



# Action in Agroforestry

February 2015  
Vol. 6, No. 2

Michael Gold and  
Savannah Kannberg, editors

## UMCA hosts visiting forest scientists from Inner Mongolia Agricultural University



Hosted by Dr. Ranjith Udawatta as a follow-up to his earlier visit to Inner Mongolia, four visiting scientists from the Inner Mongolia Agricultural University, China, visited MU and UMCA on January 28, 2015. Visiting Forest Scientists Dr. Fucang Qin, Dr. He Meng, Dr. Gangtie Li, Dr. Xiang-xin Cui toured the MU HARC Farm and MU Greenley Research Center and spent a morning of information exchange with UMCA faculty, postdocs, staff and students.

---

## First International Symposium on Elderberry — Papers published in *Acta Horticulturae*

The First International Symposium on Elderberry, a multi-national collaboration lead by MU's Andrew Thomas, was convened under the auspices of the International Society of Horticulture Science (ISHS) June 9-14, 2013, in Columbia, Mo (see Action in Agroforestry Vol. 4, No. 6, June 2013). The Symposium featured more than 60 presentations on elderberries given by experts from over 10 different countries, including the US, Canada, Israel, Denmark, Hungary

and Germany. Sessions focused on a wide array of topics including: Elderberry and Human Health, Biochemistry, Horticulture, Botany, Ethnobotany, Markets and Industry. A set of 31 research papers derived from the Symposium have now been published in the ISHS journal *Acta Horticulturae*, edited by Andy Thomas. Ten of the papers were authored and/or co-authored by MU faculty. The new publications are listed on the following page.

# New publications

**Byers, P.L.,** Thomas, A.L. and Nathan, M. 2015. Effect of genotype, environment, growth stage, and foliage type on American elderberry leaf elemental status. *Acta Horticulturae* (ISHS) 1061:183-189.

**Cernusca, M.M.** and M.A. Gold. 2015. Breaking down market barriers for elderberry growers and producers. *Acta Horticulturae* (ISHS) 1061:269-277.

**Jiang, J.M.,** Zong, Y., Chuang, D.Y., Lei, W., Lu, C.-H., Gu, Z., Fritsche, K.L., Thomas, A.L., Lubahn, D.B., Simonyi, A. and Sun, G.Y. 2015. Effects of elderberry juice from different genotypes on oxidative and inflammatory responses in microglial cells. *Acta Horticulturae* (ISHS) 1061:281-288.

**Keller, K.E.,** Mosier, N.J., Thomas, A.L., Quito-Avila, D.F. and Martin, R.R. 2015. Identification of two new carlaviruses in elderberry. *Acta Horticulturae* (ISHS) 1061:161-164.

**Perkins-Veazie, P.,** Thomas, A.L., Byers, P.L. and Finn, C.E. 2015. Fruit composition of elderberry (*Sambucus* spp.) genotypes grown in Oregon and Missouri, USA. *Acta Horticulturae* (ISHS) 1061:219-224.

**Thomas, A.L.,** Byers, P.L., Gu, S., Avery, Jr., J.D., Kaps, M., Datta, A., Fernando, L., Grossi, P. and Rottinghaus, G.E. 2015. Occurrence of polyphenols, organic acids, and sugars among diverse elderberry genotypes grown in three Missouri (USA) Locations. *Acta Horticulturae* (ISHS) 1061:147-154.

**Thomas, A.L.,** Byers, P.L., Avery, Jr., J.D., Kaps, M., Gu, S., Johnson, H.-Y. and Millican, M. 2015. 'MARGE': A European Elderberry for North American producers. *Acta Horticulturae* (ISHS) 1061:191-199.

**Thomas, A.L.,** Byers, P.L., Avery, Jr., J.D., Kaps, M. and Gu, S. 2015. Horticultural performance of eight American elderberry genotypes at three Missouri locations. *Acta Horticulturae* (ISHS) 1061:237-244.

**Warmund, M.R.** and Amrine, Jr., J.W. 2015. Eriophyid mites inhabiting American elderberry. *Acta Horticulturae* (ISHS) 1061:155-159.

**Wu, H.,** Johnson, M.C., Lu, C.-H., Fritsche, K.L., Thomas, A.L., Cai, Z. and Greenlief, C.M. 2015. Determination of anthocyanins and total polyphenols in a variety of elderberry juices by UPLC-MS/MS and other methods. *Acta Horticulturae* (ISHS) 1061:43-51.

## Upcoming Events

**Feb. 17-18, 2015** — Iowa Cover Crops Conference; West Des Moines, Iowa

**Feb. 26-28, 2015** — MOSES Annual Conference; La Crosse, Wisc.

Find out more at: [www.mosesorganic.org/](http://www.mosesorganic.org/)

**Until March 1, 2015** — Call for abstracts for the 14th North American Agroforestry Conference,

"Agroforestry as a Catalyst for On-Farm Conservation and Diversification"

For details, see: <http://bit.ly/1E5G01u>

**April 11, 2015** — Agroforestry workshop at the Allen Project Site; Laurie, Mo.

Information: [www.centerforagroforestry.org/events/2015AgroforestryWorkshop.pdf](http://www.centerforagroforestry.org/events/2015AgroforestryWorkshop.pdf)

**May 31-June 3, 2015** — North American Agroforestry Conference; Ames, Iowa



The Center for Agroforestry  
University of Missouri

*A Global Center for Agroforestry, Entrepreneurship and the Environment*

203 Anheuser-Busch Natural Resources  
(573) 882-0240  
[centerforagroforestry.org](http://centerforagroforestry.org)  
Shibu Jose, Ph.D., Director