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Phytosociological and Ecological Structure of *Fraxinus Angustifolia* Subsp. *oxycarpa* Forests in the Central Black Sea Region

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**Abstract:** *Fraxinus angustifolia* Vahl. subsp. *oxycarpa* (Bieb. ex Willd). Franco & Rocha Afonso forests formed pure stands along the alluvial delta of the Central Black Sea Region. These forests represent hygrophylous azonal formations. This species usually forms mixed stands with other deciduous species in other regions. In this study the phytosociological structure and soil characteristics of *F. angustifolia* subsp. *oxycarpa* forests were investigated. Nutrient concentrations in the leaves of the dominant species *F. angustifolia* subsp. *oxycarpa* were also studied during mid-growing season and senescence. It was determined that nutrient concentrations tended to decrease during senescence.

**Key Words:** *Fraxinus angustifolia* Vahl. subsp. *oxycarpa* (Bieb. ex Willd) Franco & Afonso, Hydromorphic Alluvial Soils, Phytosociology.

 [Keywords](#)  
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