BIOLOGICAL ADAPTATION OF THE FLOWERING PLANTS TO THE MARITIME ANTARCTIC CLIMATE CONDITIONS

Summary

Two species native to the Antarctic, Colobanthus conditions in King George Island (South Shetland quitensis (Kunth) Bartl. and Deschampsia antarctica Desv., and one alien species, Poa annua L., are currently the only flowering plants in the Maritime Antarctic. They inhabit a wide range of habitats characterized by varied topographic, trophic and topoclimatic conditions. Histological, cytological and embryological analyand protoplast structure.

ses of plants growing under different microhabitat

Islands, Maritime Antarctic) and under greenhouse conditions revealed their high morphological plasticity. Close correlations were observed between habitat and weather conditions and plant size and habit, the number and size of vegetative and generative organs that develop during a short growing season,