عنوان مقاله:

Modelization of Land Degradation by Desertification Using Medalus Method North-western Algeria

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خلاصه مقاله:

Algeria is one of countries that are highly affected by desertification. the latter is the consequence of a set of multiple processes. for this purpose, there is a need to study this problem by quantitative approaches. In this study, we apply the MEDALUS method (Mediterranean Desertification and Land Use) to a watershed located in Saida town in semi-arid environment in the south west of Algeria. The method is based on sensitive areas identification by making use of the different parameters that may affect the desertification process such as vegetation, soil, climate and management. Spatial analyses are strong tool that allow modelization of each indicator. Results show that according to European standards, a large scale of the watershed falls into critical classes. Besides, the modelization approach leads to a best comprehension of desertification process showing for example that natural vegetation limits the desertification process even if the soil quality is medium or even low.

کلمات کلیدی:

Algeria, Desertification, MEDALUS, Modelization.

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