

## **MELOE VIOLACEUS A MELOE RUGOSUS (COLEOPTERA: MELOIDAE) NA ANTROPICKY SILNE NARUŠENEJ LOKALITE V CHKO ŠTIAVNICKÉ VRCHY**

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### **ABSTRACT**

Veverka M. & Wiezik M. *Meloe violaceus* and *Meloe rugosus* (Coleoptera: Meloidae) at a heavily disturbed locality in the Protected Landscape Area Štiavnické vrchy

Family Meloidae belongs to the one of the most endangered European family of beetles (Coleoptera). Majority of its species, according to Red List of Endangered Plants and Animals of Slovakia, belongs to categories EN – endangered and VU – vulnerable. The authors have observed an extremely strong population of *M. violaceus* Marsham, 1812 together with *M. rugosus* Marsham, 1812 within a complex of mining dumpings in Lintich near Banská Štiavnica, during their field research in March 2002. Due to heterogeneity of the locality 3 sample sites were set. Using the quadrature method authors detected an occurrence of 129 individuals of *M. violaceus* and 4 individuals of *M. rugosus* within 77 quadrates each of an 1 m<sup>2</sup> area. The highest population density of *M. violaceus* was detected on 3-th sample site and was estimated 3.6 spec.m<sup>-2</sup>. The overall population of *M. violaceus* in Lintich is estimated not less than 115 000 adults. Such vital population of meloids needs to be supported by a presence of enormous population of the host (in this case ground-bee and bumble-bee). Most presumably the hosts inhabit the former clarifying basins top layer, currently filled with sandy cinder. In order to protect this unique population of rare species determination of principles for differential maintenance of Lintich area is needed.

**Key words:** *Meloe violaceus*, *Meloe rugosus*, Meloidae, Lintich, mining dumpings, Štiavnické vrchy Mts., Slovakia