

## Monitoring Three-Dimensional Models of Tree and Forest by Using Digital Close-Range Photogrammetry

**Authors :** S. Y. Cicekli

**Abstract :** In this study, tree-dimensional model of tree was created by using terrestrial close range photogrammetry. For this close range photos were taken. Photomodeler Pro 5 software was used for camera calibration and create three-dimensional model of trees. In first test, three-dimensional model of a tree was created, in the second test three-dimensional model of three trees were created. This study aim is creating three-dimensional model of trees and indicate the use of close-range photogrammetry in forestry. At the end of the study, three-dimensional model of tree and three trees were created. This study showed that usability of close-range photogrammetry for monitoring tree and forests three-dimensional model.

**Keywords :** close- range photogrammetry, forest, tree, three-dimensional model

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