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Keynote title: *Phenotypic and structural descriptors of the
acoustic quality of resonance wood*

Research interests:

- wood science,
- non-wood forest products,
- dendrochronology,
- classification and utilization of forest resources

Publications (selection)

- Dinulica, F.; Savin, A.; Stanciu, M.D. Physical and Acoustical Properties of Wavy Grain Sycamore Maple (*Acer pseudoplatanus* L.) Used for Musical Instruments. *Forests* 2023, 14, 197. <https://doi.org/10.3390/f14020197>
- Dinulică, F.; Stanciu, M.D.; Savin, A. Correlation between Anatomical Grading and Acoustic–Elastic Properties of Resonant Spruce Wood Used for Musical Instruments. *Forests* 2021, 12, 1122. <https://doi.org/10.3390/f12081122>
- Stanciu M.D.; Dinulica, F.; Bucur, V.; Gliga, G.V.; Nastac, S.M.; Campean, M. (2022) Changing the vibrational behavior of the wooden thin arched plates – the maestro violins experimental study case. *Thin-Walled Structures*. 2022, 109042, <https://doi.org/10.1016/j.tws.2022.109042>
- Dinulică F., Marcu V., Borz S.A., Vasilescu M.M., Petrițan, I.C. (2016). Wind contribution to yearly silver fir (*Abies alba* Mill.) compression wood development in the Romanian Carpathians. *iForest* 9, 927-936. doi: 10.3832/ifor1742-008