

## Morphological variation of *Barbus lacerta* in different Rivers of Kermanshah Province

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During summer 2013, this study was carried out to investigate and compare the morphological characteristics of *Barbus lacerta* from three river drainages of Tigris basin in the Kermanshah Province. A total of 92 specimens were randomly collected from the Sirvan, Alvand and Sepidbarg river drainages, fixed in the buffered formaldehydes and transferred to the laboratory for further analysis. 45 morphometric characters were measured using a digital caliper and 10 meristic traits were counted under a stereomicroscopy. In addition, 33 ratio characters were obtained by dividing morphometric data on standard and head lengths. For comparison of the studied populations, their morphometric and meristic data were analyzed by Principal Component Analysis and Canonical Variant Analysis/MANOVA. The results showed that the studied populations are different in term of morphological characters. In addition, it seems that Alvand river drainage populations of *B. lacerta* belongs to a undescribed taxon.

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