

## – Announcement of a new checklist from the Balkans –

Seven experts have compiled a first checklist of the Orchidaceae for Bosnia and Herzegovina, which will be published in our journal **Phyton Annales rei botanicae**. The printed volume 61 (2021) will be available early in 2022. An electronic version of this article is published *instant online* these days and can be purchased from the website of the publisher (Verlag Berger, Horn, Austria) under:

<https://www.verlag-berger.at/?listview&link=0323051>

## Checklist of the *Orchidaceae* of Bosnia and Herzegovina

by

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### Summary

The Balkan Peninsula is recognized as an important center of orchid diversity in Europe. However, the orchid flora of the central Balkans has not been sufficiently studied. This paper presents the first checklist of orchids in Bosnia and Herzegovina. Checking and revision of herbarium material, personal field investigations, and published sources were used to complete the present survey of extant orchid taxa. Categorization of the records of orchid species and subspecies according to the degree of their reliability was performed in detail. With allowance for recent taxonomic and nomenclatural changes, it can now be asserted that a total of 76 orchid species and subspecies and two hybrids belonging to 22 genera are reported for the country. The most species-rich genera are *Orchis* (12 taxa), *Dactylorhiza* (10), *Anacamptis* (8), *Epipactis* (7) and *Ophrys* (7). A peculiarity of the orchid flora of Bosnia and Herzegovina is the presence of two Balkan endemics: *Dactylorhiza cordigera* subsp. *bosniaca* (BECK) SOÓ and *Himantoglossum calcaratum* (BECK) SCHLTR. subsp. *calcaratum*. Due to the great diversity of topography, climatic conditions, soil characteristics, and vegetation, it is assumed that the number of orchid taxa in Bosnia and Herzegovina is higher, and it is expected that new taxa will be recorded over time.

The Institute of Biology, Division of Plant Sciences (formerly the Institute of Botany) of the University of Graz maintains a long tradition of contributing local floristic studies and checklists of lichens and lichenicolous fungi of Southeast Europe. These papers have been published in various journals and series, e.g. Bibliotheca Lichenologica, Herzogia, Phytion Annales rei botanicae (e.g., “The Lichens of Croatia” in vol. 58/1, 2018), Fritschiana.

The present issue of Fritschiana gives us an opportunity to announce a new checklist list of Orchidaceae for Bosnia and Herzegovina which will be published in Phytion Annales rei botanicae, another journal edited by the Institute of Biology of the University of Graz.

In the introduction, the most important early contributions to the knowledge of the orchid flora of Bosnia and Herzegovina are cited, as well as several recent articles. The core results of the paper are arranged in Table 1 (example):

Current taxon name	Literature	Herbarium material	Status
<b><i>Anacamptis coriophora</i></b> (L.) R. M. BATEMAN, PRIDGEON & M. W. CHASE subsp. <b><i>coriophora</i></b>	KUMMER & SENDTNER (1849: 764) → <i>Orchis coriophora</i> L.	SARA, HRM, E.Š., D.M.	+

The ‘Current taxon name’ is mostly identical with the current name in the World Checklist of Selected Plant Families (RBG Kew) or in the Euro+Med Plantbase, respectively. Under ‘Literature’ the authors cite the earliest known record of the taxon in Bosnia and Herzegovina, together with the name used in this source. Under ‘Herbarium material’ the user will find abbreviations of herbaria where the voucher specimens are kept. Some of these herbaria are listed in the Index Herbariorum (Steere Herbarium, NYBG), others are private. HRM is the Herbarium of the Regional Museum Visoko. The four ‘Status’ categories are ‘confirmed’ (+), ‘Literature’ (L, unconfirmed but credible, ‘doubtful’ (?), and ‘erroneous’ (–).

In the course of the preparation of this checklist, the occurrence of 71 orchid taxa (c. 82 % of all recorded taxa) in Bosnia and Herzegovina has been confirmed by extensive field and herbarium studies. Among other aspects, the discussion highlights the successful clarification of several taxonomic/chorological issues, e.g. in the genera *Himantoglossum* and *Anacamptis*, but also the urgent need for additional studies on taxonomically difficult groups, for instance in the genera *Dactylorhiza* and *Epipactis*.

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(Managing Editor Phytion)



<https://biologie.uni-graz.at/de/phyton>

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