

BIOGRAPHICAL SKETCH – Richard M. Turcotte, Ph.D.

A. Professional Preparation

- West Virginia University, Entomology, Ph.D. 2016
- New Mexico State University, Agricultural Biology, M.S. 1993
- Central Connecticut State University, Environmental Science, B.S. 1990

B. Appointments

- Forest Health Group Leader, USDA Forest Service, Morgantown Field Office, Morgantown, WV (2015-present)
- Supervisory Entomologist, USDA Forest Service, Morgantown Field Office, Morgantown, WV (2007-2015)
- Entomologist, USDA Forest Service, Morgantown Field Office, Morgantown, WV (2007-2002)
- Entomologist, USDA Forest Service, Northeastern Service Area, Susanville, CA (2000-2002)
- Entomologist, USDA Agricultural Research Service, Beneficial Insects Introduction Research, Newark, DE (1995-2000)

C. Publications

Relevant Publications:

- Fajvan, M.A., A. Hille, and R.M. Turcotte. 2019. Managing understory *Fagus grandifolia* for promoting regeneration diversity and beech bark disease resistance in Northern Hardwood stands, Pennsylvania, USA. Forest Science, fxz023, <https://doi.org/10.1093/forsci/fxz023>.
- Tobin, P.C. and R.M. Turcotte. 2018. Phenology of hemlock woolly adelgid (Hemiptera: Adelgidae) in the central Appalachian Mountains, USA. Journal of Economic Entomology, 111(5):2483-2487.
- Turcotte, R. M., A. Lagalante, J. Jones, F. Cook, T. Elliott, A. A. Billings, and Y.-L. Park. 2017. Spatial and temporal distribution of imidacloprid within the crown of eastern hemlock. Journal of Insect Science, 17(1) doi:10.1093/jisesa/iew120.
- Turcotte, R. M., Larcenaire, C.L, Long, R., Martin, D. K. H and L. Barringer. 2017. The spotted wing drosophila, *Drosophila suzukii* (Diptera: Drosophilidae): a new pest of concern for black cherry, *Prunus serotina* on the High Allegheny Plateau in Pennsylvania. Entomological News 127(4):1-8.
- Tobin, P.C., Turcotte, R.M., Blackburn, L.M., Juracko, J.A. and B.T. Simpson. 2017. The big chill: Quantifying the effect of the 2014 North American cold wave on hemlock woolly adelgid populations in the central Appalachian Mountains. Population Ecology 59(3): 1-8.
- Martin, D. K. H., Turcotte, R. M., Miller, T. M., Munck, I. A., Acimović, S. G., Macias, A. M., ... & Kasson, M. T. 2017. First Report of *Diplodia corticola* Causing Stem Cankers and Associated Vascular Occlusion of Northern Red Oak (*Quercus rubra*) in West Virginia. Plant Disease. 101(2): 380.
- Piatek, K.B., Fajvan, M.A. and R.M. Turcotte. 2016. Thinning effects on foliar elements in eastern hemlock –implications for managing the spread of the hemlock woolly adelgid. Canadian Journal of Forest Research. 47(1): 81-88

- Johnson, S., Bearer, S., Hille, A., Stout, S., & R.M. Turcotte. 2016. Environmental reviews and case studies: Eastern Hemlock Conservation: A Collaborative Approach to Prioritization through a Diverse Partnership. *Environmental Practice*. 18(2): 94-105.
- Lewis, P.A., and R.M. Turcotte. 2015. Use of Chemical Protection and Host Tree Reduction to Control an Emerald Ash Borer Infestation in West Virginia. *Journal of Biodiversity Management & Forestry*. 4(1): 1-5.
- Larcenaire, C.L., K.E. Burton, T. Tomon and R.M. Turcotte. 2015. A new host and a new state record for *Paralobesia piceana* (Freeman) (Lepidoptera: Tortricidae) on eastern hemlock in West Virginia. *Proceedings of the Entomological Society of Washington*. 117(2): 244-246.

D. Synergistic Activities

Service to professional community:

- Reviewer - *Journal of Asia-Pacific Entomology* (2018- present)
- ESA student representative at West Virginia University (2009-2011)

Cooperative Agreements:

- Implementation of hemlock conservation on public and private forestlands within a multi-state cooperative forest pest management area. (The Nature Conservancy)
- Development of *Scymnus camptodromus* for biological control of hemlock woolly adelgid. (Pennsylvania State University)
- Development of optimized trapping systems for early detection of Asian long-horned beetle (Pennsylvania State University)
- Validation of stand damage and gypsy moth life system models (West Virginia University)

E. Collaborators & Other Affiliations

Adjunct Assistant Professor:

- West Virginia University, Morgantown, WV. (2019- present)

Teaching Experience:

- Co-Instructor, ENTO/ENVP 412 Pest Management, West Virginia University,
- Guest Lecturer, West Virginia University, Lectured on topic of forest health and forest entomology (10 semesters).
- M.S. students (2) – Graduate committees

Honors:

- Superior Performance Award. USDA-FS, Morgantown Field Office (2019)
- Outstanding Performance Award. USDA-FS, Morgantown Field Office (2018)
- Outstanding Performance Award. USDA-FS, Morgantown Field Office. (2017)
- Outstanding Performance Award. USDA-FS, Morgantown Field Office (2016)
- Superior Performance Award. USDA-FS, Morgantown Field Office (2015)