Abstract

Fires' Impact on Olive Orchards in Kabylia (North of Algeria): Use of GIS and Remote Sensing †

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Abstract: This study was carried out in Kabylia in the north of Algeria, an area composed of olive orchards, cork oak forests, and other vegetation. The aim of this study is to assess the impact of fires on olive orchards in the considered area. Therefore, we used remote-sensing and geographic-information systems. The final result of this study is the classification of our observation spots on a level realized by the overlay of different thematic maps and satellite images. This level varies from null impact in the well-maintained areas to extreme impact in the abandoned areas.

Keywords: olive orchards; fires; Kabylia; impact; remote sensing; GIS

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