

===== **STRUCTURAL ORGANIZATION OF ECOSYSTEMS** =====  
**AND PATTERNS OF THEIR DISTRIBUTION**

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**FLORA OF THE BOLSHESELSKY AND BORISOGLEBSKY DISTRICTS  
OF THE YAROSLAVL REGION**

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*\*M.V. Lomonosov Moscow State University*

*1, Build. 12, Leninsky Gori, Moscow, 119234, Russia. E-mail: dmoltsov@mail.ru*

*\*\*Dubna State University, Faculty of Science and Engineering*

*19 Universitetskaya Str., Dybna, Moscow Region, 141980, Russia*

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As of now, there is no an up-to-date list of flora for the Yaroslavl Region. In this regard, we decided to compile a “List of Vascular Plants of the Yaroslavl Region”, detalizing it down to the administrative districts. After a thorough study of herbarium collections and literary sources, we realized that there is very little specific floristic information on some districts, and therefore those districts require additional study. Among them, we picked Bolsheselsky and Borisoglebsky.

Currently, we have identified 669 taxa of vascular plants in these districts, of which 546 are native and 123 are adventive. The flora of Bolsheselsky District has 586 taxa identified (493 native, 93 adventive), while the flora of Borisoglebsky District has 536 taxa (447 native, 89 adventive). Thus, we consider the level of flora identification in these districts satisfactory. Two species from the federal Red Data Book were found in Bolsheselsky District: *Dactylorhiza baltica* and *D. traunsteineri*. Both species were discovered in a bog near Lake Bogoyavlensky. Additionally, *D. baltica* was discovered in a humid meadow near the village of Bolshoye Muravyovo.

The main basis for analysis of the protected plant species was the Red Data Book of the Yaroslavl Region (2015), its main list containing 175 species of vascular plants, and another 31 species included in the monitoring list. At different times, 42 species from the main list (31 in Bolsheselsky, 22 in Borisoglebsky) and 22 species from the monitoring list (19 and 16, respectively) were recorded in the studied districts.

**Keywords:** Yaroslavl Region, Bolsheselsky District, Borisoglebsky District, flora, list of vascular plants, Herbarium of P.G. Demidov Yaroslavl State University.

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