

Workshop 2
Poster presentation
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***Nymphaea alba* L. behaviour regarding seed germination and ex situ conservation.**

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Nymphaea alba L. is an aquatic plant wide spread in past times, but today constitutes a rare species in our territory. Many projects of habitat restoration developed by our local government included the multiplication of this plant to reintroduce it in their traditional places. In this process we detected different behaviour of samples collected in several dates. We study seed response in relation to different factors like sample maturity, storage conditions as well as dormancy breaking. Our results show a great importance of the degree of seed maturity to prolong their viability under conditions of humid storage. According to previous authors, viability is lost rapidly in dry seeds. Regarding germination percentage, we get the best results with completely mature seeds recently collected, cleaned, immersed in water, after three months stored at 5°C. All this propose the interest to determine exactly the degree of desiccation-intolerance of mature seed for this species and to study alternative storage methods.

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