

Chronobiology of Trees and the Fourth Phase of Water

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Experimental research on lunisolar rhythms and on fluctuations in the biology and physiology of trees has produced a coherent body of significant data. This is of special relevance for the relationship between the moon position at tree felling date and wood properties. These data converge to the hypothesis that the reversible modifications observed in the plant-/wood-water relation are due to fluctuations of the water properties in biological systems. Information based on the discovery and characterization of special properties of the “fourth phase” of water (Pollack 2013) enable an interpretation of the data in a more precise and coherent way, thus bringing new light into astronomy-related chronobiology, revealing unexpected perspectives.

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