

2022 Presentations and Publications

Bassuk, N.L.

Miller, B. and **Bassuk, N.L.** 2022 Carya Species for Use in Managed Landscapes: Predicted Drought Tolerance HORTSCIENCE 57(12):1558–1563. 2022. <https://doi.org/10.21273/HORTSCII6756-22>

Root Pruning Improves Root Hydraulic Conductance and Vegetative (*submitted*) Growth of Rootbound Oaks in Containers 2022 HortScience (*Submitted*)

Miller, B. and **Bassuk, N.L.** [Gibberellic Acid 4+7 Influences Shoot Growth of Seedling Pecan and Bitternut Hickory](https://doi.org/10.24266/2573-5586-40.2.45). (2022 Journal of Environmental Horticulture) 40 (2): 39 45. doi.org/10.24266/2573-5586-40.2.45

Miller, BM and **Bassuk, N.L.** March 2022 Supplemental Nickel Corrects Mouse Ear Disorder On Bitternut Hickory J of Environmental Hort.40(1):18-21 [supplemental nickel paper with bitternut hickory https://doi.org/10.24266/0738-2898-40.1.18](https://doi.org/10.24266/0738-2898-40.1.18)

Dahle, GA

Walker M, **Dahle, GA.** 2022. Likelihood of failure of trees along electrical utility rights-of-ways: a literature review. Arboriculture & Urban Forestry 48:242–257. <https://doi.org/10.48044/jauf.2022.018> via TREE Fund UARF Grant #19-UAA-01

Fahey, Robert

Levon Bigelow, Jason Henning, Lara Roman, and **Robert Fahey.** 2022. “Shifting Composition, Structure, and Characteristics of Philadelphia’s Street Trees”. Urban Tree Diversity Conference, St. Petersburg, FL. Aug. 2-3, 2022.

Levon Bigelow, Jason Henning, Lara Roman, and **Robert Fahey.** 2022. “Longitudinal Community Analysis of Philadelphia’s Street Trees (2015-2021)”. International Society of Arboriculture Annual International Conference, 11-14 September 2022, Malmö, Sweden.

Fini, A.

Publications:

Fini, A., Frangi, P., Comin, S., Vigevani, I., Rettori, A., Brunetti, C., Baesso Moura, B., Ferrini, F., 2022. Effects of pavements on established urban trees: growth, physiology, ecosystem services and disservices. Landscape and Urban Planning, 226: 104501.

Conferences:

Fini, 2022. Gestione della chioma e delle radici (Tree canopy and root management). Presented at the Conference "Piantumare o mettere a dimora alberi", organized by the Landscape Architects Association of Padua, Padua, Italy, May 10th.

Bsc Thesis: student: Matteo Aiani, 2022. Valutazione dell'effetto di pavimentazioni a diverso grado di permeabilità sul suolo e la fisiologia di due specie arboree (Evaluation of the effect of pavements with a different degree of permeability on soil traits and on physiology of two woody species. Bsc Degree in Agrotechnologies for the environment and the territory, University of Milan, December 14th.

Follett, M.

White papers:

Follett, M., Lecigne, B, Detter, A., Gocke, L & Messier, C. (2022). Testing Equipment and Techniques to Reduce Loads on the Stem. *TCIMagazine*, July 2022, 32-36.

Follett, M., Lecigne, B, Detter, A., Gocke, L & Messier, C. (2022). Negative Rigging Operations: reducing Stem Stress through the Use of Damping. *Arborist News*, 31(3), 22-26.

Follett, M., Lecigne, B, Detter, A., Gocke, L & Messier, C. (2022). Block or Rings? An Investigation into the Efficacy of Introducing Friction at the Anchor Point. *Arborist News*, 31(1), 52-56.

Conference presentations

Follett, M., Lecigne, B, Detter, A., Gocke, L & Messier, C. (2022). Load Distribution in Rigging Operations: Mitigating Forces in Negative Rigging. *SIAQ Rendez-vous arboricole 2022*, November 15, 2022, Online

Follett, M., Lecigne, B, Detter, A., Gocke, L & Messier, C. (2022). Load Distribution in Rigging Operations: Mitigating Forces in Negative Rigging. *TCIExpo'22*, November 11, 2022, Charlotte, North Carolina

Follett, M., Lecigne, B, Detter, A., Gocke, L & Messier, C. (2022). Load Distribution in Rigging Operations: Mitigating Forces in Negative Rigging. *ISA International Conference*, Sept 14, 2022, Malmo, Sweden

Follett, M., Lecigne, B, Detter, A., Gocke, L & Messier, C. (2022). Load Distribution in Rigging Operations: Mitigating Forces in Negative Rigging. *Czech Tree Care Conference*, Sept 9, 2022, Jihlava, Czech Republic

Follett, M., Lecigne, B, Detter, A., Gocke, L & Messier, C. (2021). A Tale of Two Trees: mitigating stem stress during rigging operations. *ISAO Annual Conference*, March 2-4, 2022, Online

Goodfellow, J.W.

Presentation: Characterizing the Risk of Electrical Contact to Arborists, ISA Conference, Malmo, Sweden, Sept. 2022

Hauer, R.J.

Hauer, R.J. 2022. Advancements in Tree Injection Research and Technology. TCIA Expo 2022. Tree Care Industry Association. Oral Presentation. Charlette, NC. November 10–12, 2022.

Klein, R.W., D.C. McLean, **A. K. Koeser, R.J. Hauer, J.W. Miesbauer**. 2022. Visual Estimation Accuracy of Tree Part Diameter and Fall Distance. *Journal of Forestry*. 120(5): 483-490.
<https://doi.org/10.1093/jofore/fvac012>

Hauer, R.J. 2022. Managing Emerald Ash Borer Through a Money & Urban Forestry Context. *Arbor Chat*. Pacific Northwest ISA. Oral Presentation. Virtual Conference. November 8, 2022

Hauer, R.J. 2022. Managing Emerald Ash Borer Through a Money & Urban Forestry Context. *Arborpalooza: Exploring the Wide World of Trees!*, Pacific Northwest ISA – Annual Training Conference. Oral Presentation. Coeur d'Alene, ID. October 2–4, 2022

Hauer, R.J. 2022. Managing Emerald Ash Borer Through a Money and Municipal Context. Rainbow Ecoscience. Oral Presentation. Saint Louis, MO. July 19, 2022

Hauer, R.J. 2022. Building Street Tree Resiliency to a Construction Crisis: A 40-year Case Study of Knowledge. 2022 MW-ISA Annual Conference & Trade Show. Oral Presentation. Omaha, NE, January 26-28, 2022

Kane, B.

Kane, B. and S.R. Arwade. 2022. The effect of climbing line and ascent technique on the magnitude and frequency of loads associated with arboricultural climbing. *Arboric. Urb. For.* 48(6):309–318. <https://doi.org/10.48044/jauf.2022.023>

Kane, B. 2022. A comparison between battery-powered and human-powered ascents by a climbing arborist. *Urb. For. Green.* <https://doi.org/10.1016/j.ufug.2022.127593>

Laver, Alexander

Presentations:

German Tree Care Conference, Augsburg

Vertical Connect Conference, Switzerland

Miller, Brandon

Miller, Brandon; Bassuk, Nina Lauren. 2022. “Gibberellic Acid 4+7 Influences Shoot Growth of Seedling Pecan and Bitternut Hickory” June 2022.