

## EARLY STAGES OF ONTOGENESIS AND REPRODUCTION OF *ADONIS VERNALIS* (RANUNCULACEAE) IN THE CONDITIONS OF CRIMEA

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The work presents the results of a study of pollination, fertilization, endosperm formation and embryogenesis in a rare species of the Crimean flora *Adonis vernalis* L. (Ranunculaceae). The features of the processes of seed formation and dissemination are also described. It is shown that the main strategy for the survival of *A. vernalis* in Crimea is seed propagation and vegetative particulation. This species is characterized by the presence of the sexual process and the absence of apomixis. The main type of pollination is allogeny. The causes of the rarity of *A. vernalis* include negative anthropogenic impact, critical values of real seed productivity (up to 40%) and seed germination, as well as a small number of seedlings in cenopopulations, which, along with longevity of individuals, contributes to long-term retention of the territory, but does not provide it significant resettlement.

*Keywords:* *Adonis vernalis*, pollination, fertilization, endospermogenesis, embryogenesis, seed production

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