

ABRAHAMSON PUBLICATIONS

(*STUDENT AUTHOR)

CO-AUTHORSHIP: 28% WITH UNDERGRADUATES, 18% WITH GRADUATE [MASTERS] STUDENTS,
AND 51% WITH POSTDOCTORAL FELLOWS

CATEGORIES:

GOLDENROD/GALL FLY/GALL MIDGE/PLANT DEFENSE

CYNIPID WASP SYSTEMATICS/ECOLOGY

FLORIDA FIRE ECOLOGY/TREE MASTING/PLANT DEMOGRAPHY

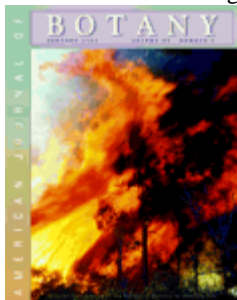
ENVIRONMENTAL/PENNSYLVANIA AND ARIZONA NATURAL AREAS

PEDAGOGY/HOW WE DO SCIENCE

146. Melika, G. and W.G. Abrahamson. In Press. Biodiversity and biogeography of oak gall inducing cynipid wasps. *In*: G. Stone, ed. Galls of oak trees. Ray Society, London, UK.
145. Abrahamson, W.G. and C.R. Abrahamson. 2009. Life in the slow lane: palmetto seedlings exhibit remarkable survival but slow growth in Florida's nutrient-poor uplands. *Castanea* 74: 123-132.
144. Dorchin, N., M.V. McEvoy, T.A. Dowling*, W.G. Abrahamson, and J.G. Moore. 2009. Revision of the goldenrod-galling *Rhopalomyia* species (Diptera: Cecidomyiidae) in North America. *Zootaxa* 2152: 1-35.
143. Wise, M.J., C.G. Yi*, and W.G. Abrahamson. 2009. Associational resistance, gall-fly preferences, and a stem dimorphism in *Solidago altissima*. *Acta Oecologica* 35: 471-476.
142. Whipple, A.V., W.G. Abrahamson, M.A. Khamiss*, P.L. Heinrich, A.G. Urian*, and E.M. Northridge*. 2009. Host-race formation: promoted by phenology, constrained by heritability. *Journal of Evolutionary Biology* 22: 793-804.
141. Dorchin, N., S.D. Jordan, E.R. Scott*, C.E. Clarkin*, M.P. Luongo*, and W.G. Abrahamson. 2009. Behavioural, ecological and genetic evidence confirm the occurrence of host-associated differentiation in goldenrod gall midges. *Journal of Evolutionary Biology* 22: 729-739.
140. Wise, M.J. and W.G. Abrahamson. 2008. Ducking as a means of resistance to herbivory in tall goldenrod, *Solidago altissima*. *Ecology* 89: 3275-3281.
139. Wise, M.J. and W.G. Abrahamson. 2008. Applying the limiting resource model to plant tolerance of apical meristem damage. *American Naturalist* 172: 635-647.
138. Abrahamson, W.G. and M.R. Weaver. 2008. *EcoSampler*: a learning object for community sampling, community structure, and succession. *Bulletin of the Ecological Society of America*: 89: 435-447. <http://www.departments.bucknell.edu/biology/courses/biol208/EcoSampler/>
137. Wise, M.J., L.E. Coffey*, and W.G. Abrahamson. 2008. Nutrient stress and gall flies interact to affect floral-sex ratio in gynomonocious *Solidago altissima* (Asteraceae). *American Journal of Botany* 95: 1233-1239.
136. Diamond, S.E.*, C.P. Blair, and W.G. Abrahamson. 2008. Testing the nutrition hypothesis for the adaptive nature of insect galls: does a non-adapted herbivore perform better in galls? *Ecological Entomology* 33: 385-393.
135. Tooker, J.F., J.R. Rohr, W.G. Abrahamson, and C.M. De Moraes. 2008. Gall insects can evade and alter indirect plant defenses. *New Phytologist* 178: 657-671.
134. Wise, M.J., J.M. Partelow*, K.J. Everson*, M.K. Anselmo*, and W.G. Abrahamson. 2008. Good mothers, bad mothers, and resistance to herbivory in *Solidago altissima*. *Oecologia* 155: 257-266.
133. Abrahamson, W.G. and C.P. Blair. 2008. Sequential radiation through host-race formation: herbivore diversity leads to diversity in natural enemies. *In*: K. Tilmon, ed. Specialization, Speciation, and Radiation: the Evolutionary Biology of Herbivorous Insects. University of California Press, USA, pp. 188-202.
132. Abrahamson, W.G. 2007. Leaf traits and leaf-life spans of two xeric-adapted palmettos. *American Journal of Botany* 94: 1297-1308.
131. Dorchin, N., C.E. Clarkin*, E.R. Scott*, M.P. Luongo*, and W.G. Abrahamson. 2007. Taxonomy, life history, and population sex ratios of North American *Dasineura* (Diptera: Cecidomyiidae) on goldenrods (Asteraceae). *Annals of the Entomological Society of America* 100: 539-548.



130. Stevens, L.E., T.L. Griswold*, O. Messenger*, W.G. Abrahamson, and T.J. Ayers. 2007. Plant and pollinator diversity in northern Arizona. *The Plant Press* 31: 5-7.
129. Melika, G. and W.G. Abrahamson. 2007. Review of the Nearctic gallwasp species of the genus *Bassetia* Ashmead, 1887, with description of new species (Hymenoptera: Cynipidae: Cynipini). *Acta Zoologica Academiae Scientiarum Hungaricae* 53: 131-148.
128. Wise, M.J. and W.G. Abrahamson. 2007. Effects of resource availability on tolerance of herbivory: a review and assessment of three opposing models. *American Naturalist* 169: 443-454.
127. Wise, M.J., W.G. Abrahamson, and K. Landis*. 2006. Edaphic environment, gall midges, and goldenrod clonal expansion in a mid-successional old field. *Acta Oecologica* 30: 365-373.
126. Layne, J.N. and W.G. Abrahamson. 2006. Scrub hickory: a Florida endemic. *Palmetto* 23(2): 4-13.
125. Abrahamson, W.G. and C.R. Abrahamson. 2006. Post-fire canopy recovery in two fire-adapted palms, *Serenoa repens* and *Sabal etonia* (Arecaceae). *Florida Scientist* 69: 69-79.
124. Dorchin, N., E.R. Scott*, and W.G. Abrahamson. 2006. First record of *Macrolabis* (Diptera: Cecidomyiidae) in America: a new inquiline species from *Dasineura folliculi* galls on goldenrods. *Annals of the Entomological Society of America* 99: 656-661.
123. Wise, M.J., R.J. Fox*, and W.G. Abrahamson. 2006. Disarming the paradox of sublethal-plant defense against insects: *Trirhabda virgata* larval development time and leaf tissue loss on *Solidago altissima*. *Entomologia Experimentalis et Applicata* 120: 77-87.
122. Ketterer, E.* and W.G. Abrahamson. 2006. Purple loosestrife on the Susquehanna River's West Branch: distribution and environmental correlates. *Northeastern Naturalist* 13: 213-234.
121. Wise, M.J., D.L. Kieffer*, and W.G. Abrahamson. 2006. Costs and benefits of gregarious feeding in the meadow spittlebug, *Philaenus spumarius*. *Ecological Entomology* 31: 548-555.
120. Abrahamson, W.G., K. Ball Doble*, H.R. Houseknecht*, and C.A. Pecone*. 2005. Ecological divergence among five co-occurring species of old-field goldenrods. *Plant Ecology* 177: 43-56.
119. Blair, C.P.*, W.G. Abrahamson, J.A. Jackman, and L. Tyrrell*. 2005. Cryptic speciation and host-race formation in a purportedly generalist tumbling flower beetle. *Evolution* 59: 304-316.
118. Wise, M.J. and W.G. Abrahamson. 2005. Beyond the compensatory continuum: environmental resource levels and plant tolerance of herbivory. *Oikos* 109: 417-428.
117. Abrahamson, W.G. 2004. Insects raise some galling questions. *New England Wild Flower Conservation Notes* 8: 14-15.
116. Abrahamson, W.G. and A.C. Gohn*. 2004. Classification and successional changes of mixed-oak forests at the Mohn Mill area, Pennsylvania. *Castanea* 69: 194-206.
115. Layne, J.N. and W.G. Abrahamson. 2004. Long-term trends in annual reproductive output of the scrub hickory: factors influencing variation in size of nut crop. *American Journal of Botany* 91: 1378-1386.
114. Price, P.W., W.G. Abrahamson, M.D. Hunter, and G. Melika. 2004. Testing broad ecological concepts on a narrow range of species. *Conservation Biology* 18: 1405-1416.
113. Eubanks, M.D., C.P. Blair, and W.G. Abrahamson. 2003. One host shift leads to another? Evidence of host-race formation in a predaceous gall-boring beetle. *Evolution* 57: 168-172.
112. Abrahamson, W.G., M.D. Hunter, G. Melika, and P.W. Price. 2003. Cynipid gall-wasp communities correlate with oak chemistry. *Journal of Chemical Ecology* 29: 209-223.
111. Zawadzka, P.P.* and W.G. Abrahamson. 2003. Forest composition, spatial pattern, and size structure of the Snyder-Middleswarth Natural Area old-growth, Snyder County, Pennsylvania. *Castanea* 68: 31-42.
110. Abrahamson, W.G., C.P. Blair*, M.D. Eubanks, and S.A. Morehead. 2003. Sequential radiation of unrelated organisms: the gall fly *Eurosta solidaginis* and the tumbling flower beetle *Mordellistena convicta*. *Journal of Evolutionary Biology* 16: 781-789.
109. Abrahamson, W.G. and J.N. Layne. 2003. Long-term patterns of acorn production for five oak species in xeric Florida uplands. *Ecology* 84: 2476-2492.
108. Abrahamson, W.G. and J.N. Layne. 2002. Post-fire recovery of acorn production by four oak species in southern ridge sandhill association in south-central Florida. *American Journal of Botany* 89: 119-123.
107. Abrahamson, W.G. and J.N. Layne. 2002. Relation of ramet size to acorn production in five oak species of xeric upland habitats in south-central Florida. *American Journal of Botany* 89: 124-131.
106. Johnson, A.F. and W.G. Abrahamson. 2002. Stem turnover in the clonal scrub



oak, *Quercus inopina*. *American Midland Naturalist* 147: 237-246.

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104. Melika, G. and W.G. Abrahamson. 2002. Review of the world genera of oak cynipid wasps (Hymenoptera: Cynipidae, Cynipini). In: G. Melika and Cs. Thuróczy, eds. *Parasitic Wasps: Evolution, Systematics, Biodiversity and Biological Control*. Agroinform, Budapest, Hungary, pp. 150-190.
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102. Cronin, J.T. and W.G. Abrahamson. 2001. Goldenrod stem galler preference and performance: effects of multiple herbivores and plant genotypes. *Oecologia* 127: 87-96.
101. Heinrich, P., W.G. Abrahamson, A.V. Whipple, and W.G. Goodenow. 2001. The goldenrod and the gallfly: evolution of an interaction. 36-min video. The Pennsylvania State Media Sales, University Park, PA.
100. Cronin, J.T., W.G. Abrahamson, and T.P. Craig. 2001. Temporal variation in herbivore host-plant preference and offspring performance: constraints on host-plant adaptation. *Oikos* 93: 312-320.
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98. Abrahamson, W.G., M.D. Eubanks, C.P. Blair, and A.V. Whipple. 2001. Gall flies, inquiline, and goldenrods: a model for host-race formation and sympatric speciation. *American Zoologist* 41: 928-938.
97. Melika, G. and W.G. Abrahamson. 2000. Review of the cynipid gall wasps of the genus *Loxaulus* (Hymenoptera: Cynipidae) with descriptions of new species. *Proceeding of the Entomological Society of Washington* 102: 198-211.
96. Sumerford, D.V.*, W.G. Abrahamson, and A.E. Weis. 2000. The effects of drought in the *Solidago altissima* - *Eurosta solidaginis* - natural enemy complex: population dynamics, local extirpations, and measures of selection intensity of gall size. *Oecologia* 122: 240-248.
95. Craig, T. P., J. K. Itami, C. Shantz*, W. G. Abrahamson, J. D. Horner, and J. V. Craig. 2000. The influence of host plant variation and intraspecific competition on oviposition preference and offspring performance in host races of *Eurosta solidaginis*. *Ecological Entomology* 25: 7-18.
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93. Abrahamson, W.G. 1999. Episodic reproduction in two fire-prone palms, *Serenoa repens* and *Sabal etonia* (Palmae). *Ecology* 80: 100-115.
92. Craig, T.P., W.G. Abrahamson, J.K. Itami, and J.D. Horner. 1999. Oviposition preference and offspring performance of *Eurosta solidaginis* on genotypes of *Solidago altissima*. *Oikos* 86: 119-128.
91. Horner, J.D. and W.G. Abrahamson. 1999. Influence of plant genotype and early-season water deficits on oviposition preference and offspring performance in *Eurosta solidaginis* (Diptera: Tephritidae). *American Midland Naturalist* 142: 162-172.
90. Cronin, J.T. and W.G. Abrahamson. 1999. Host-plant genotype and other herbivores influence goldenrod stem galler preference and performance. *Oecologia* 121: 392-404.



89. Weis, A.E. and W.G. Abrahamson. 1998. Just Lookin' for a Home. *Natural History* 107: 60-63.

88. Abrahamson, W.G., G. Melika, R. Scrafford*, and G. Csóka. 1998. Gall-inducing insects provide insights into plant systematic relationships. *American Journal of Botany* 85: 1159-1165.

87. Abrahamson, W.G., G. Melika, R. Scrafford*, and G. Csóka. 1998. Host-plant associations and specificity among cynipid gall-inducing wasps of eastern USA. In G. Csóka, W. J. Mattson, G. N. Stone and P. W. Price, eds., *The Biology of Gall-Inducing Arthropods*. USDA Forest Service, North Central Experiment Station. General Technical Report NC-199, pp. 226-240.

86. Abrahamson, W.G. and A.E. Weis. 1997. *Evolutionary Ecology Across Three Trophic Levels: Goldenrods, Gallmakers, and Natural Enemies*. Monographs in

Population Biology 29. Princeton University Press. pp 456.

85. Melika, G. and W.G. Abrahamson. 1997. Descriptions of four new species of cynipid gall wasps of the genus *Neurotus* (Hymenoptera: Cynipidae) with redescrptions of some known species from the eastern United States. *Proceedings of the Entomological Society of Washington* 99: 560-573.
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83. Brown, J.M., W.G. Abrahamson, and P.A. Way*. 1996. Mitochondrial DNA phylogeography of host races of the goldenrod ball gallmaker *Eurosta solidaginis* (Diptera: Tephritidae). *Evolution* 50: 777-786.
82. Abrahamson, W.G. and J.R. Abrahamson*. 1996. Effects of a low-intensity, winter burn on long-unburned sand pine scrub. *Natural Areas Journal* 16: 171-183.
81. Hess, M.D.*, W.G. Abrahamson, and J.M. Brown. 1996. Intraspecific competition in the goldenrod ball-gallmaker (*Eurosta solidaginis*): larval mortality, adult fitness, ovipositional and host-plant response. *American Midland Naturalist* 136: 121-133.
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78. Abrahamson, W.G. 1995. Habitat distribution and competitive neighborhoods of two Florida palmettos. *Bulletin of the Torrey Botanical Club* 122: 1-14.
77. Raman, A. and W.G. Abrahamson. 1995. Morphometric relationships and energy allocation in the apical rosette galls of *Solidago altissima* (Asteraceae) induced by *Rhopalomyia solidaginis* (Diptera: Cecidomyiidae). *Environmental Entomology* 24: 635-639.
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74. Abrahamson, W.G. and T.N. Taylor. 1994. Plant-animal interactions. *McGraw-Hill Encyclopedia of Science & Technology*. 8th edition.
73. Abrahamson, W.G., J.M. Brown, S.K. Roth*, D.V. Sumerford*, J.D. Horner, M.D. Hess*, S.T. How*, T.P. Craig, R.A. Packer*, and J.K. Itami. 1994. Gallmaker speciation: an assessment of the roles of host-plant characters and phenology, gallmaker competition, and natural enemies. In P. Price, W. Mattson, and Y. Baranchikov, eds., *Gall-forming Insects*. USDA Forest Service, North Central Experiment Station. General Technical Report NC-174, pp 208-222.
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66. Horner, J.D. and W.G. Abrahamson. 1992. Influence of plant genotype and environment on oviposition preference and offspring survival in a gallmaking herbivore. *Oecologia* 90: 323-332.
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61. Abrahamson, W.G., K.D. McCrea, A.J. Whitwell*, and L.A. Vernieri*. 1991. The role of phenolics in goldenrod ball gall resistance and formation. *Biochemical Systematics and Ecology* 19: 615-622.
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