

**SCULPTURE OF POLLEN GRAIN SURFACE IN SOME *TULIPA* SPECIES  
(LILIACEAE) IN THE COLLECTION OF THE CENTRAL SIBERIAN  
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**DOI:** 10.31857/S0006813622070043

The article presents the results of studies of the surface sculpture of pollen sporoderm of 12 species from 4 sections of the genus *Tulipa* L. according to the classification by A.I. Vvedensky in “Flora URSS”. The pollen was examined under a scanning electron microscope. The sporoderm sculpture in the pollen grains is simple, three types being distinguished: tuberculate with tapes (*Leiostemones*, *Spiranthera*), striated (*Eriostemones*) and reticulate (*Orithyia*). The aperture is without (*Leiostemones*) or with operculum (*Spiranthera*, *Eriostemones*, *Orithyia*). Our study of pollen morphology from 4 sections confirms the classification of the genus by Vvedensky, and we do not consider it appropriate to abolish the section *Spiranthera* as it was done by modern scientists. *Tulipa urumiensis* and *T. tarda*, should be considered as closely related but separate species on the base of our results.

*Keywords:* *Tulipa*, sporoderm, exine sculpture, classification

**ACKNOWLEDGEMENTS**

The research was carried out within the project “Analysis of biodiversity, conservation and restoration of rare and resource plant species using experimental methods” (number of state registration AAAA-A21-121011290025-2).

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