Chen DING
Assistant Professor, College of Forestry, Wildlife, and Environment, Auburn University
Director, Southern Forest Nursery Management Cooperative
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Professional Preparation:

Institution	Major/Area	Degree	Year
Beijing Forestry University, China	Environmental Sciences	B.S.	2006
University of British Columbia, Canada	Forestry	M.Sc.	2009
University of Alberta, Canada	Forest Biology and Management	Ph.D.	2015
Texas AM University	Statistics	M.Sc.(candidate)	2024

Professional Experience:

2023-present Assistant Professor, College of Forestry, Wildlife, and Environment, Auburn University
2018-2023 Geneticist I-II, Western Gulf Forest Tree Improvement Program, Texas A&M Forest Service, Texas A&M Univ System
2017-2018 Tree breeding and genomics technology development specialist, Laval University and Canadian Wood Fibre Centre, Natural Resources Canada
2015-2017 Postdoctoral fellow, Dept. of Agriculture, Food and Nutritional Science, University of Alberta
2015 Weather data analyst, Northern Forestry Centre, Canadian Forest Service, Natural Resources Canada

Synergistic Activities

Associate Editor, New Forests-Springer, 2023-now
Topic Board editor, Land-MDPI, 2020-now
Issue editor, Frontiers in Plant Science, 2023-now
Vice chair of SFTIC Planning Committee, 2023-now
Reviewer for journals **:** Applied Science, Plants, Ecosphere, Forest Science, Forestry, Atmosphere, Trees, Forests, New Forests, Forestry Chronicle, Tree Genetics and Genomes, Canadian Journal of Forest Research, BMC Genetics, Journal of Biogeography.
Member ● 2017, Crop Science Society of America (CSSA) Intl Active Member
Teaching Guest lecture of tree improvement, Mississippi State University; Guest lecture of bottomland hardwood regeneration, University of Arkansas at Monticello; Graduate lecture of regression analyses, Stephen F. Austin State University, Nacogdoches, TX; Graduate teaching assistant, University of Alberta, Alberta, Canada.

Awards

2021, The Schatz Colloquium for Tree Genetics Fund (2k USD), SFTIC conference 2021, University of Georgia; 2013, William B. Critchfield award of the Western Forest Genetics Association ($700 USD), British Columbia, Canada; 2013, Canadian Forest Genetics Association (CFGA) sponsored student, British Columbia, Canada; 2011, Student Travel Award, FGSR, University of Alberta, Alberta, Canada; 2009, Provost Doctoral Entrance Award, University of Alberta, Alberta, Canada; 2006-2009, International Partial Tuition Scholarship, UBC, British Columbia, Canada; 2005, Bayer Young

Environmental Envoy (BYEE), Germany; 2003 and 2004, Third Rank Student Award, Beijing Forestry University, Beijing, China; 2003, Social Activity Award, Beijing Forestry University, Beijing, China.

Publications in refereed journals

1. **Ding, C.,** Weng, Y-H., Byram, T.D., Bartlett, B.D., Raley, E.M. 2023. Post hoc experimental designs improve genetic trial analyses: A case study of cherrybark oak (*Quercus pagoda* Raf.) genetic evaluation in the western Gulf region, USA. PLOS ONE 18(5): e0285150. https://doi.org/10.1371/journal.pone.0285150 (Corresponding author, IF=3.752)

2. **Ding, C.,** Brouard, J. S. 2022. Assisted migration is plausible for a boreal tree species under climate change: A quantitative and population genetics study of trembling aspen (*Populus tremuloides* Michx.) in western Canada. Ecology and Evolution, 12, e9384. https://doi.org/10.1002/ece3.9384 (Corresponding author, IF=3.167)

3. Mu, D-Y, **Ding, C**. 2022. Developing a salinity tolerance indicator for tree varieties at challenging sites and urban forests based on inferences of physiological responses: an example of *Ulmus pumila*. Trees - Structure and Function https://doi.org/10.1007/s00468-021-02232-6 (Corresponding author, IF=2.888)

4. Beaulieu, J., Nadeau, S., **Ding, C.**, Celedon, J.M., Azaiez, A., Ritland, C., Laverdière, J-P., Deslauriers, M., Adams, G., Fullarton, M., Bohlmann, J., Lenz, P., Bousquet, J., 2022. Genomic selection for resistance to spruce budworm in white spruce and relationships with growth and wood quality traits. Evolutionary Applications doi: 10.1111/eva.13076 (IF= 5.183)

5. **Ding, C.,** Hamann, A., Yang, R-C., and Brouard, J.S., 2020. Genetic parameters of growth and adaptive traits in aspen (*Populus tremuloides*): implications for tree breeding in a warming world. Accepted by PLOS ONE doi: 10.1371/journal.pone.0229225. (IF=3.24)

6. Schreiber, S.G., **Ding, C.,** Hamann, A., Hacke, U.G., Thomas, B.R., and Brouard, J.S., 2013. Frost hardiness versus growth performance in trembling aspen: results of a large-scale reciprocal transplant experiment. Journal of Applied Ecology 50(4), 939-949. Note:* SS and DC contributed equally to this paper. (IF=6.53)

Book chapters:

1. Mu, D-Y, **Ding, C**., et al. 2023. Developing tree improvement strategies for challenging environment stresses under global climate change: a review of ecological and quantitative genetics of adaptive traits for *Populus* trees. In: Porth, I., Klapste, J., Mckown, A. (eds) The Poplar genome. Springer, New York, NY. Preprint doi: https://doi.org/10.1101/2023.08.25.554698

Conference proceedings:

1. **Ding, C.,** Byram, T., Bartlett, B., Raley, E., 2022. *Collaboration, resilience, and progress*: from the history to the future of tree improvement in the western Gulf region, USA. North American Forest Genetics Society Conference, Jun 13-16, Asilomar, California.

2. **Ding, C**., Hossain, S., McDaniel.V., Rowland, B., Bartlett, B., Raley, E., Pike, C., Crane, B.S., Bragg, D., Nelson, C.D. 2021. Additive and dominance genetic parameters of mature-aged traits in Arkansas populations of shortleaf pine (*Pinus echinata* Mill.). 36th Southern Forest Tree Improvement Conference, University of Georgia, Virtual Conference, Jun 7-9. (*Winner of The Schatz Colloquium for Tree Genetics Fund*).