



## **The main characteristics of soil temperature regime in the agriculture zone of Albania.**

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In this paper, the main characteristics of soil thermal regime over the Myzeqeja coastal zone have been evidenced.

This has been realized studying annual course of soil temperature as well as their changes in time and different depths based on the mean annual and experimental data which coincident with the other theoretical studies.

The relationship between the average air temperature at 2 meter height and the soil temperature in the different depths, using the simple equation of linear regression  $y=ax+b$  has been found.

Also, the data of occurrences of extreme temperature go down to the depth as well as the coefficients of the heat conductivity of soil temperature  $K= \lambda/c\rho$  for the Lushnja and Fieri zone has been evaluated.

Based on the formula and well-known methods the generalized equations are found out which express the changes of extreme temperature to the different depths.

Also, the mean data of beginning and ending of the frosts in the surface soil, their reach in the depths as well as return period, which become important in the agrometeorological studies, are given.

The aim of this study is evidencing the biggest potential possibility according to climatic conditions is exist in this part of the country. In this way we want to emphasize this possibility and to produce the opinion, how to manage that in optimal mode in order to serve better the diurnal agriculture practices.