

**SYNTAXONOMIC POSITION OF PHYTOCENOSES
WITH PARTICIPATION OF *HEDYSARUM GRANDIFLORUM* PALL.
IN THE SOUTHERN PART OF VOLGA UPLAND**

M. V. Lavrentiev

*N. G. Chernyshevsky Saratov State University
83 Astrakhanskaya Str., Saratov 410012, Russia
E-mail: mihaillavrentev@yandex.ru*

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Studied in detail of 23 phytocenoses with the participation of *Hedysarum grandiflorum* Pall., located in the southern part of the Volga Upland in the administrative borders of the Saratov region. The study was conducted in 2007 – 2018. It was laid more than 600 accounting platforms. A phytocenotic diversity of communities with participation of *H. grandiflorum* in the southern part of Volga Upland. The studied phytocenoses are confined to the communities of petrophytic and fescue-feather-grass steppes. Three unranked communities have been identified. Community *Pimpinella tragi*–*Hedysarum grandiflorum* of the order *Helicotricho–Stipetalia* is characterized by low projective cover, confined to the slopes of mainly southern exposures with a large slope, and low species diversity. Communities *Artemisia santonica*–*Hedysarum grandiflorum* and *Festuca valesiaca*–*Hedysarum grandiflorum* are pre-considered as belonging to the cenotic and syntaxonomic ecotone between the orders of *Festucetalia valesiaca* and *Helicotricho–Stipetalia* and are characterized by the attraction to a more level terrain, with less steepness of slopes of different exposure and considerable projective cover. The obtained results expand the classical understanding of the phytocenotic timing of *H. grandiflorum* to the outcrops of soil-forming rocks as obligate calciphil. *H. grandiflorum* can also be found in the fescue-feather grass steppes, although in the latter this species feels uncomfortable.

Key words: *Hedysarum grandiflorum*, syntaxonomy, petrophytic steppes, rare species, ecotone, vegetation, calciphile plant.

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