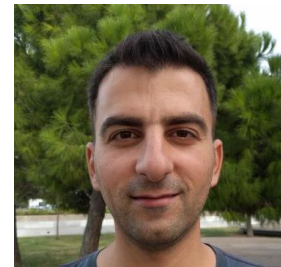


CURRICULUM VITAE – DIMITRIOS KOUTSIANITIS



Dimitrios Koutsianitis (Male) is an academic fellow at the Department of Forestry and Natural Environment Management, Agricultural University of Athens, Greece. He has a Bachelor in Forestry and Natural Environment and an M.Sc. in Harvesting and Technology of Forest Products from the Aristotle University of Thessaloniki. In 2015 he was awarded a PhD from the Aristotle University of Thessaloniki in the field of Wood Structure and Properties. In the period 2016-2017 he conducted postdoctoral research, with a scholarship of excellence of the Research Committee of the Aristotle University of Thessaloniki with the topic "Use of high frequency electromagnetic waves for analysis of growth rings width and density of coniferous and broadleaf species". In the period 2013-2014 he worked as a researcher at the Institute of Wood and Paper Technology, at the University of Western Hungary. He has also gained knowledge and experience from the manufacturing process of wood products and wooden constructions, as he has worked (period 2015-2018) as a production manager in a Greek wood manufacturing company.

He has participated in national and european research projects related to the improvement of wood properties, the production of alternative composite wood products, the quality control of wood and the utilization of biomass residues.

He teaches courses (as an academic fellow and as a lecturer PD 407/80) at the Agricultural University of Athens, at the University of Thessaly and at the Aristotle University of Thessaloniki, in the subjects of wood structure and properties, wood technology and wood quality.

He has published and continues to publish in journals with a high impact on the scientific community. His research interests relate to new technologies in wood science, techniques for improving the properties of wood, quality classification of wood, utilization of biomass residues and the development of innovative wood products.

Awards / Achievements / Grants

- Scholarship of excellence obtained from the Research Committee of the Aristotle University of Thessaloniki for conducting Post-doctoral research (period 2016-2017) in the field of Wood Science, with the topic "Use of high frequency electromagnetic waves for analysis of growth rings width and density of coniferous and broadleaf species".
- Grant obtained from the European Forest Institute (EFI) for completion of the Winter and Summer School 2013 (WSS 2013) with title "Making values work - sustaining multiple values in managed forests", held in Belin-Beliet, France (17-23 March 2103) and Pichl, Austria (30 September - 4 October 2013).
- Scholarship obtained from the Greek State Scholarship Foundation (IKY) for conducting Postgraduate studies (18 months, Jan 2008 – June 2009) in the Faculty of Forestry and Natural Environment, Aristotle University of Thessaloniki.

Journals

- Ninikas, K.; Tallaros, P.; Mitani, A.; **Koutsianitis, D.**; Ntalos, G.; Taghiyari, H.R.; Papadopoulos, A.N. Thermal Behavior of a Light Timber-frameWall vs a Theoretical Simulation with Various Insulation Materials. J. Compos. Sci. 2022, 6, 22. <https://doi.org/10.3390/jcs6010022>

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- Rammou, E.; Mitani, A.; Ntalos, G.; **Koutsianitis, D.**; Taghiyari, H.R.; Papadopoulos, A.N. The Potential Use of Seaweed (*Posidonia oceanica*) as an Alternative Lignocellulosic Raw Material for Wood Composites Manufacture. *Coatings* 2021, 11, 69. <https://doi.org/10.3390/coatings11010069>
- Ninikas, K.; Mitani, A.; **Koutsianitis, D.**; Ntalos, G.; Taghiyari, H.R.; Papadopoulos, A.N. Thermal and Mechanical Properties of Green Insulation Composites Made from Cannabis and Bark Residues. *J. Compos. Sci.* 2021, 5, 132. <https://doi.org/10.3390/jcs5050132>
- Grigoriadis, N, Kagiali, Ch., **Koutsianitis, D.**, Kechagia, Th., Papaioannou, E., Grigoriadis, S., Mixafentis, N., Matziris, E., Spanos, I., Tsitsoni, Th., Barboutis, I. Risk Assessment and Dendrochronology of Monumental Plane Trees in the Municipality of Thessaloniki. *IJAEM*, Volume 3, Issue 1, pp: 431-438. DOI: 10.35629/5252-0301431438
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- Mitani A., Ntalos, G., **Koutsianitis, D.**, Ninikas, K. 2019. Aging effect of some varnish coated wood species on color difference and surface roughness. *PRO Ligno*, Vol 15, No 4, pp. 173-178.
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- Skarvelis, M., **Koutsianitis, D.**, Mitani, A., Ntalos, G. 2019. Drying chestnut sawn timber in central Greece. *PRO Ligno*, Vol 15, No 4, pp. 101-106.
- Rammou, A., Mitani, A., **Koutsianitis, D.**, Ntalos, G. 2018. Mechanical and physical properties of particleboards made from different mixtures of industrial Hemp (*Cannabis sativa* L.) and wood. *Acad. J. Agric. Res.* 6(11): 359-362
- **Koutsianitis, D.**, Barboutis, I. 2017. Application of High Frequency Densitometry to Determine Wood Density and Ring Width of Beech Trees. *PRO Ligno*, Vol 13, No 4, pp. 78-83.
- **Koutsianitis, D.**, Voulgaridis, E. 2017. Quality grading of wooden poles produced by Scots pine (*Pinus sylvestris* L.) forests in West Rodopi (N. Greece). *Innovations in Woodworking Industry and Engineering Design*, Volume 1 (11), pp. 19-26.
- **Koutsianitis, D.**, Tsiaras, P. 2016. Time consumption and production costs of two small-scale wood harvesting systems in Northern Greece. *Small-scale Forestry*, pp 1-17.
- **Koutsianitis, D.**, Voulgaridis, E., Mitani, A. 2016. Wood production potential of beech (*Fagus sylvatica* L.) from natural forests in West Central Greece. *Biological Diversity and Conservation*, 9 (2), pp. 41-46.
- **Koutsianitis, D.**, Voulgaridis, E. 2015. Wood quality and quantity of fir and beech natural forests in relation to site fertility in West-Central Greece. *European Journal of Wood and Wood Products*, 73 (5), pp 589–595.
- **Koutsianitis, D.**, Mitani, C., Giagli, K., Tsalagkas, D., Halász, K., Kolonics, O., Gallis, C., Csóka, L. 2015. Properties of ultrasound extracted bicomponent lignocellulose thin films. *Ultrasonics Sonochemistry*, 23, pp. 148-155. ISSN 1350-4177.
- Voulgaridis, E., Adamopoulos, S., Karastergiou, S., Passialis, C., **Koutsianitis, D.**, Kortsalioudakis, N., Petrakis, P., Moustazis, S. 2015. Effects of laser drilling on mechanical properties and impregnability of fir and spruce wood. *Innovations in Woodworking Industry and Engineering Design*. Volume 1 (7), pp. 14-22.
- **Koutsianitis, D.**, Voulgaridis, E. 2014. Quantitative and qualitative wood production of fir (*Abies borisii-regis* Matff.) in different site qualities. *Innovations in Woodworking Industry and Engineering Design*, Volume 1 (3), pp. 16-25.

International conferences

- Ninikas, K., Ntalos, G., Mitani, A., **Koutsianitis, D.** 2019. Energy potentials for building materials from cellular based waste and by-products. 4th International Scientific Conference “Wood technology and product design”, Ohrid, North Macedonia, 4-7 September.
- **Koutsianitis, D.**, Voulgaridis, E., Mitani, A. 2015. Wood production potential of beech (*Fagus sylvatica* L.) natural forests in West Central Greece. The 10th International Beech Symposium, Kastamonu, Safranbolu / Turkey, 1-6 September.
- Gallis, C., Csoka, L., **Koutsianitis, D.**, Giagli, K., Halasz, K., Tsalagkas, D., Kolonics, O. 2015. The Potential of Bicomponent Nanocrystal Lignocellulose Thin Films Preparation from Agricultural and Forest Residues. 12th International Conference on Nanosciences & Nanotechnologies – NN15, Thessaloniki, Greece, 7-10 July.
- Tsiaras, P.A., Liamas, D., Efthymiou, P.N., **Koutsianitis, D.**, Voulgaridis, E. 2015. Wooden pole production in Greece. International Conference “Forestry: Bridge to the future”. Sofia, Bulgaria, 6–9 May.
- **Koutsianitis, D.**, Voulgaridis, E. 2014. Quality grading of wooden poles produced by Scots pine (*Pinus sylvestris* L.) forests in West Rodopi (N. Greece). In proceedings of 7th International Scientific and Technical Conference "Innovations in forest industry and engineering design" held in Sofia, Bulgaria, 13-15.11.2014.
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