

**XXVIII INTERNATIONAL SYMPOSIUM ON  
MODERN TECHNOLOGIES, EDUCATION AND PROFESSIONAL  
PRACTICE  
IN GEODESY AND RELATED FIELDS**

**Sofia, 08 - 09 November 2018**

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**Using GIS of soil resources to assess the impact  
of the forest fire on the change of some soil  
characteristics**

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**Abstract:** *It is typical of our country that each year as a result of forest fires occurring large areas are being devastated. The consequences of fires are expressed in deforestation, soil erosion, changes in biodiversity, degradation of forests and ecosystems.*

*The aim of the present study is to evaluate the changes of some characteristic parameters of soil as a result of fire. For achieving the objective, changes in pH, humus content and chemical composition of the soil before and after the fire were assessed by using GIS of soil resources. Studies have been conducted in the village of Frolosh, Kyustendil district, in 2016.*

**Keywords:** *soils, soil characteristics, forest fire, ecosystems, GIS of soil resources*

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