

ABSTRACT

THE URBAN FLORA OF AYDIN

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2013, 131 Pages

This study was carried out to determine Urban Flora of Aydın. The research area is located in C1 square according to Davis's grid system. Among the 698 plant specimens Feb. 2011 and Sept. 2013, 457 taxa, belonging to 86 families and 313 genera were identified. Out of the detected 457 taxa, two taxa belong to *Pteridophyta* and the rest 455 taxa belong to the *Magnoliophyta*. Within the *Magnoliophyta* five taxa belong to the *Pinophytina* subdivision while the other 449 taxa belong to the *Magnoliophytina*. As a result of this study, four endemic species namely *Allium proponticum* subsp. *proponticum*, *Scrophularia floribunda*, *Onopordum boissierianum* and *Ranunculus isthmicus* subsp. *tenuifolius* were recorded in research area. Phytogeographical distributions of taxa are as follows: Mediterranean 198 (% 43.32), Euro-Siberian 34 (% 8.09), Irano-Turanian 13 (% 2.84), East Mediterranean 58 (% 12.69), pluriregional or unknown 154 (% 33.06). Analysis of the recorded taxa based on life forms of Raunkiaer showed that therophytes 224 (% 48.97) are the most common life form in research area. Hemicryptophytes 107 (% 23.41), geophytes 42 (% 9.19), chamaephytes 16 (% 3.50) and parasites 3 (% 0.65) follow the therophytes respectively. Allowing for the comparison, the results of other studies which are close to the research area are presented, as well.

Key Words: Aydın, Urban flora, systematic, phytogeographical division, Turkey