Cave ostracoda (Crustacea) from western Black Sea region of Turkey

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The studies about cave ostracods in the world are limited but need more attention. Until now, about 113 taxa (89 species and 24 subfossil), one new subfamily and one new genus have been detected in cave environments. However, this number is believed to be underestimated. Indeed, during the present study, seven ostracod taxa (*Candona neglecta, llyocypris inermis, l. bradyi, Candona* sp., *llyocypris* sp., *Pseudocandona* sp. and *Heterocypris* sp.) collected from 11 cave sites of three cities (Zonguldak, Düzce, Adapazari) in Western Black Sea Region of Turkey were reported. Three species (*C. neglecta, l. inermis*, and *l. bradyi*) were the first reports from caves in Turkey. These species reported herein show cosmopolitan distribution along with high levels of ecological tolerances to different factors.

Thus, such high tolerances and wide distribution ability may probably support their occurrence within the cave environments. Unweighted Pair Group Mean Averages (UPGMA) distinguished the sites into 3 main clusters based on physical and ecological characteristics. Accordingly, about 85% of similarities were found among the caves.

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