

AN ETHNOBOTANICAL STUDY FROM EUROPEAN PART OF ISTANBUL (ÇATALCA) IN TURKEY (I)*

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S U M M A R Y

In Çatalca [A2(E) İstanbul] 44 vascular plant species are determined that are used as food or for the other purposes (expect medicinal). In addition, 91 vernacular plant names are reported.

Ö Z E T

Çatalca [A2(E) İstanbul] yöresinde halkın yiyecek olarak veya diğer amaçlarla, (tıbbi kullanılışı hariç) kullandığı 44 tür saptanmıştır. Ayrıca bölgede yetişen bitkilerden 91 yöresel ad kaydedilmiştir.

Key words: Çatalca, European Turkey, İstanbul, ethnobotany, vernacular names

I N T R O D U C T I O N

Çatalca is situated in European part of İstanbul in the northwest of Turkey and has an area of 1500 km². The majority of the population (c. 81223) consists of immigrants from the Balkans. It has six sub-districts and 41 villages (Anonymous, 1997; Kaya, 1999).

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The main peaks of the hills rise to 382 m, and since their geology is largely acidic, they are today still almost entirely clothes with semi-natural vegetation. Whilst much of the landscape is composed of coppice forest, a series of exceptional open grass heat and wetland habitats (mostly notably those associated with Terkos Lake add considerably to the interest of this mosaic of habitats. The coppice forest habitats are largely composed of mixed *Quercus* with some areas of *Fagus orientalis* and *Tilia argentea* in cooler areas. Heathland habitats occur within the forest areas. A few limited areas of limestone occur and include some rare species and *Orchis*. Throughout the forest and healthland zone a series of seasonally flooded pools overlying acid claws.

The aquatic vegetation, flooded forest and sand dune vegetation around the Terkos Lake have been reported by Özhatay & Çırpıcı, 1996. The site's flora is exceptionally rich 575 vascular plant taxa have been recorded around Terkos Lake (Özhatay & Çırpıcı, 1996) and the flora of the inland, south of Çatalca consists of 444 vascular plant taxa (Genç, 2003).

R E S U L T A N D D I S C U S S I O N

During the field works 59 species (56 species are wild, 3 species are cultivated) were collected in the area. Among these plants, 15 species have only vernacular name without any uses, 21 species are used as food, 3 species used as herbal tea, 4 species for dying, 5 species for making equipment and 10 species used for different aims (Table I).

Some species have two different uses: broom and fuel (*Erica arborea*), food and toy (*Petasites hybridus*) or food and spice (*Urtica dioica*). *Juglans regia* is used in three different purposes such as; food, dying and preventing to maggoty on pulses. Many specimens have different common names e.g. *Viscum album* subsp. *album* known as burç, çekem, gevele, gökçe otu and ökse otu. In other cases, some plants have the same common name, in spite of belonging to different species, such as for kırçayı (*Mentha pulegium* and *Origanum vulgare* subsp. *vulgare*). 3 species are indicated by "a" symbol were cultivated by rural people. Tables are arranged in alphabetical order; Table I, presented the scientific and vernacular names of using taxa, on the other hand Table II presented only the vernacular names of non-using taxa.

Table 1: Plants used in Çatalca [A2(E) Istanbul]

Plant Scientific Name (Family)	ISTE No	Vernacular Name	Locality	Used Part(s)	Uses
<i>Acer campestre</i> L. subsp. <i>campestre</i> (Aceraceae)	80623	Akça ağaç	Örencik	Branches	Making spoon
<i>Alnus glutinosa</i> (L.) Gaertner subsp. <i>glutinosa</i> (Betulaceae)	80627 80638 80717	Kızıl ağaç	Akalan	Stem bark	Dying
<i>Berula erecta</i> (Huds.) Coville (Umbelliferae)	80704	Tere	Baklalı	Aerial parts	Food (salad)
<i>Calluna vulgaris</i> (L.) Hull (Ericaceae)	80682	Piren	Binkılıç	Aerial parts	Making broom
<i>Celtis australis</i> L. (Ulmaceae)	80700	Çitlembik	Baklalı	Fruits	Food (fresh)
<i>Clematis vitalba</i> L. (Ranunculaceae)	80686 80701 80731	Akbağ, diş otu, kedi bağırsağı, sarmaşık	Baklalı, Belgradköy	Branches	Making basket
<i>Cornus sanguinea</i> L. subsp. <i>australis</i> (C. A. Meyer) Jáv. (Cornaceae)	80735	Köpek kızılıcığı	İnceğiz	Fruits	Food (fresh)
<i>Cotinus coggyria</i> Scop. (Anacardiaceae)	80611	Tetra	Belgradköy	Leaves	Spice
<i>Crataegus monogyna</i> Jacq. subsp. <i>monogyna</i> (Rosaceae)	80641 80729 80751	Alıç, arıç, yemişgen, yemişgen çalısı	Karacaköy	Fruits	Food (jam)
<i>Datura stromonium</i> L. (Solanaceae)	80659	Tatul, tatula	Karacaköy	Leaves	Smoking
<i>Equisetum telmateia</i> Ehrh. (Equisetaceae)	80619	At kuyruğu, kırkkilit, minare otu	Belgradköy	Aerial parts	As a toy
<i>Erica arborea</i> L. (Ericaceae)	80646	Piren, Püren	Kabakça, Merkez Merkez	Aerial parts Aerial parts (dried)	Making broom As a fuel
<i>Euphorbia helioscopia</i> L. (Euphorbiaceae)	80593 80728	Sarı ot	Hadımköy, Karacaköy	Inflorescence	Dying
<i>Ficus carica</i> L. subsp. <i>carica</i> * (Moraceae)	80650 80745	İncir	İnceğiz	Latex	Fermenting cheese

<i>Humulus lupulus</i> L. (Cannabinaceae)	80695	Şerbetçi otu	Başakköy	Inflorescence	Making bread yeast
<i>Juglans regia</i> L. ^a (Juglandaceae)	80738	Ceviz	Karamandere	Seeds	Food (fresh)
			İnceğiz	Leaves	Preventing to maggoty on pulses
			Wide spread	Leaves	Dying
<i>Juniperus oxycedrus</i> L. subsp. <i>oxycedrus</i> (Cupressaceae)	80625 80714	Ardıç	Boyalık	Stems	Making spoon
<i>Lamium purpureum</i> L. var. <i>purpureum</i> (Lamiaceae)	80636 80670	-	Kabakça, Kestanelik	Aerial parts	Food (cooked)
<i>Laurus nobilis</i> L. (Lauraceae)	80589	Defne	Wide spread	Leaves	Spice
<i>Malva sylvestris</i> L. (Malvaceae)	80648 80651 80752	Ebe gümeçi, ebem gümeçi	Wide spread	Leaves	Food (cooked)
<i>Mentha pulegium</i> L. (Lamiaceae)	80667 80582 80758	Kırçayı, nane, yaban nanesi, yabani nane	Yalıköy	Leaves	Spice
<i>Oenanthe pimpinelloides</i> L. (Umbelliferae)	80674	Güre maydanoz, kaz ayağı	İhsaniye, Kabakça	Basal leaves	Food (salad, pickle and cooked)
<i>Origanum vulgare</i> L. subsp. <i>vulgare</i> (Lamiaceae)	80668 80678	Dağ kekiği, kırçayı, uzun kekik	Baklalı	Aerial parts	Spice
<i>Papaver rhoeas</i> L. (Papaveraceae)	80639 80662 80723 80743	Gelincik	Wide spread	Leaves and roots (before flowering)	Food (cooked)
<i>Petasites hybridus</i> (L.) Gaertner (Asteraceae)	80642 80654	Kabalak, kara kafes	Başakköy Deliklikaya	Young branches Stems	Food (pickle) As a toy
<i>Prunus spinosa</i> L. subsp. <i>dasyphylla</i> (Schur) Domin (Rosaceae)	80691 80705	Güvem	Celebköy, Yalıköy	Fruits	Food (jam, fresh)

<i>Pteridium aquilinum</i> (L.) Kuhn (Hypolepidaceae)	80746	Kendir otu	İncegiz	Aerial parts	Roof isolation
<i>Quercus cerris</i> L. var. <i>cerris</i> (Fagaceae)	80631 80708	Meşe	Belgradköy, Örencik	Leaves	Dying
<i>Raphanus raphanistrum</i> L. (Brassicaceae)	80615	Yabani turp	Karacaköy	Young branches	Food (fresh)
<i>Robinia pseudoacacia</i> L. ^a (Fabaceae)	80645	Akasya, salkım söğüt	Merkez	Flowers	Food (fresh)
<i>Rosa canina</i> L. (Rosaceae)	80626	Gül bubusu,	Hisarbeyli, Merkez Wide spread	Fruits	Food (jam)
	80644	kuşburnu, öküz götti, öküz gözü,		Fruits	Tea
	80734	yabani gül, yaban gülü			
	80754				
<i>Rubus discolor</i> Weihe & Nees (Rosaceae)	80653 80681 80709	Böğürtlen, çoban kösteği, kapina, karamama, karamuk	Merkez	Fruits	Food (cooked, sherbet)
<i>Rumex crispus</i> L. (Polygonaceae)	80597 80696	Labada	Baklalı, Dağyenice	Leaves	Food (cooked)
<i>Rumex tuberosus</i> L. subsp. <i>tuberosus</i> (Polygonaceae)	80607 80732	Kuzu kırırdağı, kuzu kulağı	Dağyenice, İncegiz	Leaves	Food (cooked)
<i>Scabiosa columbaria</i> L. subsp. <i>columbaria</i> var. <i>columbaria</i> (Dipsaceae)	80679	-	Binkılıç	Young branches	Bunching the straws
<i>Silybum marianum</i> (L.) Gaertner (Asteraceae)	80655	Gengel	Deliklikaya	Young shoots	Food (fresh)
<i>Smilax excelsa</i> L. (Liliaceae)	80599	Gıcır, menelcan	Dağyenice	Young shoots and leaves	Food (cooked)
<i>Thymus sibthorpii</i> Benth (Lamiaceae)	80613	Kekik, keklik otu	Karacaköy	Aerial parts	Tea
<i>Tilia argentea</i> Desf. (Tiliaceae)	80640 80733	İhlamur	Baklalı	Flowers and bracts	Tea
<i>Trachystemon orientalis</i> (L.) G. Don (Boraginaceae)	80605	Hodan, hotan, kaldirik, kaydirik	Wide spread Dağyenice Baklalı	Leaves Flowering branches Young shoots	Food (cooked) Food (cooked) Food (fresh)

<i>Urtica dioica</i> L. (Urticaceae)	80618 80716 80722 80725	İsırgan, sırğan	Merkez Wide spread	Leaves Leaves	Spice Food (cooked)
<i>Vicia sativa</i> L. subsp. <i>nigra</i> (L.) Ehrh. var. <i>nigra</i> (Leguminosae)	80742	Eşek tırfili	İncegiz	Aerial parts	Feed
<i>Viscum album</i> L. subsp. <i>album</i> (Loranthaceae)	80617	Burç, çekem, gevele, gökçe otu, ökse otu	Binkılıç	Fruits	As a glue

Table II: Vernacular Names of plants without any uses in Çatalca [A2(E) Istanbul]

Plant Scientific Name (Family)	ISTE No	Vernacular Name	Locality
<i>Agrostemma githago</i> L. (Caryophyllaceae)	80741	Arap otu	İncegiz
<i>Alcea pallida</i> Waldst. & Kit. (Malvaceae)	80674	Fatmagül, gülhatmi	Binkılıç, Karacaköy
<i>Allium scorodoprassum</i> L. subsp. <i>rotundum</i> (L.) Stearn (Liliaceae)	80596	Karga soğanı	Dağyenice
<i>Anagallis arvensis</i> L. var. <i>arvensis</i> (Primulaceae)	80712	Kuşbari	Dağyenice
<i>Arctium minus</i> (Hill) Bernh. subsp. <i>pubens</i> (Babington) Arenes (Asteraceae)	80692	Yılan otu Yılançık	Karacaköy
<i>Centaurea solstitialis</i> L. (Asteraceae)	80674	Çakır diken	İhsaniye
<i>Cercis siliquastrum</i> L. subsp. <i>siliquastrum</i> (Fabaceae)	80740	Erguvan	İncegiz
<i>Cirsium arvense</i> (L.) Scop. subsp. <i>arvense</i> (Asteraceae)	80693	Kara süptürge	Karacaköy
<i>Convolvulus cantabrica</i> L. (Convolvulaceae)	80665	Sarmaşık	Ömerli
<i>Crocus pulchellus</i> Herbert (Iridaceae)	80711	Tarhana otu	Dağyenice

<i>Galanthus x valentinei</i> Beck nothosubsp. <i>sublicatus</i> (Zeybek) A. P. Davis (Amaryllidaceae)	80777	Kar çiçeği	Merkez
<i>Lathyrus ocrus</i> (L.) DC (Fabaceae)	80748	Yabani bakla	İncegiz
<i>Leucojum aestivum</i> L. (Amaryllidaceae)	80674	Leylek çiçeği	İzzettin
<i>Ornithogalum sigmoideum</i> Freyn & Sint. (Liliaceae)	80582 80601	Öksüz oğlan çiçeği, karga soğanı	Dağyenice, Yalıköy
<i>Xanthium spinosum</i> L. (Asteraceae)	80702	Deve çalıstı	Baklalı

M A T E R I A L S A N D M E T H O D S

The field survey is conducted during the years 2002 - 2003 by means of direct interviews with native people. All the plants mentioned are recognised by the informants, then collected and taxonomically identified according with the Flora of Turkey and the East Aegean Islands (Davis, 1965-1988), supplement I and supplement II, Snowdrops A Monograph of Cultivated *Galanthus* (Bishop & Aeron, 2001). Voucher herbarium specimens are kept in the Herbarium of the Faculty of Pharmacy, Istanbul University (ISTE).

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