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Evaluation of the Turkish Delphacidae Fauna

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The Delphacidae is an economically important family of Hemiptera because they cause damage on plants by feeding and as vector of plant disease. Turkey is an agricultural country and located in the intersection of three floristic regions, Circumboreal, Irano-Turanian, and Mediterranean. For these reasons, determination of delphacids is important both for pest control and biodiversity research of Turkey. In this study, the delphacid fauna of Turkey and the distribution of species within the country were evaluated by examining the published studies on delphacids up to date. As a result, it was determined that 62 species belonging to 34 genera of the family Delphacidae occur in Turkey. There are only few faunistic studies on delphacids in Turkey. Thus the real number species may be higher. This study is considered to summarize our present knowledge to determine needs for future research.