Uneven Habitat Characterisation by Using Geo-Gebra Software in the Lacewings (Insecta: Neuroptera), Knowing When to Calculate the Habitat: Creating More Informative Ecological Experiments

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Abstract : A wide variety of traditional methodologies has been enhanced for characterising smooth habitats in order to find out different environmental objectives. The habitats were characterised based on size and shape by using Geo-Gebra Software. In this study, an innovative approach to researching habitat characterisation in the lacewing species, GeoGebra software is utilised. This approach is demonstrated using the example of 'surface area' as an analytical concept, wherein the goal was to increase clearness for researchers, and to improve the quality of researching in survey area. In conclusion, habitat characterisation using the mathematical programme provides a unique potential to collect more comprehensible and analytical information about in shapeless areas beyond the range of direct observations methods. This research contributes a new perspective for assessing the structure of habitat, providing a novel mathematical tool for the research and management of such habitats and environments. Further surveys should be undertaken at additional sites within the Amanos Mountains for a comprehensive assessment of lacewings habitat characterisation in an analytical plane. This paper is supported by Ahi Evran University Scientific Research Projects Coordination Unit, Projects No:TBY.E2.17.001 and TBY.A4.16.001.
Keywords : uneven habitat shape, habitat assessment, lacewings, Geo-Gebra Software

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