

## **Ekologija in populacijska genetika hladnikovke (*Hladnikia pastinacifolia* Rchb., Apiaceae)**

### **Ecology and population genetics of *Hladnikia pastinacifolia* Rchb., Apiaceae**

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*Hladnikia pastinacifolia* Rchb., a narrow endemic, is regarded as a Tertiary relic species. Paleo-endemics are remnants of previously widespread taxa and their current distribution is sometimes reduced to small refugia. *Hladnikia* has an extremely narrow distribution area, despite many available habitats. We will discuss the plant life-history traits most likely to underlie this pattern.

Additionally, we used the genetic approach to investigate potential differentiation between and within the northern and the southern populations. We examined random amplified polymorphic DNA (RAPD) variation. *Hladnikia* was found to be highly monomorphic for RAPD. However, AMOVA analysis showed that the majority of the genetic diversity was partitioned within selected populations. The low genetic divergence between populations indicates their recent fragmentation.