

Fitoendemizm in C1 and C2 Squares

GÜVEN GÖRK - OLCA Y CEYLAN

Mu la Sıtkı Koçman University, Faculty of Science, Biology Department, Mu la - Turkey
guvengork@mu.edu.tr - oceylan@mu.edu.tr

Abstract

Turkey geographic position, geological and jeomorfolojik structure, climate features, and as a result of a historical features has a very rich flora. Also endemic plants are rich in terms of a limited area (an area, mountain, country, continent, etc.) endemic plants that spread plants (fitoendemisms) is also called. Plants in a limited area where fitoendemizm (vegetable endemizm) is also called flora of Turkey. The 10.754 taxa 3708% (% 34) endemic ((1), (2), (3)), this endemic taxa appears to be approximately 64 family. This study, C1 and C2 squares are endemic to the presentation of the number of 691 (in 18.6%) were observed.

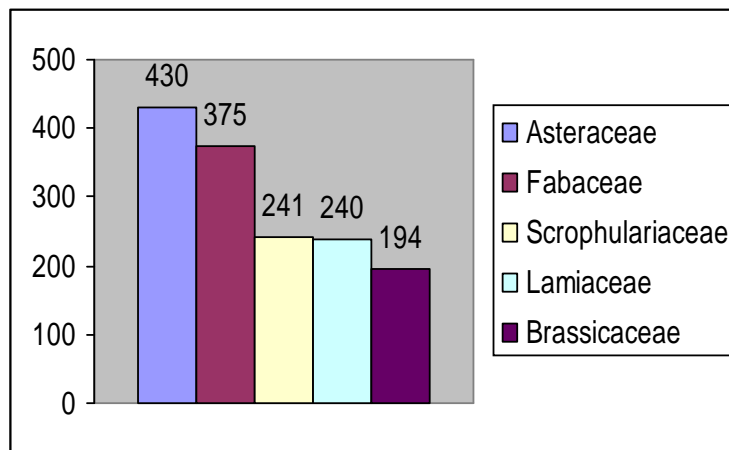
Keywords:Flora, Fitoendemizm, C1 and C2 squares

Input

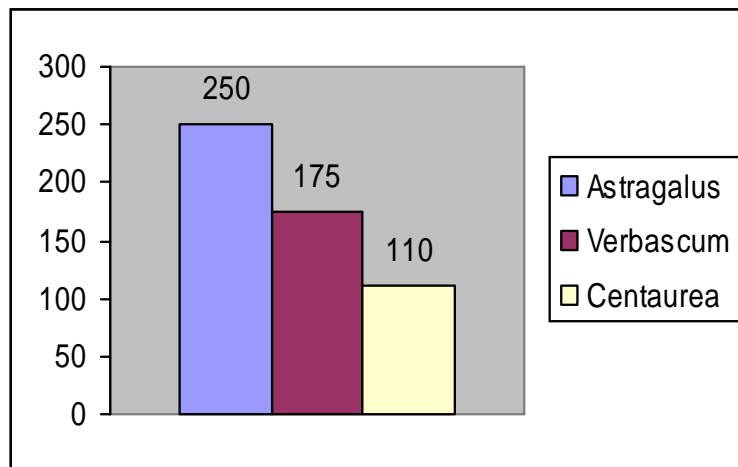
Turkey flora, 163 family 8988 and 1168 species of vascular plant species shows the natural spread and this is the number of the 10.754 to reach.Endemic takson (taxa) number is 3708 (1), (2), (3)), this endemic family taxas appears to be about 64.

Table 1: The flora of turkey and endemics statistics

	Natural	Endemic	Endemizm Ratio (%)
Pteridophyts	101	1	1.0
Gymnosperms	35	3	9.1
Dikotiledons	8887	3319	37.3
Monokotiledons	1731	389	22.5
Total	10754	3708	34.5



Graph 1: The flora of turkey endemic taxa that contains the first 5 family



Graph 2: flora of Turkey the most endemic species, including the first 3 genus (2)

Table 2: In turkey, endemic taxa flora of the regions of the distribution of (4)

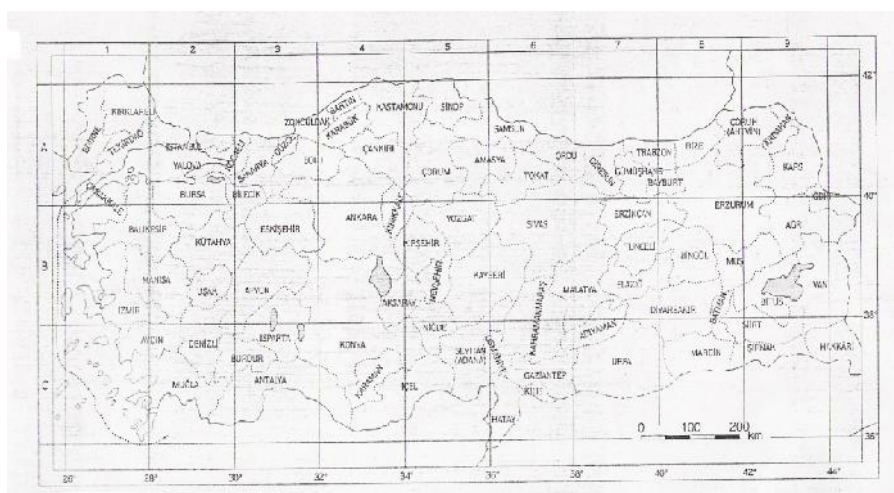
Iran-Turan	1221
Eastern Mediterranean	1012
European-Siberia	218
Mediterranean	3

The purpose of this study, around in the endemic plants to determine and their statuses are to be identified is to provide science and to provide and protect them.

Signs

That is the subject for the C1 and C2 frames and includes the following provinces.

C1 frames, Aydin, Izmir and Mugla commission is located in a section of the C2 frame, Afyon, Antalya, Aydin, Burdur, Denizli and Mugla are located in a section of commission (Map 1).



Map 1: Turkey provinces and squares (grid) system (3)

Table 3: The data of belonging to the C1 and C2 frames

	Natural	Endemic	Endemizm ratio (%)
C1	971 (5)	106	10.9
C2	2233 (5)	649	29
IN OTHER		29	
TOTAL		691	

Table 4: Provincial distribution endemic taxa C1 and C2 frames

	C1	C2	IN OTHER	TOTAL
Afyon	0	9	1	10
Antalya	0	246	12	258
Aydin	55	36	0	84
Burdur	0	111	0	111
Denizli	0	211	1	212

Table 5: Endemic taxa data for types of the C1 and C2 frames

C1	23
C2	329
IN OTHER	15
TOTAL	427

Table 6 : Endemic taxa the flora in parts of the distribution of the C1 and C2 frames

	C1	C2	TOTAL
Iran-Turan	1	84	87
Eastern Mediterranean	93	397	440
European-Siberia	0	1	1
Mediterranean	0	2	2
Oksin	0	1	1

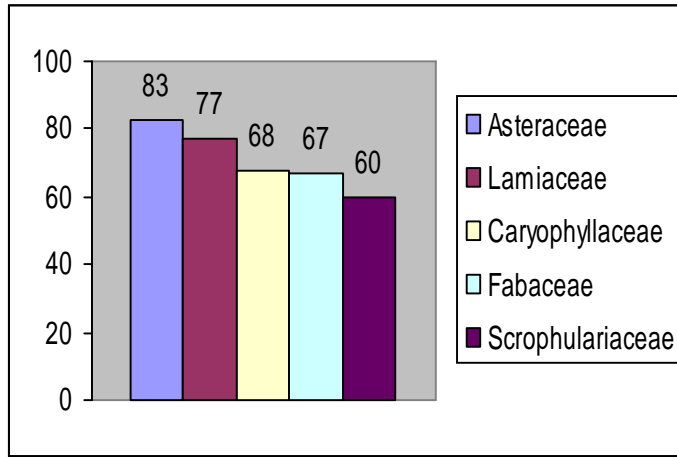
Table 7: Endemic taxa including family numbers of the C1 and C2 frames

C1	28
C2	52
TOTAL	52

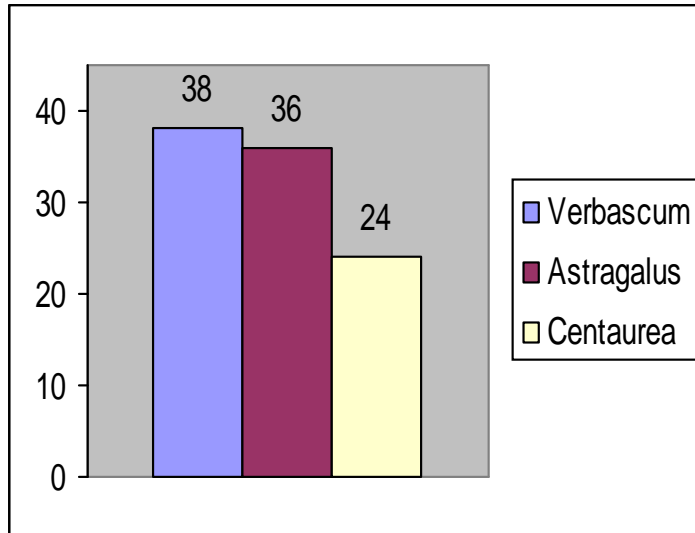
C1 and C2 squares almost every year in the month of endemic flowering plants it is possible to see. However, in the 4th and 8th months (April, May, June, July) more endemic flowering plants can be seen. C1 and C2 in the squares of endemic plants, 0-3500 m. heights between distribution in the show. But most 500-2000 m.'s between the seen.

C1 and C2 squares endemic plants are very different habitats. Some of them are sea side, forest openings, shrubs, bushes, frigans, rocks, mountains and the peaks, the alpine regions, steppes, forests, fields, wetlands, roadside, profitable regions, limestone, acidic, basic, or serpent land and rocky((1), (2), (3)).

Below C1 and C2 to the square of belonging to the endemic taxa of the pictures are given.



Graph 3: C1 and C2 frames of the more endemic taxa containing the first 5 family



Graph 4: C1 and C2 frames of the more endemic taxa that contains the first 3 genus

Discussion and Conclusion

C1 and C2 squares fitoendemizm rate, Turkey averages close to this ratio, a high proportion can be considered. The reasons for this are as follows:

- Geographical location
- C1 and C2 of the squares of the flora in the region of the transition
- Climatic features
- Geological survey and geomorphological structure (The soil and bedrock, the structure, the mountains rise, the sea, the mountains are both perpendicular to both the parallel extension, etc.).
- Historical features

Fitoendemizm rate is considered high a value, although some of the endemic plants is the only type of instance, is known to their situation is not completely known. In this regard, the

most in a short time detection and protection work to be done in many respects will be useful. The only endemic plants not all of the biological diversities for this kind of work can be done. I hope, in this study, science, scientists, and our endemics the protection of the contribution.



Picture 3: *Crocus fleischeri* Gay (5)



Picture 6: *Lamium sandrasicum* P. H. Davis (6)

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