

A CONTRIBUTION TO THE FERN FLORA OF EUROPEAN TURKEY*

N. BAŞAK**

SUMMARY

Cheliantes maranthae (L.) Domin is added to the flora of European Turkey with the specimens collected from Edirne. The following taxa have been also recorded for the first time from Edirne province with the specimens cited in this paper: *Asplenium septentrionale* (L.) Hoffm. subsp. *septentrionale*; *A. trichomanes* L. sens. lat.; *A. ruta-muraria* L. subsp. *ruta-muraria*, *A. ceterach* L. subsp. *ceterach* and *Cystopteris fragilis* (L.) Bernh.

ÖZET

Trakya'dan toplanan örneklerle *Cheliantes maranthae* (L.) Domin, Trakya florasına ilave edilmiştir. Ayrıca Edirne ili çevresinden kayıtlı olmayan *Asplenium septentrionale* (L.) Hoffm. subsp. *septentrionale*; *A. trichomanes* L. sens. lat.; *A. ruta-muraria* L. subsp. *ruta-muraria*, *A. ceterach* L. subsp. *ceterach* and *Cystopteris fragilis* (L.) Bernh. bu çalışmada verilen örnekler ile Edirne il sınırları içindeki bölgeden ilk kez kaydedilmektedir.

Key words: Pteridophyta, distribution, European Turkey.

(*) Dedicated to Professor H. Demiriz who contributed on the taxonomy and distribution of fern flora of Turkey, on the occasion of his 72th birthday.

(**) University of Trakya, Department of Biology, Edirne, Turkey

RESULTS and DISCUSSION

The account of the taxonomy and distribution of Turkish Pteridophytes was published in Flora of Turkey (1). Subsequent to the publication of vol. 1 of P. H. Davis's (1), notable revisions on Turkish ferns were published by Demiriz et al. (2, 3) based mainly specimens housed in Turkish herbaria. As the result of the revisions 115 new records for specific square and 181 new records for vilayets have been reported. In 1980, Parris and Frazer-Jenkins (4) published "A provisional checklist of Turkish Pteridophyta" and reported some more new distributional records.

During the identification of the fern specimens collected from A1 (E) EDİRNE province in European Turkey kept in ETDU, (Herbarium of Faculty of Science, University of Trakya, Edirne), it appeared that some species have not been previously recorded either from Edirne vilayet or from European Turkey in the relevant floras (1, 5-7). Specimens have been identified using the basic floras (1, 7-10) and the floristic publications (2-4), and compared with the herbarium specimens kept in ISTE and ISTF.

The examined specimens given below indicated by "x" are new for the flora of EUROPEAN TURKEY, and "xx" new to the flora of EDİRNE province.

Examined specimens:

- x *Cheliantes maranthae* (L.) Domin (A1 (E) EDİRNE: Süleoğlu barrage, edge of water, 26.IV.1992, N. Başak ETDU 4846! Hüseyinakpınar under forest, on the rocks, 19.IV.1992, N. Başak ETDU 4847! Hanlıyenice under the rocks, 19.IV.1992, N. Başak ETDU 4848!
- xx *Asplenium trichomanes* L. sens. lat. A1 (E) EDİRNE: Süleoğlu barrage, under the rocks, 23.III.1989, N. Başak ETDU 3079!
- xx *A. septentrionale* (L.) Hoffm. subsp. *septentrionale* A1 (E) EDİRNE: Hanlıyenice near by, 19.IV.1992, N. Başak ETDU 4834! Süleoğlu barrage, among of rocks, 26.IV.1992, N. Başak ETDU 4535! Hamzabeyli under the rocks, 30.IV.1992, N. Başak and G. Dalgıç ETDU 4837!
- xx *A. ruta-muraria* L. subsp. *ruta-muraria* A1 (E) EDİRNE: Centre on the wall of an Old Mosque, 26.VI.1987, N. Başak ETDU 1557! Centre on the wall of Beyazıd Külliyesi, 18.IV.1992, N. Başak ETDU 4823! Centre, on the wall of Selimiye Mosque, 18.IV.1992, N. Başak ETDU 4825! On the wall of Üç Şerefeli Mosque, 18. IV.1992, N. Başak ETDU 4826!

- xx *A. ceterach* L. subsp. *ceterach* A1 (E) EDİRNE: Kalkansöğüt road, 19.IV.1992, N. Başak ETDU 4827! Hacıdanişmert, 19.IV.1992, N. Başak ETDU 4828! The entrance of Hanlıyenice village, on rocks, 19.IV.1992, N. Başak ETDU 4830! Saksavaşan under the forest, 19.IV.1992, N. Başak ETDU 4831! Hüseyinakpınar, 19.IV.1992, N. Başak ETDU 4832! Süleoğlu barrage, 19.IV.1992, N. Başak ETDU 4833!
- xx *Cystopteris fragilis* (L.) Bernh. A1 (E) EDİRNE: Donköy-Çallıdere, road side, 500 m, 30.IV.1992, N. Başak ETDU 4841! Kalkansöğüt, hills, 30.IV.1992, N. Başak ETDU 4843! Saksavaşan, under the forest, 19.IV.1992, N. Başak ETDU 4844! Hüseyinakpınar, under *Quercus* species, 19.IV.1992, N. Başak ETDU 4845!

Acknowledgements: I am grateful to Prof. H. Demiriz for encouragement and Prof. N. Özhatay for her helpful criticism. Thank are also due to the directors of ISTE and ISTF for allowing me to examine fern materials.

REFERENCES

1. Henderson, D. M., Filicales in P. H. Davis "Flora of Turkey and the East Aegean Islands", vol. 1, 38-63, University Press, Edinburgh (1965).
2. Demiriz, H., B. Tutel, and A. Aydın, Studia ad Floram et Vegetationem Turciae pertinentia: IV. New materials to the Pteridophyta of Turkey: Filicales. *Rev. Fac. Sci. Univ. Istanbul*, Seri B, 34 (3-4), 137-181 (1969).
3. Demiriz, H., B. Tutel, and A. Aydın, Studia ad Floram Turcicam: VII. New materials to the ferns of Turkey: 2. *Istanbul Üniv. Fen Fak. Mec. Ser. B*, 42 (1-4), 71-79 (1977).
4. Parris, B. S. and C. R. Fraser-Jenkins, A provisional Checklist of Turkish Pteridophyta, *Notes R. B. G.*, Edinb., 38 (2), 273-281 (1980).
5. Davis, P. H. and al. (eds.) Flora of Turkey and the East Aegean Islands (supplement), vol. 10, 1-11, University Press, Edinburgh (1988).
6. Webb, D. A., The Flora of European Turkey, Proceedings of the Royal Irish Academy, 65, Sect. B., No. 1, 9-10, Dublin (1966).
7. Tutin et al. (eds.), Flora Europaea, vol. 1, 8-25, University Press, Cambridge (1964).

8. Fiori, A., *Flora Italiana Illustrata*, 1-7, Firenze (1933).
9. Hayek, A., *Prodromus Florae peninsulae Balcanicae*, Band 1, 6-31, Dahlem bei Berlin (1927).
10. Hegi, G., *Illustrierte Flora von Mittel Europa*, Band 1, 5-70, Lehmanns Verlag. München (1906).