

**Δημοσιεύσεις σε διεθνή έγκριτα περιοδικά κύρους (SCI listed journals)**

1. Doğu, D., Yilgör, N., **Mantanis, G.**, Tuncer, F.D. (2017). Structural evaluation of a timber construction element originating from *Great Metéoron* monastery in Greece. *BioResources* (submitted in).
2. Lykidis C., De Troya T., Conde M., Galvan, J., **Mantanis G.** (2016). [Termite resistance of beech wood treated with zinc oxide and zinc borate nanocompounds](#). *Wood Material Science and Engineering* DOI: 10.1080/17480272.2016.1257651 (in press).
3. Lykidis C., Bak M., **Mantanis G.**, Németh, R. (2016). [Biological resistance of pine wood treated with nano-sized zinc oxide and zinc borate against brown-rot fungi](#). *European Journal of Wood and Wood Products* 74(6): 909-911.
4. Sahin, T., **Mantanis, G.** (2016). [Colour changes of pine and fir wood treated with several titanium- and zinc- oxide based nanocompounds](#). *Advances in Forestry Letter* 5: 17-23.
5. **Mantanis, G.**, Lykidis, C. (2015). [Evaluation of weathering of furfurylated wood decks after a 3-year outdoor exposure in Greece](#). *Drvna Industrija* 66(2): 115-122.
6. **Mantanis, G.**, Terzi, E., Kartal, S.N., Papadopoulos A. (2014). [Evaluation of mold, decay and termite resistance of pine wood treated with zinc- and copper- based nanocompounds](#). *International Biodeterioration and Biodegradation* 90: 140-144.
7. Lykidis, C., **Mantanis, G.**, Adamopoulos, S., Kalafata, K., Arabatzis, I. (2013). [Effects of nano-sized zinc oxide and zinc borate impregnation on brown-rot resistance of black pine \(\*Pinus nigra L.\*\) wood](#). *Wood Material Science & Engineering* 8(4): 242-244.
8. Gortzi O., Metaxa X., **Mantanis G.**, Lalas, S. (2013). [Effect of artificial aging using eleven different wood chips on the antioxidant activity, phenolic profile, sensory properties and color of two Greek red wines](#). *Food Chemistry*, 141: 2887-2895.
9. Skarvelis M., **Mantanis, G.** (2013). [Physical and mechanical properties of beech wood harvested in the Greek public forests](#). *Wood Research*, 58(1): 1-7.
10. Papadopoulos A.N., **Mantanis, G.** (2012). [Vapour sorption studies of \*Belmadur\* wood](#). *Advances in Forestry Letter*, 1(1): 1-6.
11. Adamopoulos S., Gellerich A., **Mantanis G.**, Kalaitzi, T. and H. Militz (2012). [Resistance of \*Pinus leucodermis\* heartwood and sapwood against the brown rot fungus \*Coniophora puteana\*](#). *Wood Material Science & Engineering*, 7(4): 242-244.
12. Graikou K., Gortzi O., **Mantanis G.** and I. Chinou (2012). [Chemical composition and biological activity of the essential oil from the wood of \*Pinus heldreichii\* Christ. var. \*leucodermis\*](#). *European Journal of Wood and Wood Products*, 70: 615-620.
13. Sahin T., **Mantanis, G.** (2011). [Colour changes in wood surfaces modified by a nanoparticulate based treatment](#). *Wood Research*, 56(4):525-532.
14. **Mantanis G.**, Karastergiou S. and J. Barboutis (2011). [Finger jointing of green Black pine wood \(\*Pinus nigra L.\*\)](#). *European Journal of Wood & Wood Products*, 69(1):155-157.

**Ερευνητικές δραστηριότητες του Καθ. Γεωργίου Μαντάνη  
ΤΕΙ Θεσσαλίας / Εργαστήριο Επιστήμης & Τεχνολογίας Ξύλου  
(έτη 2010-2016)**

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15. Sahin T., **Mantanis G.** (2011). [Nano-based surface treatment effects on swelling, water sorption and hardness of wood.](#) *Maderas. Ciencia y tecnologia*, 13(1):41-48.
16. **Mantanis G.**, Adamopoulos S. and E. Rammou (2010). [Physical and mechanical properties of \*Pinus leucodermis\* wood.](#) *Wood Material Science & Engineering*, 5(1):50-52.
17. **Mantanis G.** and A.N. Papadopoulos (2010). [Reducing the thickness swelling of wood based panels by applying a nanotechnology compound.](#) *European Journal of Wood & Wood Products*, 68:237-239.
18. **Mantanis G.** and A.N. Papadopoulos (2010). [The sorption of water vapour of wood treated with a nanotechnology compound.](#) *Wood Science and Technology*, 44(3):515-522.
19. **Mantanis G.** and D. Birbilis (2010). [Physical and mechanical properties of Athel wood \(\*Tamarix aphylla\*\).](#) *Suleyman Demirel University Forestry Faculty Journal*, A(2):82-87.

<b>Παρουσιάσεις σε διεθνή επιστημονικά συνέδρια (με σύστημα κριτών)</b>
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20. **Mantanis G.**, Jones, D. (2012). [Innovative modification of wood with nanoparticulate treatment.](#) In: *Proc. of the 6<sup>th</sup> European Conference on Wood Modification*, 16/18-09-2012, Slovenia.
21. Lykidis, C., de Troya, M., Conde, M., Galván, J., **Mantanis, G.** (2016). [The termite resistance of wood impregnated with nano-zinc oxide and nano-zinc borate dispersions.](#) In: *47<sup>th</sup> Annual Meeting of the International Research Group on Wood Protection (IRG)*, Lisbon.