

Shengrui Yao

Education:

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

Employment History:

- Professor of Horticulture/Extension Fruit Specialist: 7/2021- Dept. Plant and Environment Science, Sustainable Agriculture Science Center at Alcalde, NMSU.
- Associate Professor of Horticulture/Extension Fruit Specialist: 7/2016- 6/2021. Dept. Plant and Environment Science, Sustainable Agriculture Science Center at Alcalde.
- Assistant Professor of Horticulture/Extension Fruit Specialist: 1/2010- 6/2016. Dept. Plant and Environment Science, Sustainable Agriculture Science Center at Alcalde, NMSU.
- 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 Associations:

Member of the American Society for Horticultural Science
Member of the International Society for Horticultural Science
Member of the American Pomological Society
Member of the NM Extension Specialist Association

Honors and Awards:

- 2022 Commercial Horticulture (CHEX) Distinguished Achievement Award, American Society Horticultural Science-Commercial Horticulture.
- 2022 Outstanding Education Materials Award-Outstanding Leaflet Award, for my extension publication: Fruit tree freeze and frost damage and its management. American Society Horticultural Science Extension Division.
- Group award: the 2015 national winner of the Experiment Station Section Excellence in Multistate Research Award for NC140- Improving Economic and Environmental Sustainability in Tree-Fruit Production through Changes in Rootstock Use.
- Graduate student travel award from American Society for Horticultural Science (2004) and Graduate School travel grant of Cornell University (2003 and 2004).
- Arthur Boller Research Grant, Cornell University (2003 and 2004).

- Young Scientist Award in Science and Technology from Tai-an City, Shandong Province, China, 2002.
- Excellent project award, Shandong Science and Technology Committee, Shandong Province, China, 1999.
- Scholarship from China Scholarship Council (1998, study for one year in Canada).
- Outstanding research paper award, Chinese Society for Horticultural Science, 1991.

Selected Publications:

1. Sapkota, G., Delgado, E., VanLeeuwen, D.F., Holguin, O., Flores, N., Heyduck, R., **Yao, S.** 2023. Dynamics of nutrients in jujube (*Ziziphus jujuba* Mill.) at different maturity stages, cultivars, and locations in the southwest United States. *HortScience*. 58: 155-163. <https://doi.org/10.21273/HORTSCII6880-22>
2. Bradshaw, T., W. Autio, S. Blatt, J. Clements, T. Einhorn, R. Elkins, E. Fallahi, P. Francescatto, J. Lordan, I. Minas, G. Peck, T. Robinson, and **S. Yao**. 2023. Performance of Modi® apple trees on several Geneva rootstocks managed organically; five-year results from the 2015 NC-140 organic apple rootstock trial. *J. Amer. Pomol. Soc.* 77:14-27.
3. **Yao, S.**, Heyduck, R. 2022. Early performance of jujube cultivars in the southwestern United States. *Acta Horticulturae*, 1350: 7-13.
4. **Yao, S.** 2022. Low temperature is critical for jujube grafting success in frost-prone northern New Mexico. *HortTechnology* 32:28-31. <https://doi.org/10.21273/HORTTECH04927-21>
5. Hayes, T. E., Robinson, C., Acharya, R., Flores, N., and **Yao, S.** (2020). Shape influence on consumers' willingness to purchase dried jujube fruit. *Western Economics Forum*, 18(2):141-151. <http://ageconsearch.umn.edu/record/308123/files/ShapeInfluenceonConsumers.pdf>
6. **Yao, S.**, R. Heyduck, S. Guldan and G. Sapkota. 2020. Early performance of drying and multipurpose jujube cultivars in the southwestern United States. *HortScience* 55:1804-1810. <https://doi.org/10.21273/HORTSCII5344-20>
7. Liu, M., J. Wang, L. Wang, P. Liu, J. Zhao, Z. Zhao, **S. Yao**, F. Stanica, Z. Liu, L. Wang, C. Ao, L. Dai, X. Li, X. Zhao and C. Jia. 2020. The historical and current research progresses of jujube- a super fruit for the future. *Horticulture Research* 7:119. <https://doi.org/10.1038/s41438-020-00346-53>
8. **Yao, S.** 2020. Jujube (*Ziziphus jujuba* Mill.) research, extension and production in the United States. *Acta Hort.* 1287: 211-218.
9. Cormier, J.*, R. Heyduck, G. Guldan, **S. Yao**, D. VanLeeuwen, and I. Guzman. 2020. Intercropping Winter Greens between Blackberry Rows for Year-round High Tunnel Production. *HortTechnology* 30:47-54. <https://doi.org/10.21273/HORTTECH04436-19>
10. **Yao, S.**, R. Heyduck and S. Guldan. 2019. Early performance of fresh eating cultivars in the Southwestern United States. *HortScience* 54:1941-1946. <https://doi.org/10.21273/HORTSCII4312-19>

11. **Yao, S.**, S. Guldán and R. Heyduck. 2019. High tunnel apricot production in frost-prone northern New Mexico. *HortTechnology* 29: 457-460.
<https://doi.org/10.21273/HORTTECH04315-19>
12. **Yao, S.** and R. Heyduck. 2018. Ornamental Jujube Cultivar Evaluation in the Southwestern United States. *HortTechnology* 28:557-561.
13. **Yao, S.**, S. Guldán, and R. Heyduck. 2018. Organic blackberry cultivar trials at High Elevation and in High pH Soil in the Southwestern United States. *J. Amer. Pom. Soc.* 72: 202-209.
14. **Yao, S.** 2018. Jujube phenology, pollen germination and two unique germplasm resources in New Mexico. *HortScience* 53:23-27.
15. Huang, J., R. Heyduck, R. Richins, D. VanLeeuwen, M. O'Connell, and **S. Yao**. 2017. Jujube cultivar vitamin C profile and nutrient dynamics during maturation. *HortScience* 52:859-867.
16. 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.
17. **Yao, S.** 2016. Jujube, an alternative fruit crop for the Southwestern United States. *HortScience* 51:1329-1332.
18. **Yao, S.** 2016. Jujube (*Ziziphus jujuba*) in the United States: challenges and opportunities. *Acta Hort.* 1116: 23-30.
19. Grasswitz, T. and **Yao, S.** 2016. Efficacy of pheromonal control of the peachtree borer (*Synanthedon exitiosa* (Say)) in small-scale orchards. *J. Applied Entomology* 140: 669-676.
20. 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.
21. **Yao, S.**, J. Huang, and R. Heyduck. 2015. Jujube (*Ziziphus jujuba* Mill.) flowering and fruiting in the Southwestern United States. *HortScience* 50:839-846.
22. **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.
23. 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.
24. 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 x hybridum Mammoth™ 'Dark Pink Daisy' garden chrysanthemum. *HortScience* 49:1595-1599.
25. **Yao, S.** 2013. Unique fruit development of ornamental 'Teapot' jujube. *HortTechnology* 23:364-368.
26. **Yao, S.** 2013. Past, present, and future of jujubes- Chinese dates in the United States. *HortScience* 48:672-680.

27. 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.
28. **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.
29. 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.
30. 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.
31. **Yao, S.** 2011. Winter 2011 low-temperature injury to stone fruit flower buds in New Mexico. *HortTechnology* 21:767-772.
32. **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.

NMSU Cooperative Extension publications:

1. **Yao, S.** 2021. Fruit tree freeze and frost damage and its management. NMSU Cooperative Extension Service publication Circular CR701. https://aces.nmsu.edu/pubs/_circulars/CR701.pdf
2. **Yao, S.** 2019. Jujube training and pruning basics. NMSU Cooperative Extension Service Publication H337. https://aces.nmsu.edu/pubs/_h/H337.pdf
3. **Yao, S.** 2019. Rootstocks for size-controlled apple trees. NMSU Cooperative Extension Service Publication H307. https://aces.nmsu.edu/pubs/_h/H307.pdf
4. **Yao, S.** 2019. Minor small fruit crops for New Mexican gardens. NMSU Cooperative Extension Service Publication H326. https://aces.nmsu.edu/pubs/_h/H326.pdf
5. **Yao, S.** 2018. Raspberries for the Home Garden. NMSU Cooperative Extension Service Publication H320. https://aces.nmsu.edu/pubs/_h/H320.pdf
6. **Yao, S.** 2018. Blackberry production in New Mexico. NMSU Cooperative Extension Service Publication H325. https://aces.nmsu.edu/pubs/_h/H325.pdf
7. **Yao, S.** 2017. Pruning the home orchard. NMSU Cooperative Extension Service Publication H327. https://aces.nmsu.edu/pubs/_h/H327.pdf
8. **Yao, S.** and R. Flynn. 2015. Home garden strawberry production in New Mexico. NMSU Cooperative Extension Service Publication H324. https://aces.nmsu.edu/pubs/_h/H324.pdf
9. **Yao, S.** and R. Heerema. 2014. Fruits and nuts for New Mexico orchards. NMSU Cooperative Extension Service Publication H310. https://aces.nmsu.edu/pubs/_h/H310.pdf
10. **Yao, S.** 2014. Why fruit trees fail to bear. NMSU Cooperative Extension Service Publication H308. https://aces.nmsu.edu/pubs/_h/H308.pdf
11. **Yao, S.** 2014. Jujube (*Ziziphus jujuba*) grafting. NMSU Cooperative Extension Service Publication H335. https://aces.nmsu.edu/pubs/_h/H335.pdf
12. **Yao, S.** 2013. Training young apple trees to the central leader system. NMSU Cooperative Extension Service Publication H333. https://aces.nmsu.edu/pubs/_h/H333.pdf
13. **Yao, S.** 2012. Jujube: Chinese date in New Mexico. NMSU Cooperative Extension Service Publication H330. https://aces.nmsu.edu/pubs/_h/H330.pdf