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A Description of the Vegetation Mosaic of the Forests of Yirce and Muratdere (Bilecik-Bursa, Turkey) by Satellite Remote Sensing

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Abstract: The aim of this study is to describe the cut-off borders and the structure of vegetation mosaics of existing plant communities in the area, using traditional flora and vegetation methods and satellite remote sensing (Landsat satellite pictures and Geographical Information System (GIS) data). The results indicate that *Pinus nigra* L. subsp. *pallasiana* (Lamb.) Holmboe and *Fagus orientalis* Lipsky plant communities together with *Quercus pubescens* Willd. and *Quercus cerris* L. var. *cerris* could be differentiated. The coverage rates of dominant plant communities in the research area were as follows: *Fagus orientalis* (92%), *Pinus nigra* subsp. *pallasiana* (73%), *Quercus pubescens* and *Quercus cerris* var. *cerris* (55%).

Key Words: Remote Sensing, GIS, Vegetation, Ecology.

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