

Elias Milios

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Education

University Degree: Aristotle University of Thessaloniki, Department of Forestry and Natural Environment, Greece (July 1992) – five years of study.

Ph.D. in Silviculture: 2000 Aristotle University of Thessaloniki, Department of Forestry and Natural Environment, Greece.

Ph. D. Thesis: Dynamics and evaluation of the Rhodope mixed stands in the region of Xanthi (in Greek).

Research interests

Treatment – manipulation of forest ecosystems, natural regeneration, forest stand structure, dynamics of forest ecosystems, growth ecology, growth of forest trees, disturbances and forest ecosystems, facilitation – competition processes in forest ecosystems, restoration of degraded forest ecosystems, urban forestry, biodiversity in forest ecosystems, structural diversity of forest stands and forests.

Selected articles published in international scientific journals

Milios E. (2000) Dynamics and development patterns of *Pinus sylvestris* L. - *Fagus sylvatica* L. stands in central Rhodope. *Silva Gandavensis*, 65: 154-172.

Milios E. (2000) Structure and development patterns analysis of the *Ostrya carpinifolia* pure and mixed stands in the western part of Nestos valley. *Silva Gandavensis*, no 65, 128-153.

Milios E. (2004) The influence of stand development process on the height and volume growth of dominant *Fagus sylvatica* L. s.l. trees in the central Rhodope Mountains of north- eastern Greece. *Forestry* 77:17-26.

Milios E., Pipinis E., Petrou P., Akritidou S., Smiris P., Aslanidou M. (2007) Structure and regeneration patterns of the *Juniperus excelsa* Bieb. stands in the central part of the Nestos valley in the northeast of Greece, in the context of anthropogenic disturbances and nurse plant facilitation. *Ecological Research* 22: 713-723.

Milios E., Smiris P., Pipinis E., Petrou P. (2009) The growth ecology of *Juniperus excelsa* Bieb. trees in the central part of the Nestos valley (NE Greece) in the context of anthropogenic disturbances. *Journal of Biological Research – Thessaloniki* 11:83-94.

Diamantopoulou M., Milios E., Doganos, D., Bistinas I. (2009) Artificial Neural Network modeling for reforestation design through the dominant trees bole – volume estimation. *Natural Resource Modelling* 22(4): 511-543.

Diamantopoulou M., Milios E. (2010). Modeling total volume of dominant pine trees in reforestations via multivariate analysis and artificial neural network models. *Biosystems Engineering* 105(3): 306-315.

Papalexandris C., Milios E. (2010). Analysis of natural *Fagus sylvatica* L. s.l. regeneration in low elevation stands located in the central part of Evros region in the Northeast of Greece. Is sprout origin regeneration significant for the species maintenance? *Plant Biosystems* 44: 784-792.

Milios E., Petrou P., Andreou E., Pipinis E. (2011) Is facilitation the dominant process in the regeneration of the *Juniperus excelsa* M. Bieb. stands in Cyprus? *Journal of Biological Research – Thessaloniki* 16: 296-303.

Kitikidou K., Kaymakis M., Milios E. (2012) Site index curves for young *Populus tremula* stands on Athos Peninsula (northern Greece). *Turkish Journal of Agriculture and Forestry* 36: 55-63. doi:10.3906/tar-1006-1075

Petrou P., Milios E. (2012) Establishment and survival of *Pinus brutia* Ten. seedlings over the first growing season in abandoned fields in central Cyprus. *Plant Biosystems* 146: 522-533.

Kitikidou K., Petrou P., Milios E. (2012) Dominant height growth and site index curves for Calabrian pine (*Pinus brutia* Ten.) in central Cyprus. *Renewable & Sustainable Energy Reviews* 16: 1323-1329.

Milios E., Pipinis E., Petrou P., Akritidou S., Kitikidou K., Smiris P. (2012) The Influence of Position and Site on the Height Growth of Young *Populus tremula* L. ramets in Low Elevation Formations in Northeastern Greece. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 40: 302-307.

Stampoulidis A., Milios E., Kitikidou K. (2013) The regeneration of pure *Juniperus excelsa* Bieb. stands in Pespia National Park in Greece. *Šumarski list* 3-4: 163-172.

Milios E., Pipinis E., Kitikidou K., Batziou M., Chatzakis S., Akritidou S. (2014) Are sprouts the dominant form of regeneration in a lowland *Quercus pubescens*-*Quercus frainetto* remnant forest in Northeastern Greece? A regeneration analysis in the context of grazing. *New Forests* 45(2): 165-177. DOI 10.1007/s11056-013-9399-z

Kitikidou K., Milios E., Tsirekis E., Pipinis E., Stampoulidis A. (2015). Site quality assessment of degraded *Quercus frainetto* stands in central Greece. *iForest-Biogeosciences and Forestry*, 8: 53-58. doi:10.3832/ifor1069-007

Petrou P., Kitikidou K., Milios E., Koletta J., Mavroyiakoumos A. (2015) Site index curves for the golden oak species (*Quercus alnifolia*) *BOSQUE* 36(3): 497-503. DOI: 10.4067/S0717-92002015000300016

Kitikidou K., Milios E., Katsogridakis S. (2016) Meta-analysis for the volume of *Pinus sylvestris* in Europe. *Revista Chapingo Serie Ciencias Forestales y del Ambiente*, 23(1): 23-34. doi:10.5154/r.rchscfa.2015.11.052

Pipinis E., Milios E., Kitikidou K. and Radoglou K. (2016) Treatments for seed germination improvement in *Prunus azorica*, *Frangula azorica* and *Morella faya*, three native species of Azores Islands. *Botany Letters* 163(3): 329-335. <http://dx.doi.org/10.1080/23818107.2016.1206035>

Kitikidou K., Papageorgiou A., Milios E., Stampoulidis A. (2016) Preliminary individual tree growth model, site index model «mortality» model for aleppo pine (*Pinus halepensis* Mill.) in chalkidiki (northern greece) *Ciencia Florestal* 26(4): 1247-1257.

Batziou M., Milios E., Kitikidou K. (2017) Is diameter at the base of root collar a key characteristic of seedling sprouts in a *Quercus pubescens* - *Quercus frainetto* grazed forest in Northeastern Greece? A morphological analysis. *New Forests*, 48(1), 1-16. doi:10.1007/s11056-016-9552-6

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Milios E., Kitikidou K., Andreadou P. (2017). Sprouting characteristics of *Quercus pubescens* Willd. And *Quercus frainetto* Ten. trees after a wildfire: to cut or not to cut the burned trees? *European Journal of Forest Research* 136:971–979. DOI 10.1007/s10342-017-1085-9

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Garlemos A., Karanikolas A., Psilidou K., Pipinis, E., Stampoulidis, A., Kitikidou, K., Milios, E. (2019). Distance-dependent basal area models using stump height diameters for three tree species in Greece. *Austrian Journal of Forest Science*, 2019, 136(4): 373-386.

Milios E., Papalexandris C. (2019). Height growth of sprouts emerged from small stumps and seed origin saplings under shade, in low elevation *Fagus sylvatica* L. s.l. stands in Greece. *Dendrobiology* 82: 1-7.

Mazza G., Angelli A.E., Cantiani, P., Chiavetta, U., Doukalianou F., Kitikidou K., Milios E., Orfanoudakis M., Radoglou K., Lagomarsino A. (2019). Short term effects of thinning on soil CO₂, N₂O and CH₄ fluxes in Mediterranean forest ecosystems. *Science of the Total Environment* 651: 713-724.

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the Peri-Urban of Xanthi in Northeastern Greece. *South-east European forestry* 10: 107-116.

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Petrou P., Stampoulidis A., Kitikidou K., Milios E. (2023). Comparison of the structural diversity of Open *Pinus brutia* Ten. Forests in Areas of Different Productivity in Central Cyprus. *Forests* 14(11), 2200. <https://doi.org/10.3390/f14112200>

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