

**ADVANCES IN INVESTIGATION OF PHYTOCHEMICAL
CONSTITUENTS AND BIOLOGICAL ACTIVITY
OF *SELAGINELLA TAMARISCINA* (SELAGINELLACEAE)**

© **L. M. Belenovskaya, A. L. Budantsev**¹

Komarov Botanical Institute of the Russian Academy of Sciences, St. Petersburg, Russian

¹ E-mail: abudantsev@mail.ru

SUMMARY

This review represents the results of the study of chemical composition and biological activity of *Selaginella tamariscina* (P. Beauv) Spring. The most detailed information (with chemical formulas) on the variety of alkynylphenols, biflavonoids, lignanes, phytosterines and other groups of secondary metabolites is represented here. The results of the investigation *in vivo* and *in vitro* of antibacterial, antifungal, antiviral, antiinflammatory, cytotoxic, hypoglycaemic and other activities of extracts, their fractions and some components are stated in this review.

Key words: *Selaginella tamariscina*, phytochemical constituents, biological activity.