



Contributions to the identification of aphid species by computerized analysis of some morphological characters

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The purpose of this paper is to present some methods of identification of the different aphid body parts by computerized image analysis. The main steps to be taken to achieve this goal are: preparation of the image for analysis, identification of the visual characteristics that define and distinguish every body part in particular and finding of ways to highlight them. This computer aided procedure would help the aphid species determination process by spotting the key characteristics which differentiate the potato aphid species.