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**PP-138**  
**INVESTIGATIONS OF ETHNOBOTANICAL ASPECT OF WILD PLANTS SOLD IN ESPIYE (GİRESUN) LOCAL MARKETS**

**R. Polat<sup>1</sup>, Z. Türkmen<sup>2</sup>, U. Çakılciöğlü<sup>3</sup>, K. Kaltahoğlü<sup>4</sup>**

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This study focused on the wild plants which are important commercially. It was carried out with the purpose of identifying commercial wild plants that sold in the local markets of Espiye (Giresun) region. Field study was carried out over a period of approximately 1 year (2012-2013). The main material of this study being plants gathered and sold in the region. Field work was concentrated in the zones where the plants in question are most intensively gathered, as well as in the local markets where the plants are offered for sale. Interviews were conducted with people in research area and settlement. Resource people were selected who has knowledge and experience about topic and recognized around the people. The information was obtained from 40 resource people. Ethnobotanical data were collected through these studies. Working group is composed of usually 3, sometimes 4 people. As result of researches at the local markets ethnobotanical uses of 32 plants were recorded. These included folk medicine, herbal tea, spices and food. The most common ethnobotanical plant families were Rosaceae, Lamiaceae, Apiaceae, Asteraceae, and Fabaceae.

**PP-139**  
**AN INVESTIGATION ON PLANT USED HANDCRAFTS IN ESPIYE (GİRESUN)**

**R. Polat<sup>1</sup>, Z. Türkmen<sup>2</sup>, U.Çakılciöğlü<sup>3</sup>, K. Kaltahoğlü<sup>4</sup>**

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In this study, the plants used handicrafts of the local people living in Espiye (Giresun) district were

investigated. Plants that benefit from handicrafts of local people such as woodworking, basket, seat, canopy, amulets, brooms, dyestuffs and so on were identified and usage of these plants have been revealed. To transfer in a healthy way to future generations by identifying preserved plants and to investigate systematically traditional knowledge belonging to plants that use handicrafts of local people in Espiye (Giresun) are the main targets of this study. The research was conducted in villages and local markets where belong to Espiye district of Giresun. Field study was carried out over a period of approximately 1 year (2012-2013). Interviews were conducted with people in research area and settlement. Resource people were selected who has knowledge and experience about topic and recognized around the people. In the region, 27 plant taxa were identified to be used in handicrafts. With this study, products derived from plants collected from vicinity and theirs processing phases have been recorded. In area; wood works (13 taxa), dyestuffs (3 taxa), broom (3 taxa), basket-seat (5 taxa) and 3 taxa to be use of other areas were determined.

**PP-140**  
**A COMPARATIVE STUDY OF THREE *ALOE* SPECIES USED IN TREATMENT OF SKIN DISEASES IN SOUTH AFRICAN RURAL COMMUNITIES**

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*Aloe* species have been noted to be a miracle cure used by indigenous people of Southern Africa. Geographically, each of the three *Aloe* species (*Aloe arborescens*, *Aloe excelsa* and *Aloe ferox*) has a specific habitat. Although some species overlap in geographical regions, the species most abundant in a region is most often utilized by indigenous people. All three species display similar curative properties, aiding in wound healing, cures against other skin ailments, and some systemic conditions. All three *Aloe* species indicated high inhibitory activity against all Gram (+) bacteria under investigation. The ethanol extract was most effective and inhibited all Gram (+) bacteria and two Gram (□) bacteria (i.e. *Proteus vulgaris* and *Escherichia coli*). All fungal species under investigation were successfully inhibited by both the boiled water as well as the ethanol extract.