of mushrooms on logs, stumps, and in mulch beds. Cost of the workshop is \$20, and includes lunch and an inoculated mushroom log to take home. Advance registration is required as the class is limited to 30 participants. To register or for more information, contact Sarah Hultine-Massengale with Dent County Extension at hultines@missouri.edu or 729-3196.

4th World Congress on Agroforestry 2019

May 20-22, 2019 | Le Corum Conference Centre, Montpellier, France

More than 1000 delegates and leading keynote speakers from all over the world will contribute to this event. The overall objective of the Congress is to contribute to the progress of agroforestry science and practice in order to bridge the science-policy gap. Major topics include agroforestry and climate change, food security and nutrition, adoption, and policy, with special attention to vulnerable countries and populations.

More information and registration at <https://agroforestry2019.cirad.fr/>

Chestnut Growers of America Annual Meeting

June 7 – 9, 2019 | W.K. Kellogg Biological Station in Hickory Corners, Michigan

The Chestnut Growers of America 2019 Annual Meeting program will include expertise from around the country addressing invasive pests, marketing, chestnut genetics, and much more. The event will include a cocktail reception, a walking tour of the facility grounds, and optional orchard tours. Registration closes May 31st. For information and registration, visit <http://www.chestnutgrowers.org/>

2019 Comprehensive Elderberry Workshop

June 13 – 15, 2019 | Midwest Elderberry Cooperative | The Carver Center, Jefferson City, MO

The Comprehensive Elderberry Workshop & Field Tour delivers the best new knowledge on elderberry from expert researchers and successful growers. New Growers Workshop June 13; Workshop and Field Tours June 14-15. Information and registration at: <https://www.riverhillsharvest.com/comprehensive-elderberry-workshop>.

2019 North American Agroforestry Conference

June 24 - 27, 2019 | Association for Temperate Agroforestry

The Association for Temperate Agroforestry will convene for the 16th Biennial NAAC, this year focusing on Agroforestry for Sustainable Production and Resilient Landscapes. More information and registration at <https://afta2019.org/>