

Shengrui Yao

Education:

- Ph.D. in Horticulture/Pomology. Cornell University. Ithaca, NY (2005).
- M.S. in Horticulture/Pomology. Beijing Agricultural University. Beijing, China (1988).
- B.S. in Horticulture/Pomology. Beijing Agricultural University. Beijing, China (1985).

Employment History:

- Associate Professor of Horticulture/Fruit Specialist: 7/2016- present. Department of Plant and Environment Science, Sustainable Agriculture Science Center at Alclade, New Mexico State University.
- Assistant Professor of Horticulture/Fruit Specialist: 1/2010- 6/2016. Department of Plant and Environment Science, Sustainable Agriculture Science Center at Alclade, New Mexico State University.
- Research Fellow of Horticulture: 8/2006- 1/2010: Department of Horticulture, North Central Research and Outreach Center, University of Minnesota.
- Research Supporting Specialist: 8/2005-6/2006. Department of Agronomy and Soil Science, Cornell University.
- Graduate Research Assistant: 6/2001-7/2005. Department of Horticulture, Cornell University.
- Research Scientist: 7/1988- 5/2001. Shandong Institute of Pomology. Tai'an, Shandong, China.

Professional Association:

American Society for Horticultural Science
International Society for Horticultural Science
American Pomological Society

Publications:

1. Huang, J., R. Heyduck, R. Richins, D. VanLeeuwen, M. OConnell, and **S. Yao**. 2017. Jujube cultivar vitamin C profile and nutrient dynamics during maturation. HortScience (accepted).
2. Anderson, N. O., Ascher, P., Fritz, V., Rohwer, C. D., Poppe, S., **Yao, S.**, Johnson, P., Klossner, L., Eash, N., Liedl, B.E., and Reith-Rozelle, J. 2017. Chrysanthemum x hybridum MN 98-89-7 shrub garden chrysanthemum. HortScience, 52: 306-309.
3. **Yao, S.** 2016. Jujube, an alternative fruit crop for the Southwestern United States. HortScience 51:1329-1332.
4. **Yao, S.** 2016. Jujube (*Ziziphus jujuba*) in the United States: challenges and opportunities. Acta Hort. 1116: 23-30.
5. Anderson, N.O., P. Ascher, V. Fritz, C.D. Rohwer, S. Poppe, **S. Yao**, P. Johnson, and B.E. Liedl. 2015. Chrysanthemum x hybridum Mammoth™ 'Dark Bronze Daisy' garden chrysanthemum. HortScience 50:1260-1264.
6. Grasswitz, T. and **Yao, S.** 2016. Efficacy of pheromonal control of the peachtree borer (*Synanthedon exitiosa* (Say)) in small-scale orchards. Journal of Applied Entomology, 140: 669-676.

7. **Yao, S.**, J. Huang, and R. Heyduck. 2015. Jujube (*Ziziphus jujuba* Mill.) flowering and fruiting in the Southwestern United States. *HortScience* 50:839-846.
8. **Yao, S.**, S.J. Guldán, R.P. Flynn, and C. Ochoa. 2015. Challenges of strawberry production in high-pH soil at high elevation in the Southwestern United States. *HortScience* 50:1605-1609.
9. Anderson, N.O., E. Gesick, V. Fritz, C. Rohwer, **S. Yao**, P. Johnson, S. Poppe, B.E. Liedl, L. Klossner, N. Eash, and J. Reith-Rozelle. 2014. Mammoth™ series garden chrysanthemum 'Lavender Daisy'. *HortScience* 49:1600-1604.
10. Anderson, N.O., V. Fritz, C. Rohwer, S. Poppe, B.E. Liedl, **S. Yao**, P. Johnson, J. Reith-Rozelle, L. Klossner, and N. Eash. 2014. Chrysanthemum × hybridum Mammoth™ 'Dark Pink Daisy' garden chrysanthemum. *HortScience* 49:1595-1599.
11. **Yao, S.** 2013. Unique fruit development of ornamental 'Teapot' jujube. *HortTechnology* 23:364-368.
12. **Yao, S.** 2013. Past, present, and future of jujubes- Chinese dates in the United States. *HortScience* 48:672-680.
13. Grasswitz, T. and **S. Yao**. 2013. Control of the greater peach tree borer (*Synanthedon exitiosa*) (*Lepidoptera: Sesiidae*) in small-scale organic orchards. *Acta Hort.* 1001:110-114.
14. **Yao, S.**, J.J. Luby, and K.E. Hummer. 2012. Cold hardiness and foliar disease resistance of Northern American and Asian *Fragaria*. *J. Amer. Pom. Soc.* 66: 45-55.
15. Anderson, N.O., E. Gesick, P.D. Ascher, S. Poppe, **S. Yao**, D. Wildung, P. Johnson, V. Fritz, C. Rohwer, L. Klossner, N. Eash, B.E. Liedl, and J. Reith-Rozelle. 2012. Mammoth™ 'Twilight Pink Daisy' garden chrysanthemum. *HortScience* 47:1182-1186.
16. Anderson, N.O., S. Poppe, P.D. Ascher, E. Gesick, **S. Yao**, D. Wildung, P. Johnson, C. Fritz, J. Hebel, L. Llossner, N. Eash, and B.E. Liedl. 2012. Mammoth™ 'Yellow Quill' garden chrysanthemum. *HortScience* 47:285-288.
17. **Yao, S.** 2011. Winter 2011 low-temperature injury to stone fruit flower buds in New Mexico. *HortTechnology* 21:767-772.
18. **Yao, S.** and C. Rosen. 2011. Primocane-fruiting raspberry production in high tunnels in a cold region of the upper Midwestern United States. *HortTechnology* 21: 429-434.
19. Randall, J. J., J. French, **S. Yao**, S. F. Hanson, N. P. Goldberg. 2011. First report of *Xylella fastidiosa* in peach in New Mexico. *Plant Disease* 95:871.
20. **Yao, S.**, J. J. Luby and D. Wildung. 2009. Strawberry cultivar injury after two contrasting Minnesota winters. *HortTechnology* 19: 803-808.
21. Anderson, N., L. Klossner, N. Eash, V. Fritz, N. Wang, S. Poppe, J. Reith-Rozelle, D. Wildung, **S. Yao**, P. Johnson, B. E. Liedl. 2009. *Gaura lindheimeri* 'Snowstorm': A new Z6 heat/frost-tolerant container and landscaping perennial, *HortScience* 44: 1481-1483.
22. **Yao, S.**, I.A. Merwin and M.G. Brown, 2009, Apple root growth, turnover, and distribution under different orchard groundcover management systems. *HortScience* 44: 168-175.

23. **Yao, S.**, I. A. Merwin, G. A. Abawi, J. E. Thies. 2006. Soil fumigation and compost amendment alter soil microbial community composition but do not improve tree growth or yield in an apple replant site. *Soil Biology & Biochemistry* 38: 578-599.
24. **Yao, S.**, I.A. Merwin and M.G. Brown, 2006, Root dynamics of apple rootstocks in a replanted orchard. *HortScience* 41:1149-1155.
25. **Yao, S.**, I.A. Merwin, G. Bird, G. Abawi, J.E. Thies. 2005. Orchard floor management practices that maintain vegetative or biomass groundcover stimulate soil microbial activity and alter soil microbial community composition. *Plant and Soil* 271:377-389.
26. Rumberger, A., **S. Yao**, I. A. Merwin, E. Nelson, and J. Thies. 2004. Rootstock genotype and orchard replant position rather than soil fumigation or compost amendment determine tree growth and rhizosphere bacterial community composition in an apple replant soil. *Plant and Soil* 264:247-260.
27. **Yao, S.**, G. Neilsen and D. Neilsen. 2000. Effects of water stress on growth and mineral composition of 'Gala' apple fruit. *Acta Hort.* 564: 449-456.
28. Xue B., and **S. Yao**. 1996. Studies on the replant problems of apple and peach. *Acta Hort.* 477:83-88.

NMSU Cooperative Extension publications:

1. **Yao, S.** and R. Flynn. 2015. Home garden strawberry production in New Mexico. NMSU Cooperative Extension Service Publication H324.
2. **Yao, S.** and R. Heerema. 2014. Fruits and nuts for New Mexico orchards. NMSU Cooperative Extension Service Publication H310.
3. **Yao, S.** 2014. Why fruit trees fail to bear. NMSU Cooperative Extension Service Publication H308.
4. **Yao, S.** 2014. Jujube (*Ziziphus jujuba*) grafting. NMSU Cooperative Extension Service Publication H335.
5. **Yao, S.** 2013. Training young apple trees to the central leader system. NMSU Cooperative Extension Service Publication H333.
6. **Yao, S.** 2012. Jujube: Chinese date in New Mexico. NMSU Cooperative Extension Service Publication H330.