



**PRELIMINARY RESULTS OF THE INVENTORY AT LICHEN HERBARIUM
OF THE UNIVERSITY OF DEBRECEN**

Előzetes eredmények a Debreceni Egyetem zuzmóherbáriumának feldolgozásában

**Gábor Matus^{1*}, Dominik Hricsovinyi¹, Anett Barabás¹
Rebeka Aszalósné Balogh¹, Kinga Varga¹ & László Lőkös²**

¹University of Debrecen, Debrecen; ²Hungarian Natural History Museum, Budapest;
*E-mail: matus.gabor@science.unideb.hu

The first inventory at lichen herbarium of the University of Debrecen has been drawn up between 2018 and 2020. The collection, known also as the László Sántha (1886–1954) herbarium, has not been studied till now. Our new database contains records on a total of 2091 specimens dated between 1845 and 1968 (over 93% from first half of the 20th century). Geographical focus of the collection falls to Central Europe and to a smaller extent to the Balkans. Specimens originate from 18 countries regarding the recent political borders. The largest share, over 46% of specimens, comes from Hungary. Further significant portions come from Croatia, Slovakia and Romania so specimens from the above-mentioned four countries make up almost 90% of total. Further 1–5% parts originate from the Czech Republic, Serbia, Ukraine and Montenegro. Most Hungarian specimens have been collected from Balaton-felvidék, Bakony, Buda Mts, Jászság, Külső-Somogy, Tolnai-hegyhát and Völgység. Specimens originate from over 80 identified collectors, mostly from L. Sántha (49%) but also over 5% comes from L. Felföldy, M. Fucskó and J. Tomek, respectively. At least 1% of specimens originates from B. Dornyai, F. Schenk, Ö. Szatala, Gy. Timkó, J. Andrasovszky, S. Mágocsy-Dietz and S. Polgár, respectively. In addition to fundamental data (species name on label, date, collector, locality and substrate) we intended to identify the administrative and geographic affiliation of collection site. Also we identified CEU floristic mapping grid code of the locality as far as it was possible. Part of the specimens have also been photographed and certain genera (*Bacidia*, *Xanthoparmelia*) revised. Full taxonomic revision of the collection, however, requires a longer period of time. The herbarium is dominated by specimens of showy and widespread macrolichens (about 40 taxa) which make up *ca* 1,200 specimens in total. A likely estimate of species present in the collection falls between 175 and 225. Recent survey proved that the most valuable part of the collection is formed by specimens from high mountain ranges of the Carpathian Basin (of alpine and subalpine belt in Slovakia and Romania), missing or very rare among recent borders of Hungary. Historic records of legally protected species (*Cladonia magyarica*, *C. rangiferina*, *Xanthoparmelia pokornyi*) and detailed historic data from certain geographic regions in Hungary and Croatia are also important. Our work has been supported by the EFOP project “A Debreceni Egyetem fejlesztése a felsőfokú oktatás minőségének és hozzáférhetőségének együttes javítása érdekében” under the contract number 3.4.3-16-2016-00021.