

ON THE STATE OF COENOPOPULATIONS OF SOME RARE PLANT SPECIES IN TOMSK REGION

© *A. S. Prokopyev*,* *T. N. Kataeva*

National Research Tomsk State University, Siberian Botanical Garden, Tomsk, Russia

*E-mail: rareplants@list.ru

SUMMARY

The paper explores the ecological and biological features of five rare species (*Astragalus testiculatus* Pall., *Goniolimon speciosum* (L.) Boiss., *Iris humilis* Georgi, *Orostachys spinosa* (L.) C. A. Mey., *Polygala sibirica* L.) growing in the southern part of Tomsk Region in steppe communities. Species composition of phytocenoses associated with the locations of the studied species is identified. In addition, data on the seasonal cycles of development in the species and their seed productivity is provided. The demographic structure, ways of propagation and self-maintenance of coenopopulations are studied. The current state of 8 natural cenopopulations of these species is analyzed.

It is found that the studied coenopopulations are normal. Six of the coenopopulations are stable, and the other two — are conditionally stable: their habitats are under constant anthropogenic and natural destructive influence.

Key words: rare plants, coenopopulations, plant community, ontogenetic spectra, seasonal rhythm of plant growth and development, seed productivity, Tomsk region.