

## TURKISH FOLK MEDICINAL PLANTS, PART VII: EZİNE (ÇANAKKALE)

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### S U M M A R Y

In this study, 66 folk medicinal plants from Ezine (Çanakkale) are presented. Among them 49 species are wild and 17 species are cultivated plants. The folk medicinal plants are mostly used for stomach ailments, diabetes, hemorrhoids, kidney stones, cold, wound and eczema.

### Ö Z E T

Bu çalışmada, Ezine yöresinde halk ilaçı olarak kullanılan 66 bitki sunulmuştur. Bunlardan 49 tür yabani ve 17 tür ise yörede yetiştirilen bitkilerdir. Halk ilaçı olarak kullanılan bu bitkiler en çok mide rahatsızlıklarının giderilmesinde, şeker hastalığının tedavisinde, hemoroidlere karşı, böbrek kumunu ve taşını düşürmek amacıyla, soğuk algınlığı, cilt yaraları ve egzama tedavisinde kullanılmaktadır.

**Key words:** Folk medicine; Medicinal plants; Ezine; Çanakkale; Turkey.

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## INTRODUCTION

Ezine (Çanakkale) is located in the west part of the Aegean region. It covers an area of 474 km<sup>2</sup> and its total population is 35.398 (2000). The majority (approximately 70 %) of the population consist of native folk (1).

The geological feature of Ezine region is mainly formed by various rock units, such as schist, marble, serpentine, lacustr limestone, fluvio-lacustr deposits and basalts in restricted areas. These formations outcrop in plateaux and mountainous areas in the vicinity of Ezine-Bayramiç depression. An alluvial plain which contains high clay and sand content extends between Ezine and Bayramiç (2). The climate of the area is hot and dry in summer and mild and rainy in winter.

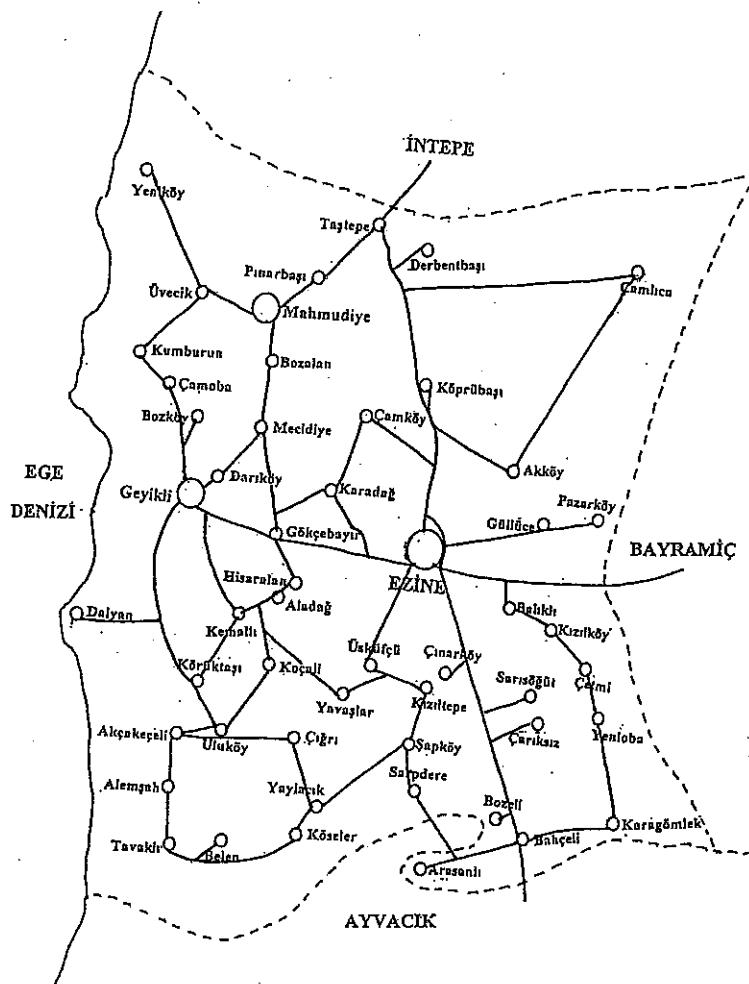
According to our observations the forests of Ezine consist of mainly *Pinus brutia*. Wheat, barley, sunflower, sesame and cotton are some of the mainly cultivated plants and crops in Ezine. Special white cheese, which is produced in Ezine, is one of the well-known dairy products in Turkey.

There is no previous study about the folk medicinal plants of Ezine.

## MATERIAL AND METHODS

Four excursions were made for the field studies in Ezine. This studies were carried out totally for 28 days. The information including the various data (local names, ailments and diseases treated, therapeutic effects, part(s) of plants used, methods of preparation, methods of administration, doses, duration of the treatment) were obtained from local healers, shepherds, experienced adults and patients between April 2002-May 2003. The interviews were carried out face to face and the data were recorded on our special forms prepared for this kind of investigations. The information was provided from 90 persons (55 men, 35 women) and most of the interviewees were more than 40 years old. In addition, some harmful effects of folk medicine, if declared, were also recorded.

The plant specimens, collected by G. Emre, are kept in the Herbarium of the Faculty of Pharmacy, Marmara University (MARE). Some botanical references (3-5) and our herbarium (MARE) were used for the identification of the plants.



**Figure 1:** Map of the study area (Ezine)

During the field works, all the settlements (52 including 49 villages) were visited (Fig. 1). They are listed below, with a reference number for the record place of the local information.

1. Ezine (centre), 2. Geyikli (centre), 3. Mahmudiye (centre), 4. Akçakeçeli, 5. Akköy, 6. Aladağ, 7. Alemşah, 8. Arasanlı, 9. Bahçeli, 10. Balıklı, 11. Belen, 12. Bozalan, 13. Bozelli, 14. Bozköy, 15. Çamköy, 16. Çamlıca, 17. Çamoba, 18. Çariksız, 19. Çetmi, 20. Çınarköy, 21. Çığrı, 22. Dalyan, 23. Darıköy, 24. Derbentbaşı, 25.

Gökçebayır, 26. Güllüce, 27. Hisaralan, 28. Karadağ, 29. Karagömlek, 30. Kemallı, 31. Kızılıköy, 32. Kızıltepe, 33. Koçalı, 34. Köprübaşı, 35. Körüktaşı, 36. Köseler, 37. Kumburun, 38. Mecidiye, 39. Pazarköy, 40. Pınarbaşı, 41. Sarışögüt, 42. Sarpdere, 43. Şapköy, 44. Taştepe, 45. Tavaklı, 46. Uluköy, 47. Üsküfçü, 48. Üvecik, 49. Yavaşlar, 50. Yaylacık, 51. Yeniköy, 52. Yenioba.

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

During the study, 131 specimens declared to be used in therapy, were collected in the area. According to the results of the identifications, 66 species are being used as folk medicine in Ezine. Among them 49 species are wild and 17 species are cultivated plants. These are presented in Table-1, arranged in alphabetical order of their botanical names, with the relevant information.

*Malva sylvestris*, *Origanum majorana*, *Rosmarinus officinalis*, *Urtica dioica* and *Rosa canina* are the most popular plants used in the treatment of many ailments.

The folk medicinal plants are mostly used for stomach ailments, diabetes, hemorrhoids, kidney stones, cold, wound and eczema. Decoction and infusion are the methods mostly used for the preparation of the folk medicine.

*Asphodelus aestivus* and *Phillyrea latifolia* are used, not only in human but also in animal treatment.

Some cautions about the usage of some plants, declared by the people during the field studies, were also recorded: overdosing of the fruit juice of *Ecballium elaterium* and prolonged contact with the roots of *Tamus communis* subsp. *communis* can be dangerous and they should be used carefully.

Although *Centaurea solstitialis* subsp. *soltstitialis* has been formerly used in malaria treatment, it is not used today because this disease is not anymore present in the research area.

There is only one published ethnobotanical study which was made in Kaz Dağı (Balıkesir/Çanakkale) (6) neighboring our locality. This study was compared with our study and as a result 16 folk medicinal plants are the same. Among them the usages of nine species (*Dracunculus vulgaris*, *Ecballium elaterium*, *Hypericum perforatum*, *Origanum onites*, *Pinus brutia*, *Salvia fruticosa*, *Tamus communis*, *Tribulus terrestris* and *Urtica pilulifera*) are similar in both localities.

Table 1- Folk medicinal plants of Ezine (Çanakkale)

| Botanical name and Voucher specimen   | Local names               | Part(s) used                         | Ailments treated/<br>Therapeutic effect                  | Preparations   | Modes of use/<br>Record place                         |
|---|---------------------------|--------------------------------------|--|--|---|
| <i>Aethiochroa bulbosa</i> (L.) Cass. subsp.<br><i>microcephala</i> Rech. fil.<br>(Asteraceae), MARE 8291, 8229 | <i>Mayasılı otu</i>       | Tuber                                | Hemorrhoids  | —  | Eaten, before breakfast (7,33,34)                     |
| ▲ <i>Allium sativum</i> L.<br>(Liliaceae), MARE 8626  | Santınsak                 | Bulbils<br>Bulbils (sap)<br>Bulbils  | Ovary diseases<br>Earsache<br>Hair restorer              | Heated (+ sugar)<br>Cooked (in olive oil), then crushed<br>Crushed | Ext. (21)<br>Dropped into the ear (21,29)<br>Ext. (3) |
| <i>Anthemis austriaca</i> Jacq.<br>(Asteraceae), MARE 8345  | Papaya,<br>Panatya        | Capitulum                            | Sedative   | Infusion   | Int. (46)   |
| <i>Asphodelus aestivus</i> Brot.<br>(Liliaceae), MARE 8232, 8298  | Hidrellezkamışlı<br>Nünni | Tubers<br>Tubers<br>Tubers<br>Tubers | Hemorrhoids<br>Wound<br>Eczema<br>Wound (for<br>animals) | —<br>Decoction<br>Decoction<br>Decoction                           | Eaten (39)<br>Ext. (29)<br>Int. (26)<br>Int. (26,39)  |
| <i>Capparis ovata</i> Desf. var. <i>caneensis</i> (Coss.)<br>Heywood<br>(Capparaceae), MARE 8373                | —                         | Fruits                               | Aphrodisiac  | Pickle   | Eaten (directly or in pickle) (51)                    |
| <i>Cardopatium corymbosum</i> (L.) Pers.<br>(Asteraceae), MARE 8343, 8387                                       | Kurth diken               | Roots (sap)                          | Wound  | Crushed  | Ext. (19)   |
| <i>Centauraea solstitialis</i> L. subsp. <i>solstitialis</i><br>(Asteraceae), MARE 8375                         | Gelindili                 | Aerial parts                         | Malaria  | Decoction  | Int. (37)   |
| <i>Chrozophora tinctoria</i> (L.) Rafin.<br>(Euphorbiaceae), MARE 8376  | Sığlı otu                 | Fruits                               | Ward   | —  | Eaten, 15 fruits a day, 3 days (37)                   |
| <i>Cistus creticus</i> L.<br>(Cistaceae), MARE 8335, 8334a, 8352a,<br>8352                                      | Parmıskar                 | Leaves<br>Leaves                     | Digestive<br>Stomach ailments                            | Decoction  | Eaten (16,21)<br>Int. (39)                            |
| <i>Cnicus benedictus</i> L. var. <i>benedictus</i><br>(Asteraceae), MARE 8295                                   | Sancı otu                 | Leaves                               | Kidney stones  | Infusion   | Int. 1/2x1, before breakfast 3 days<br>(41)           |
| ▲ <i>Cypressus sempervirens</i> L. var.<br><i>sempervirens</i><br>(Cupressaceae), MARE 8308                     | Sevi                      | Cone                                 | Hypoglycemic   | Decoction  | Int. 1x1, before breakfast (29)                       |

Table-1 (Continued)

| Botanical name and Voucher specimen   | Local names                                    | Parts used          | Aliments treated / Therapeutic effect | Preparations                              | Modes of use / Record place                 |
|---|--|---------------------|---------------------------------------|---|---|
| ▲ <i>Cydonia oblonga</i> Miller<br>(Rosaceae), MARE 8234, 8234a                 | Ayva   | Leaves              | Throat sore                           | Infusion                                  | Int. (5)                                    |
| <i>Cynodon dactylon</i> (L.) Pers. var. <i>dactylon</i><br>(Poaceae), MARE 8394 | Aynik otu                                      | Subterranean parts  | Abdominal pain                        | Decoction                                 | Int., 1 spoonful 1x1, before breakfast (39) |
|   |  | Subterranean parts  | Kidney stones                         | Decoction                                 | Int. (19)                                   |
| <i>Dracunculus vulgaris</i> Schott<br>(Araceae), MARE 8347, 8349, 8326, 8233    | Kara kabak,<br>Yılan kabaklı,<br>Yılankampıslı | Tuber               | Eczema                                | Crushed, then kneaded (+flour,<br>butter) | Int., before breakfast (39)                 |
|   |  | Fruits              | Hemorrhoids                           | —   | Eaten, before breakfast (33)                |
|   |  | Fruits              | Hemorrhoids                           | Decoction                                 | Int., 1x1 (21)                              |
| <i>Echallium elatiorium</i> (L.) A. Rich.<br>(Cucurbitaceae), MARE 8287, 8293   | Deli bostan                                    | Fruit juice (fresh) | Sinusitis                             | —   | Dropped into the nostrils (33)              |
|   |  | Fruit juice (fresh) | Rheumatism                            | —   | Ext. (29)                                   |
|   |  | Root                | Hemorrhoids                           | Infusion                                  | Int., 1x1, 2-3 days (43)                    |
| ▲ <i>Elaeagnus angustifolia</i> L.<br>(Elaeagnaceae), MARE 8264                 | İğde   | Fruits              | Kidney ailments                       | Decoction                                 | Int. (5)                                    |
| <i>Erica arborea</i> L.<br>(Ericaceae), MARE 8330                               | Piren  | Leaves and flowers  | Allergy                               | Infusion                                  | Ext. (18)                                   |
| <i>Erodium ciconium</i> (L.) L'Hérit<br>(Geraniaceae), MARE 8272, 8320          | Kocakarğınesi                                  | Leaves              | Allergy                               | Cooked                                    | Eaten (10)                                  |
|   |  | Leaves              | Antifungal                            | Cooked                                    | Eaten (10)                                  |
| ▲ <i>Ficus carica</i> L. subsp. <i>carica</i><br>(Moraceae), MARE 8258          | İncit,<br>Yemis                                | Fruits              | Laxative                              | Decoction                                 | Int., 1x1, before breakfast (5)             |
|   |  | Latex               | Hemorrhoids                           | Infusion                                  | Int. (5,22)                                 |
|   |  |                     | Ward                                  | —   | Ext. (51)                                   |
| <i>Foeniculum vulgare</i> Miller<br>(Apiaceae), MARE 8274, 8319, 8304           | Erezen   | Aerial parts        | Digestive                             | Cooked                                    | Eaten (10)                                  |
|   |  | Aerial parts        | Stomach ailments                      | Infusion                                  | Int. (29)                                   |

Table-1 (Continued)

| Borbindung and Voucher specimen  | Local names                        | Part used  | Aliments treated/<br>Therapeutic effect   | Preparations                                       | Mode of use/<br>Record place  |
|--|------------------------------------|--|---|--|---|
| <i>Reichardia stoechades</i> (L.) Moench subsp.<br><i>karrelieri</i> (Ten.) Nyman<br>(Asteraceae), MARE 8378 | Sarı çiçekli ot                    | Capitulum  | Stomach ailments  | Decoction  | Int., 1-2x1 (37)  |
| <i>Rosaceus niger</i> L.<br>(Rosaceae), MARE 8329, 8358  | Dis otu                            | Seeds<br>Seeds<br>Seeds  | Tooth ache<br>Upper respiratory<br>diseases<br>Tooth ache   | Boiled<br>Boiled<br>—                              | Inhal. (33)<br>Inhal. (33)<br>Ext. (21)   |
| <i>Hypericum perforatum</i> L.<br>(Hypericaceae), MARE 8229, 8339, 8286,<br>8357, 8306                       | San kantoran,<br>Üzer otu          | Flowering branches<br>Flowering branches<br>Flowering branches<br>Flowering branches | Stomach ulcer<br>Wound<br>Burn<br>Stomach ailments  | Oleat<br>Oleat<br>Oleat<br>Infusion                | Int., 1x1, before breakfast (33,39)<br>Ext. (25,33)<br>Ext. (25,33)<br>Int. (33)  |
| <i>Juniperus oxycedrus</i> L. subsp. <i>oxycedrus</i><br>(Cupressaceae), MARE 8245, 8265, 8308,<br>8310      | Ardıç,<br>Dikenli ardıç            | Cone<br>Cone<br>Cone<br>Pix  | Gall bladder ailments<br>Kidney stones<br>Hypoglycemic<br>Prostate ailments<br>Intestinal parasitic<br>diseases | Infusion<br>Infusion<br>Infusion<br>Decoction<br>— | Int., 1x1, before breakfast (39)<br>Int., 1x1, before breakfast (39)<br>Int., 1x1, before breakfast (39)<br>Int., 1x1, before breakfast (25)<br>Int. (48) |
| ▲ <i>Laurus nobilis</i> L.<br>(Lauraceae), MARE 8235, 8390, 8608   | Defne                              | Leaves   | Asthma  | Infusion   | Int., 1x1 (39)  |
| <i>Lavandula stoechas</i> L. subsp. <i>stoechas</i><br>(Lamiaceae), MARE 8238, 8239, 8283,<br>8312           | Karaköy otu,<br>Öfken otu          | Flowering branches<br>Flowering branches<br>Flowering branches                       | Stomach ailments<br>Headache<br>Cancer<br>High cholesterol  | Infusion<br>Infusion<br>Infusion<br>Infusion       | Int., 2-3x1 (17,39)<br>Int., 2-3x1 (39)<br>Int., 2-3x1 (34)<br>Int., 2-3x1 (17)   |
| <i>Lonicera etrusca</i> Santi var. <i>etrusca</i><br>(Caprifoliaceae), MARE 8379                             | Dokuzkolma                         | Flowers and leaves   | Hair restorer   | —  | Ext. (37)   |
| <i>Malva sylvestris</i> L.<br>(Malvaceae), MARE 8279, 8314, 8315, 8336                                       | Devekkı,<br>Ebe gümüşçü,<br>Hubbez | Aerial parts   | Menstruation<br>regulator<br>Eczema<br>Laxative   | Decoction<br>Decoction                             | Steam bath (39)<br>Int. (51)<br>Int. (1)  |
| <i>Marrubium vulgare</i> L.<br>(Lamiaceae), MARE 8377, 8367  | Köpeksiyon otu                     | Aerial parts<br>Aeria parts<br>Aerial parts  | Kidney stones<br>Prostate ailments<br>Stomach ailments  | Decoction<br>Decoction<br>Infusion                 | Int., 1x1, before breakfast (37)<br>Int., 1x1, before breakfast (37)<br>Int. (39)   |

Table- 1 (Continued)

| Botanical name and Voucher specimen   | Local names            | Parts used                                    | Aliments treated/<br>Therapeutic effect  | Preparations                     | Modes of use/<br>Record place   |
|---|------------------------|---|--|----------------------------------|---|
| <i>Matricaria chamomilla</i> L. var. <i>chamomilla</i><br>(Asteraceae), MARE 8230, 8263 | Papacya,<br>Papaya     | Capitulum<br>Capitulum<br>Capitulum           | Sedative<br>Malaria<br>Digestive   | Infusion<br>Infusion<br>Infusion | Int., 1-2x1 (39)<br>Int., 1-2x1 (39)<br>Int., 2-3x1 (5)                         |
| <i>Melissa officinalis</i> L.<br>(Lamiaceae), MARE 8249                                 | Oğul ouu               | Aerial parts<br>Aerial parts                  | Ovary ailments<br>Hypoglycemic   | Infusion<br>Infusion             | Int., 1x1, before breakfast (39)<br>Int., 1x1, before breakfast (39)            |
| ▲ <i>Mentha spicata</i> L. subsp. <i>spicata</i><br>(Lamiaceae), MARE 8237              | Dere nanesi            | Aerial parts                                  | Increase milk<br>secretion   | —                                | Ext. (39)   |
| <i>Micromeria juliana</i> (L.) Benth. ex Reichb.<br>(Lamiaceae), MARE 8391              | Kırçayı                | Aerial parts                                  | Cold   | Infusion                         | Int. (39)   |
| ▲ <i>Morus alba</i> L.<br>(Moraceae), MARE 8227   | Dut                    | Leaves  | Eczema   | Infusion                         | Ext. (26)   |
| ▲ <i>Morus nigra</i> L.<br>(Moraceae), MARE 8231, 8321, 8355                            | Kara dut,<br>Siyah dut | Fruits juice<br>Leaves<br>Bark (young shoots) | Mouth diseases,<br>antifungal (for babies)<br>Hypoglycemic<br>Urinary diseases | —<br>Decoction<br>Decoction      | Ext. (5)<br>Int., 1x1, before breakfast (21)<br>Int., 1x1, before breakfast (5) |
| <i>Myrtus communis</i> L. subsp. <i>communis</i><br>(Myrtaceae), MARE 8288, 8393        | Mersin                 | Leaves and shoots<br>(young)<br>Leaves        | Hypoglycemic<br>-Hypoglycemic  | Decoction<br>Infusion            | Int., 1x1, before breakfast (25-32)<br>Int. (48)                                |
| ▲ <i>Ocimum basilicum</i> L.<br>(Lamiaceae), MARE 8246                                  | Feslegen               | Flowering branches<br>Flowering branches      | Cold<br>Headache   | Infusion<br>Infusion             | Int., 1x1 (39)<br>Int., 1x1 (39)  |

Table 1 (Continued)

| Botanical name and Voucher specimen   | Local names               | Parts used   | Ailments treated/<br>Therapeutic effect                               | Preparations                                      | Modes of use/<br>Record place  |
|---|---------------------------|--|---|---|--|
| ▲ <i>Olea europaea</i> L. var. <i>europaea</i><br>(Oleaceae), MARE 8243, 8344   | Zeytin                    | Leaves<br>Fruits (fresh)                                       | Hypoglycemic<br>Wound   | Decoction<br>Crushed                              | Int. (39)<br>Ext. (30)   |
| ▲ <i>Origanum majorana</i> L.<br>(Lamiaceae), MARE 8275, 8366, 8271   | Mercançık                 | Flowering branches<br>Flowering branches<br>Flowering branches | Stomach ailments<br>Sedative<br>Diuretic                              | Decoction<br>Decoction<br>Infusion                | Int. (34)<br>Int. (21)<br>Int., before breakfast (10)                    |
| <i>Origanum onites</i> L.<br>(Lamiaceae), MARE 8318, 8339, 8360, 8361   | Deli Kekik,<br>Kekik      | Flowering branches<br>Flowering branches                       | Stomach ailments<br>Hypoglycemic                                      | Infusion<br>Infusion                              | Int. (33)<br>Int. (3)  |
| <i>Paliurus spina-christi</i> Miller<br>(Rhamnaceae), MARE 8327, 8346, 8354   | Çaltı                     | Immature fruits  | Stomach ailments  | Decoction   | Int., 1x1 (19)   |
| <i>Papaver rhoeas</i> L.<br>(Papaveraceae), MARE 8311   | Gelinçik                  | Shoots (young)   | Sedative  | Cooked  | Eaten (22)   |
| <i>Phillyrea latifolia</i> L.<br>(Oleaceae), MARE 8353  | Kuzupınar                 | Leaves<br>Fruits<br>Leaves                                     | Hypoglycemic<br>Hypoglycemic<br>Inflamed eye<br>ailments (in animals) | Infusion<br>Infusion<br>Chewed, applied in spitte | Int. (47)<br>Int. (47)<br>Ext. (47)                                      |
| <i>Pinus brutia</i> Ten.<br>(Pinaceae), MARE 8277, 8268   | Andız çam,<br>Çam         | Shoots (young)<br>Cone<br>Terebinthine                         | Stomach ailments<br>Asthma<br>Stomach ulser                           | Decoction<br>Decoction<br>—                       | Int. (9)<br>Int. (19)<br>Int., 1 spoonful x 1, before breakfast<br>(39)  |
| <i>Plantago major</i> L. subsp. <i>internedia</i><br>(Gilib.) Lange<br>(Plantaginaceae), MARE 8325, 8374, 8604,<br>8241, 8605 | Sinir otu                 | Leaves<br>Seeds  | Sedative<br>Sedative  | Infusion<br>—                                     | Int., 1 spoonful x 1, before breakfast<br>(with honey) (39)<br>Ext. (35) |
| <i>Plumbago europaea</i> L.   | Sağkaran otu              | Leaves   | Wound   | —   | Ext. (37)  |
| <i>Prunus spinosa</i> L. subsp. <i>dasyphylla</i> (Schur)<br>Domín  | Dağ eriği,<br>Domuz eriği | Fruits   | Hair restorer   | Crushed   | Ext. (19)  |
| <i>(Rosaceae), MARE 8384</i>  |                           |  |   |   |  |

Table- 1 (Continued)

| Botanical name and Voucher specimen   | Local names                                | Parts used                               | Ailments treated/<br>Therapeutic effect | Preparations   | Mode of use/<br>Record place  |
|---|--|--|---|--|-------------------------------|
| <i>Pyrus amygdaliformis</i> Vill. var.<br><i>amygdaliformis</i><br>(Rosaceae), MARE 8388            | Ahiat                                      | Fruits                                   | Diarrhea                                | —  | Eaten (19)                    |
| <i>Rosa canina</i> L.<br>(Rosaceae), MARE 8244, 8331  | Deli gül,<br>İt gülü,<br>Kusburnu          | Fruits<br>Fruits                         | Cold<br>Intestinal bleeding             | Infusion<br>Decoction  | Int. (19)<br>Int. (19)        |
| ▲ <i>Rosmarinus officinalis</i> L.<br>(Lamiaceae), MARE 8252, 8266, 8269, 8607,<br>8290, 8365, 8301 | Biberiye                                   | Flowering branches<br>Flowering branches | Cold<br>Gastro-intestinal<br>ailments   | Infusion<br>Infusion   | Int. (5,21,34)<br>Int. (5,21) |
| <i>Rubus sanctus</i> Schreber<br>(Rosaceae), MARE 8362  | Bögürten,<br>Karanti                       | Roots                                    | Eczema                                  | Decoction  | Int., before breakfast (30)   |
| ▲ <i>Ruta chalepensis</i> L.<br>(Rutaceae), MARE 8289, 8368, 8316                                   | Kokar sedef,<br>Sedef otu                  | Flowers<br>Leaves                        | Antipyretic<br>Sterility (in woman)     | Olear<br>Crushed (-sugar), wrapped<br>in a cloth, during<br>menstruation | Ext. (3,21)<br>Ext. (3)       |
| ▲ <i>Salsiva fruticosa</i> Miller<br>(Lamiaceae), MARE 8367   | Ada çayı,<br>Mospıla,<br>Mospılı           | Leaves<br>Leaves                         | Stomach ailments<br>Diarrhea            | Decoction<br>Decoction   | Int. (21)<br>Int. (21)        |
| <i>Sambucus nigra</i> L.<br>(Caprifoliaceae), MARE 8240, 8337                                       | Mührver                                    | Flowering branches                       | Bronchitis                              | Infusion   | Int. 1x1 (39)                 |
| <i>Scirpoides holoschoenus</i> (L.) Soják<br>(Cyperaceae), MARE 8363                                | Kancık kova                                | Roots<br>Roots                           | Hemorrhoids<br>Urinary diseases         | Decoction<br>Decoction   | Int. (21)<br>Int. (21)        |
| <i>Scolymus hispanicus</i> L.<br>(Asteraceae), MARE 8342, 8383                                      | Akgakız,<br>Şeratibstan,<br>Zerdali dileni | Aerial parts<br>Aerial parts             | Kidney stones<br>Hypoglycemic           | Decoction<br>Decoction   | Int. (41)<br>Int. (1,18)      |

Table 1 (continued)

| Botanical name and Voucher specimen  | Local names                    | Parts used   | Aliments treated/<br>Therapeutic effect       | Preparations   | Modes of use/<br>Record place                             |
|--|--------------------------------|--|---|--|---|
| ▲ <i>Scutellariaeum L. subsp. <i>maximum</i> (L.) Kricker</i><br>(Crassulaceae), MARE 8631 | Çiban qıçığı                   | Leaves   | Wounds  | —  | Ext., wrapped in a cloth (42)                             |
| <i>Tamus communis L. subsp. <i>communis</i> (Dioscoreaceae), MARE 8342, 8383</i>           | Sarmışıkfilizi                 | Roots<br>Roots   | Rheumatism<br>Rheumatism                      | Cut into little pieces<br>Decoction  | Ext. (10,19)<br>Ext. (19)                                 |
| ▲ <i>Tilia argentea Duf. ex DC.</i><br>(Tiliaceae), MARE 8333                              | İhlamur                        | Flowers<br>Flowers   | Expectoran<br>Cold                            | Infusion<br>Infusion   | Int. (29)<br>Int. (29)                                    |
| <i>Thymus spicata L. var. <i>spicata</i> (Lamiaceae), MARE 8392, 8253</i>                  | Cay kekiği,<br>Kekik           | Flowering branches<br>Flowering branches<br>Flowering branches | Stomach ailments<br>Digestive<br>Hypoglycemic | Infusion<br>Infusion<br>Infusion   | Int., 1-2x1 (5,39)<br>Int., 1-2x1 (5)<br>Int., 1-2x1 (39) |
| <i>Trifolium terrestris L.</i><br>(Zygophyllaceae), MARE 8381                              | Cobancıkerten,<br>Deveğökerten | Whole plant<br>Whole plant                                     | Kidney stones<br>Prostate ailments            | Decoction<br>Infusion  | Int., 1x1, before breakfast (17)<br>Int. (47)             |
| <i>Umbellaria repens</i> (Salisb.) Dandy<br>(Crassulaceae), MARE 8348                      | Kapılık otu                    | Whole plant  | Panaris                                       | Crushed  | Ext., wrapped in a cloth (21)                             |
| <i>Urtica dioica L.</i><br>(Urticaceae), MARE 8228, 8260                                   | Deli isrgan<br>Isrgan,         | Leaves<br>Leaves<br>Leaves                                     | Cancer<br>Joint rheumatism<br>Fracture        | Infusion<br>Kneaded (+ flour,<br>semolina)<br>Kneaded (+ flour,<br>semolina) | Int. (39)<br>Ext. (5)<br>Ext. (5)                         |
| <i>Urtica pilulifera L.</i><br>(Urticaceae), MARE 8332                                     | Isrgan                         | Fruits   | Cancer  | —  | Eaten, 1 spoonfulx1 (+honey), before<br>breakfast (16)    |
| <i>Urtica urens L.</i><br>(Urticaceae), MARE 8225  | Isrgan                         | Leaves   | Cancer  | Decoction  | Int., 1x1 before breakfast (26)                           |

Table- 1 (Continued)

| Botanical name and Voucher specimen   | Local names | Parts used                            | Ailments treated/<br>Therapeutic effect | Preparations            | Modes of use/<br>Record place   |
|---|-------------|---------------------------------------|---|-------------------------|---|
| <i>Vitis agnus-castus</i> L.<br>(Verbenaceae), MARE 8303, 8369, 8372,<br>8385, 8390 | Aynt        | Fruits<br>Leaves<br>Leaves and fruits | Diarrhea<br>Headache<br>Nausea          | —<br>Crushed<br>Crushed | Int. (29)<br>Ext., wrapped in a cloth (35)<br>Ext., wrapped in a cloth (29) |

▲ Cultivated plant; + mixed with; Int.= internal use; Ext.= external use; 1x1= once a day, 2x1= twice a day, 3x1= thrice a day; it means 1 glass of decoction or infusion, unless otherwise (e.g. spoonful, drop) indicated.

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