

NEW RECORDS OF GRASSES (POACEAE) IN KABARDINO-BALKARIA BASED ON THE HERBARIUM MATERIALS OF THE TEMBOTOV INSTITUTE OF ECOLOGY OF MOUNTAIN TERRITORIES OF RUSSIAN ACADEMY OF SCIENCES

E. I. Stepanyan^{a,#}, N. L. Tsepkova^{a,##}, and V. A. Chadaeva^{a,###}

^a Tembotov Institute of Ecology of Mountain Territories of Russian Academy of Sciences
I. Armand Str., 37a, Nalchik, 360051, Russia

[#]e-mail: gerbarium16@yandex.ru

^{##}e-mail: cenelli@yandex.ru

^{###}e-mail: v_chadayeva@mail.ru

The herbarium collection of the Tembotov Institute of Ecology of Mountain Territories of Russian Academy of Sciences contains 102 species from 46 Poaceae genera, that is about 74% of genera and 54% of species of grasses of the wild flora of the Kabardino-Balkar Republic. Most of the plants were collected during expeditions in the mountain areas of the region, since the plain and foothill territories are ploughed up for agriculture. Four species from the herbarium collection (*Eleusine indica* (L.) Gaertn., *Bromus scoparius* L., *Stipa pontica* P.A. Smirn., *Eriochloa villosa* (Thumb.) Kunth) were not previously reported from the flora of Kabardino-Balkaria. We also recorded new localities of *Puccinellia dolicholepis* (V.I. Krecz.) Pavlov, *Melica altissima* L., *Bromopsis gordjaginii* (Tzvelev) Galushko, hitherto known from other florogenetic regions of the Caucasus.

Keywords: herbarium collection, Kabardino-Balkar Republic, floristic records

DOI: 10.31857/S0006813621090118

ACKNOWLEDGEMENTS

The studies were carried out as a part of the state assignment no. 075-00347-19-00 “Patterns of the spatiotemporal dynamics of meadow and forest ecosystems in mountainous areas (Russian Western and Central Caucasus)”. The authors are grateful to I.N. Belotserkovskaya, the head of the Sector of Natural History in the National Museum of the Kabardino-Balkar Republic for providing information on the herbarium collection of the Museum.

REFERENCES

- Dakieva M.K. 2008. Floristicheskiy analiz semeystva zlakovykh v ravninnoy chasti Respubliki Ingushetiya [Floristic analysis of grass family in the plain part of the Republic of Ingushetia]. – In: Collection of scientific papers of the Ingush State University. Iss. 6. Magas. P. 60–75 (In Russ.).
- Galushko A.I. 1976. Florogeneticheskiye rayony Tsentral'nogo Kavkaza [Florogenetic regions of the Central Caucasus]. – In: Flora Severnogo Kavkaza. Stavropol. P. 7–32 (In Russ.).
- Galushko A.I. 1978. Flora Severnogo Kavkaza. Opredelitel' [Flora of the North Caucasus. Identification guide]. Vol. 1. Rostov-on-Don. 317 p. (In Russ.).
- Grossheim A.A. 1936. Analiz flory Kavkaza [Analysis of the flora of the Caucasus]. Baku. 260 p. (In Russ.).
- Ivanov A.L. 2001. Konspekt flory Stavropol'ya [Abstract of flora of the Stavropol region]. Stavropol. 200 p. (In Russ.).
- Krapivina E.A., Shkhagapsoev S.Kh., Kalashnikova L.M. 2010. Rol' gerbariya Kabardino-Balkarskogo gosudarstvennogo universiteta v izuchenii flory Kavkaza [The role of the herbarium of the Kabardino-Balkarian State University in the study of the flora of the Caucasus]. – In: Izuchenie flory Kavkaza. Tezisy dokladov Mezhdunarodnoy nauchnoy konferentsii. Pyatigorsk. P. 58–59 (In Russ.).
- Menitsky Yu.L. 1991. The project “The synopsis of the Caucasian flora”. The map of floristic districts. – Botanicheskiy zhurnal. 76 (11): 1513–1521 (In Russ.).
- Murtazaliev R.A. 2009. Konspekt flory Dagestana [Dagestan flora conspectus]. Makhachkala. 320 p. (In Russ.).
- Shkhagapsoev S.Kh. 2015. Rastitel'nyi pokrov Kabardino-Balkarii [Vegetation cover of Kabardino-Balkaria]. Nalchik. 352 p. (In Russ.).
- Shkhagapsoev S.Kh., Kirzhinov G.Kh. 2004. Gerbariy Kabardino-Balkarskogo gosuniversiteta (KBNG) [Herbarium of the Kabardino-Balkar State University (KBNG)]. Nalchik. 107 p. (In Russ.).
- Sukhorukov A.P., Kushunina M.A. 2012. New data on the adventive alien flora of the Belgorod region. – Belgorod State University Scientific Bulletin. 21 (140): 40–46 (In Russ.).
- Taisumov M.A., Omarkhadzhieva F.S. 2012. Analiz flory Chechenskoi Respubliki [Analysis of the flora of the Chechen Republic]. Grozny. 318 p. (In Russ.).
- Tembotov A.K., Shebzukhova E.A., Tembotova F.A., Tembotov A.A., Vorokova I.L. 2001. Problemy ekologii gornykh territoriy [Ecology problems of mountain territories]. Maykop. 186 p. (In Russ.).

Tsvelev N.N. 2006. Fam. Poaceae Barnhart (Gramineae Juss.). – In: Caucasian flora conspectus. Vol. 2. Saint-Peterburg. P. 248–378 (In Russ.).

Tzvelev N.N., Probatova N.S. 2019. Grasses of Russia. Moscow. 646 p. (In Russ.).

Zernov A.S., Alekseev Yu.E., Onipchenko V.G. 2015. Opre-delitel' sosudistykh rasteniy Karachaevo-Cherkesskoy Respubliki [Identification guide of vascular plants of the Karachay-Cherkess Republic]. Moscow. 459 p. (In Russ.).