

Weevils (Coleoptera, Curculionoidea) found in several green spaces from Cluj-Napoca (Romania)Lucian Alexandru TEODOR*¹, Dragomir Cosmin DAVID²^{1,2} Department of Ecology and Taxonomy, Faculty of Biology and Geology, Babes-Bolyai University, 5-7 Clinicilor Street, Cluj-Napoca, Romania

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Abstract: In the area of Cluj-Napoca, so far have been reported 174 weevils species, of which only 18 have been reported within the locality. Weevils were collected in 2012, 2014-2015 and sporadically in 2009-2010 and 2013, with entomological nets, umbrella nets, the leaf sieve and by hand, directly from plants and soil, in Iuliu Hațieganu Park, Rozelor Park, Colina Park (Polus), green spaces in the Zorilor District and the green area near the Faculty of Biology, 5-7 Clinicilor Street. We collected and identified individuals from 72 species belonging to 11 subfamilies of the superfamily Curculionoidea. Of these 72 species, 32 were re-found by us, and the other 40 are at their first reporting in the Cluj-Napoca area. The best represented was the subfamily Entiminae (23 species), followed by the subfamilies Apioninae (14 species) and Conoderinae (11 species). *Otiorhynchus (Podoropelmus) rotundus* Mars. and *O. (s.str.) armadillo* Ros. are characteristic only of urban green spaces. We note the presence of species *Rhopalapion longirostre* Oliv. and *Alocentron (s.str.) curvirostre* Gyll. on *Alcea rosea* L. and the presence on *Aegopodium podagraria* L. of 3 *Liophloeus* species: *L. (Liophloeodes) lentus* Germ., *L. (s.str.) tessulatus* O. F. Müller and *L. (Liophloeodes) liptoviensis* Weise., the latter being endemic to the Carpathians. Besides common species: *Sciaphobus (Neosciaphobus) squalidus* Gyll., *Eusomus ovulum* Germ., *Phyllobius (Metaphyllobius) pomaceus* Gyll., *P. (s.str.) betulinus betulinus* Bech., *P. (Nemoicus) oblongus* L., *Nedyus quadrimaculatus* L. etc, 4 species considered rare were also present: *Omphalapion dispar* Germ., *Ceutorhynchus puncticollis* Boh. *Polydrusus (Eustolus) corruscus* Germ. and *P. (Eustolus) flavipes* De Geer. Through our contribution, we raise the number of weevil species in and around of Cluj-Napoca to 214, of which 86 within the locality. The weevils present in the green spaces within the city of Cluj-Napoca highlight the importance of these spaces as a refuge for this group of insects, compensating for the disappearance of some of the natural habitats in the area, in place of which housing was built.

Key words: city, faunal studies, diversity, first record, host plants, rare species

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