



Action in Agroforestry

November 2016 Vol. 7, No. 11 Michael Gold and Hyelee Won, editors



International Collaboration

Dr. Steve Lawry, Director of CIFOR's Forests and Governance Research Portfolio, came to MU on Nov. 3, 2016, to meet with faculty and four Indonesian agroforestry MS students funded by USAID/Indonesia who began their graduate programs in the fall of 2016. Dr. Lawry indicated that an additional cohort of Indonesian MS students will be attending MU starting in the fall of 2017.

Agroforestry in Action Webinar

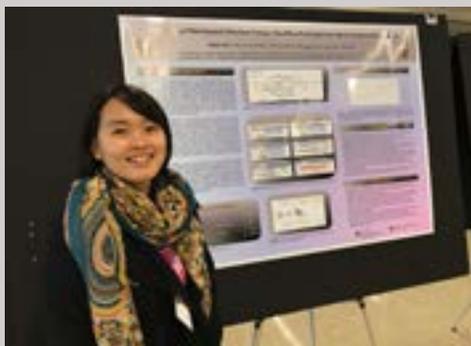
November 16, 2016, 11:00 AM

Community Food Forests in the United States: Overview and Implications for Urban Agroforestry

Registration has already reached capacity: Webinar recording will be made available here:
<http://www.agroforestryinaction.org/>

Catherine Bukowski is a Ph.D. student at Virginia Tech currently researching the agroecological and community development factors influencing the design and management of community food forests with a focus on social dimensions. A community food forest (CFF) is a perennial polyculture food production system modeled after a forest ecosystem open to the public for harvesting. They are emerging across the United States in urban areas to address a variety of concerns from food security to social justice. Catherine has visited 24 food forests across the United States where she collected data to analyze with the goal of understanding which factors are most important to stakeholders and to produce guidelines for best management practices. She will be publishing a book on her dissertation findings through Chelsea Green Publishing in 2017 with co-author Dr. John Munsell.

Visiting Scholar



UMCA is hosting visiting scientist Shu-Yu Hsu, from the Department of Marine Environment and Engineering, National Sun Yat-sen University, Kaohsiung, Taiwan. In 2016-2017, she is working with scientists at UMCA and MU Life Science Center on the bioremediation of dioxins. She will be helping the team to transfer innovative spore-based remediation technology to the An-Shan site in Taiwan that is heavily contaminated by dioxins. National Sun Yat-sen University and MU signed an MOU in 2013 to facilitate the international collaboration and exchange activities. The findings of the project were recently presented at 15th Annual Great Plains Infectious Disease Meeting November 4 and 5th, 2016.

Additional Websites of Interest

Online courses offered by Cornell University. <http://smallfarms.cornell.edu/>
News from the Woods <http://news.wellspringforestfarm.com/>
Green Lands Blue Waters - Events <http://www.greenlandsbluwaters.net>

North American Agroforestry
Conference; Blacksburg, VA
June 27-29, 2017

<https://www.regonline.com/builder/site/Default.aspx?EventID=1865066>



Dr. Darcy Gordon, a visiting scholar from Italy, is working with UMCA on a chestnut post-harvest project, evaluating long-term refrigerated storage life of a select number of highly rated Chinese chestnut cultivars. Previously she has studied tree physiology in fruit crops at UC Davis (PhD, 2005), and managed a small diversified farm incorporating agroforestry principles in fruit orchards (www.localitailpiano.it).



Dr. Adolfo Rosati has been a research scientist at the Council for Agricultural Research and Economics (CREA), in Italy, since 1996. He is currently a Fulbright scholar with UMCA, measuring and modelling light transmission below trees in agroforestry systems, and use-efficiency by understory crops. Dr. Rosati has a Ph.D. in fruit tree physiology from the University of Perugia, and was a Postdoc at UC Davis. He works on ecophysiology, particularly light and nitrogen partitioning within canopies, modelling photosynthesis, floral and fruit biology, and tree growth. He is actively involved in AGFORWARD (www.agforward.eu), the largest agroforestry project funded by the European Commission. Dr. Rosati is a founding member of the European Agroforestry Federation (EURAF) (www.agroforestry.eu) and serves in its executive committee as the national delegate for Italy and as deputy secretary.

UPCOMING EVENTS

Green Lands Blue Waters (GLBW) Conference, Memorial Union, Columbia, Mo.

November 29-30, 2016

Going Green with Conservation-Based Farming: Market-Based Approaches to Promote Soil Health and Water Quality.

Registration: \$180. Contact: Caroline Todd. 573-884-2874 ToddCS@missouri.edu

For details and registration: <http://snr.missouri.edu/green-lands-conference/>

Successful Biological Orchardring Workshop, Columbia, MO

December 6th, 2016, 8:30 am - 4:30 pm

Join MOYFC and Michael Phillips as they address the challenges and joys of raising fruit trees & berry crops in mid-Missouri. This workshop will include a discussion about grafting techniques and important marketing perspectives for selling the good fruit you are growing. Registration: \$60

<http://www.missouriyoungfarmers.com/successful-biological-orcharding/>

Recent Agroforestry Publications

Bobryk, C.W., Rega-Brodsky, C.C., Bardhan, S., He, H., and Jose, S. 2016. A rapid soundscape analysis to quantify conservation benefits of temperate agroforestry systems using low-cost technology. *Agroforestry Systems*. 90 (6): 997-1008.

A Special Issue of *Agroforestry Systems* journal entitled: *Agroforestry as a Catalyst for on-farm conservation and diversification*, was published in October, 2016 derived from selected manuscripts presented at the 2015 North American Agroforestry Conference. Editors: Diomy Zamora and Ranjith P. Udawatta. UMCA authored articles included:

Sahin, H., Anderson, S.H., and Udawatta, R.P. 2016. Water infiltration and soil water content in claypan soils influenced by agroforestry and grass buffers compared to row crop management. *Agroforestry Systems* 90 (5): 839-860.

Weerasekara, C., Udawatta, R.P., Jose, S., Kremer, R.J., and Weerasekara, C. 2016. Soil quality differences in a row-crop watershed with agroforestry and grass buffers. *Agroforestry Systems* 90 (5): 829-838.

Zamora, D. and Udawatta, R.P. 2016. Agroforestry as a catalyst for on-farm conservation and diversification. *Agroforestry Systems* 90 (5): 711-714.



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