

A Report on Reptiles Collected from Kumluca-Kalkan (Antalya), Turkey*

Abidin BUDAK, Cemal Varol TOK, Ahmet MERMER

Department of Biology, Zoology Section, Faculty of Science, Ege University, 35100 Bornova, Izmir-TURKEY

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Abstract: 9 species of lizards and 2 species of snakes, belonging to a total of seven families were collected from Kumluca-Kalkan between 8 and 10 April 1997.

Kumluca-Kalkan (Antalya) Bölgesinden Toplanan Sürüngenler (Reptilia) Üzerine Bir Rapor

Özet: 8-10 Nisan 1997 tarihleri arasında Kumluca-Kalkan'dan, toplam 7 familyaya ait, 9 kertenkele ve 2 yılan türü toplanmıştır.

During a trip to Kumluca-Kalkan from April 8-10, 1997, we collected and examined 49 specimens, including 42 lizards(9 species) and 7 snakes (2 species). These belong to a total of 7 families: Gekkonidae, Agamidae, Lacertidae, Scincidae, Amphisbaenidae and Colubridae. The specimens examined in this study are recorded in ZDEU (Zoology Department, Ege University). In morphological measurements of the specimens, a dial caliper of 0.02-mm sensitivity and a ruler of 0.1-mm sensitivity were used. The morphological characters of the present series and localities are summarized in Table 1.

The weather was generally cloudy and windy. The recorded temperature ranged from 16-23°C.

The dominant element of herpetofauna was *Chalcides ocellatus ocellatus* in sandy areas near the sea in Kumluca, Finike and Demre, though *Ophisops elegans macrodactylus*, *Mabuya vittata* and *Laudakia stellio daani* were also found. In these areas, the specimens were found under stones, and also around plants (*Verbascum sinuatum*, *Inula viscosa*, *Polygonium maritimum*).

Hemidactylus turcicus, *Ablepharus kitaibelii cf. budaki* and *Blanus strauchi strauchi* were found under stones and small rocks in Çukurbağ village near Kaş.

In Kaş, collecting was done at about 3 km. west of Kaş, at olive groves above Finike-Kaş road. In this area, *Cyrtopodion kotschy subsp.*, *Hemidactylus turcicus*, *Ablepharus kitaibelii cf. budaki*, *Ophiomorus punctatissimus*, *Blanus strauchi strauchi* and *Coluber rubriceps rubriceps* specimens were found under the stones.

In the vicinity of Kalkan, *Blanus strauchi strauchi* and *Eirenis modestus modestus* specimens were found under on a stony hillside.

Most of the specimens examined conform morphologically to the descriptions in the literature (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16). However, the *Coluber rubriceps* specimen (only one specimen collected during this trip) does not conform to the morphological description in the literature (4, 8). The number of dorsal scales at mid-trunk previously described for this species (*C. rubriceps*) is 19 or 21; however, our specimen has 17 dorsal scales at mid-trunk. In addition, the *Ablepharus kitaibelii* specimens examined in this study are similar to *A. k. budaki* (16), described from The Turkish Republic of Northern Cyprus, in the number of the vertical rows of scales between the masseter and ear opening.

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Table 1. The Morphological characters of the present series and localities; Mus. No: Museum no, Spec. No: Specimen no, 1: *Cyrtopodion kotschy* subsp., 2: *Hemidactylus turcicus*, 3: *Laudakia stellio daani*, 4: *Ophisops elegans macrodactylus*, 5: *Ablepharus kitaibelii* cf. *budaki*, 6: *Mabuya vittata*, 7: *Blanus strauchi strauchi*, 8: *Ophiomorus punctatissimus*, 9: *Chalcides ocellatus ocellatus*, 10: *Eirenis modestus*, 11: *Coluber rubriceps*, A: Kaş, B: Kumluca, C: Kale-Demre, D: Kalkan, SCIP: Supraciliar plates, SCIG: Supraciliar granules, SPLP: Supralabial plates (situated in front of eye for *O.e. macrodactylus*), SBLP: Sublabial plates, TP: Temporal plates, VRSM-EO: Number of vertical rows of scales between the ear opening and masseter, MG: Median gulares, LTR: Longitudinal tubercle rows, MBS: Middle of body scales (including longitudinal ventral plates for *O.e. macrodactylus*), PP: Preanal pores, PT: Postanal tubercles, TV: Transversal ventrals, FP: Femoral pores, SDLTL: Subdigital lamellae under the third toe of the fore limb, SDLFL: Subdigital lamellae under the fourth toe of the hind limb, CA: Caudal annuli, BA: Body annuli, SCAP: Subcaudal plates, HL: Head length (pileus length for *O. e. macrodactylus* and *O. punctatissimus*), HW: Head width (pileus width for *O. punctatissimus*), SVL: Snout-vent length, TL: Tail length.

Species	1			2			3			4			5		
Locality	A			A			B			C			A		
Mus. No	14/97	14/97	7/97	13/97	13/97	8/97	4/97	4/97	11/97	11/97	11/97	11/97	6/97		
Spec. No	1	2	1	1	2	1	1	2	1	2	3	4	1		
Sex	m	juv.	f	f	f	m	m	m	m	m	f	m	f		
SCIP									2	2	2	2	2		
SCIG							10-9	11-2							
SPLP	9-9	8-9	8-8	9-9	9-9				3	4	3	4	4		
SBLP	7-7	7-7	6-7	7-7	7-7										
TP							33	32							
VRSM-EO									3	3	3	3	3		
MG							17	15							
LTR	12	12	14	14	14										
MBS							31	31	20	19	20	20	20		
PP	5	-	-	-	-										
PT	1-1	1-1	-2	3-2	1-3										
TV							28	29							
FP							9-9	10-10							
SDLTL						15									
SDLFL	16	16				20	25	22	17	16	15	16	17		
CA															
BA															
HL	7.28	5.28	8.50	12.60	9.12	31.15	10.10	10.62	6.96	6.72	5.92	6.46	5.94		
HW	6.00	4.10	6.48	9.98	6.66	41.22	5.46	5.66	3.98	3.94	3.56	3.52	3.50		
SVL	28	20	32	51	36	126	41	45	36	34	30	35	32		
TL	K	18	35	52	R	K	K	102	40	43	K	K	43		
HL/HW	1.213	1.287	1.312	1.263	1.369	0.756	1.850	1.876	1.749	1.705	1.663	1.835	1.697		
SVL/TL	-	1.11	0.914	0.981	-	-	-	0.441	0.900	0.791	-	-	0.744		

Table 1 Continue

6		7					8					
B		A			D		A					
3/97	15/97	15/97	15/97	5/97	5/97	16/97	9/97	9/97	9/97	9/97	9/97	9/97
1	1	2	3				1	2	3	4	5	juv.
5												
7							6	6	6	6	6	6
6							5	5	5	5	5	5
	33	33	35	34	34	33	18	18	18	18	18	18
	4-4	5-5	5-5	5-5	5-4	5-5						
							105	108	110	107	107	
	18	19	18	17	R	16						
	104	107	105	105	105	104						
11.80							7.82	7.16	7.50	6.14	4.48	
6.32							4.40	4.44	4.74	3.58	2.12	
55	171	154	107	161	130	186	79	72	91	68	45	
90	20	19	13	18	R	21	R	70	R	70	37	
1.867	-	-	-	-	-	-	1.777	1.613	1.582	1.715	2.213	
0.611	8.55	8.105	8.231	8.944	-	8.857	-	1.029	-	0.971	1.216	

Table 1 Continue

Species	9													
Locality	B													
Mus. No	2/97	2/97	2/97	2/97	2/97	2/97	2/97	2/97	2/97	2/97	2/97	2/97	2/97	2/97
Spec. No	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Sex	m	m	f	m	f	f	f	m	m	f	f	f	f	juv.
SCIP	6	6	6	6	6	6	5	6	6	6	6	6	6	6
SPLP	8	8	8	8	8	8	8	9	8	8	8	8	8	8
SBLP	6	6	6	6	6	6	6	6	6	6	6	6	6	6
MBS	28	28	28	29	30	28	28	28	29	28	28	28	28	28
TV														
SDLFL	18	18	16	17	18	19	18	17	18	18	17	18	18	18
SCAP														
HL	13.84	13.54	13.78	12.78	12.40	10.42	10.04	11.14	10.40	10.12	9.36	9.34	9.18	8.24
HW	10.72	9.90	9.46	9.40	8.46	8.18	7.96	7.84	7.82	7.98	7.34	7.28	7.26	5.72
SVL	89	86	87	84	80	74	72	73	67	72	65	66	64	47
TL	-	-	88	-	86	-	-	-	73	-	-	-	-	-
HL/HW	1.291	1.368	1.457	1.359	1.466	1.274	1.261	1.421	1.330	1.268	1.275	1.283	1.264	1.441
SVL/TL	-	-	0.989	-	0.930	-	-	-	0.918	-	-	-	-	-

Table 1 Continue

10						11			
C			A			D			A
18/97	18/97	18/97	10/97	10/97	10/97	17/97	17/97	17/97	12/97
1	2	3	1	2	3	1	2	3	
f	juv.	juv.	f	f	juv.	f	f	juv.	f
6	6	6							
8	8	8	7	7	7	7	7	7	8
6	6	6	8	8	8	8	8	8	10
28	30	28							
			171	175	162	163	175	171	199
17	18	17							
			63	56	63	68	60	-	-
10.48	7.98	8.22	10.04	7.88	7.04	8.98	9.28	7.96	10.28
7.60	5.90	5.76	4.78	3.84	3.38	4.28	4.58	3.88	4.84
72	50	52	263	210	126	214	279	260	357
-	-	-	78	51	31	68	81	K	126
1.379	1.353	1.427	2.100	2.052	2.081	2.098	2.026	2.052	2.124
-	-	-	3.372	4.118	4.065	3.147	3.444	-	2.833

References

1. Başoğlu, M., Türkiye'nin Scincidae Familyasına Mensup Kertenkele Cinsleri İçin Tayin ANahtarı. *Biyoloji Dergisi*, İstanbul 4(3):99-103, 1954.
2. Anderson, S.C., Leviton, A.E., A review of the Genus *Ophiomorus* (Sauria: Scincidae), with Descriptions of three New forms. *Proceedings of the California Academy of sciences fourth Series*. Vol. 31, no. 16, 499-534, 1966.
3. Budak, A., Türkiye'de *Mabuya vittata* (Scincidae, Lacertilia)'nın Bireysel ve Coğrafi Varyasyonu Üzerinde Araştırmalar. *Sci. Rep. Fac. E.Ü. İzmir*, 162: 1-123, 1973.
4. Baran, I., Türkiye Yılanlarının Taksonomik Revizyonu ve Coğrafi Dağılımları. TÜBİTAK yayınları, Ankara, No: 309, T.B.A.G., Seri No: 9, S. 1-177, 1976.
5. Baran, I., Türkiye'de *Blanus strauchi* Bedriaga 1884 Türünün Taksonomisi. *Doğa Bilim Dergisi*, TÜBİTAK, Ankara, 1:192-196, 1977.
6. Baran, I., Türkiye'de Scincidae familyası Türlerinin Taksonomisi. *Doğa Bilim Dergisi*, TÜBİTAK, Ankara, 1:217-223, 1977.
7. Başoğlu, M., Baran, I., Türkiye Sürüngenleri Kısım I. *Kaplumbağa ve Kertenkeleler*, E.Ü. Fen Fak. Kitaplar Ser., Bornova, No. 76, 1-272, 1977.
8. Başoğlu, M., Baran, I., Türkiye Sürüngenleri Kısım II *Yılanlar*. E.Ü. Fen Fak. Kitaplar Ser. Bornova, No. 81, 1-218, 1980.
9. Baran, I., Batı ve Güney Anadolu'da Yaşayan *Ophisop elegans* Populasyonlarının Taksonomik Durumu, *Doğa Bilim Dergisi*, TÜBİTAK, Ankara, 6: 19-26, 1982.
10. Baran, I., Gruber, U., Taxonomische Untersuchungen an Türkischen gekkoniden. *Spixiana*, München, 5: 109-138, 1982..
11. Baran, I., Öz, M., Anadolu *Agama stellio* (Agamidae, Reptilia) Populasyonlarının Taksonomik Araştırılması. *Doğa Bilim Dergisi*, TÜBİTAK, Ankara, Seri A2, 9: 161-169, 1985.
12. Kumlutaş, Y., Anadolu'da *Ablepharus kitaibelii* (Sauria: Scincidae)'nin Bireysel ve Coğrafi Varyasyonu Üzerinde Araştırmalar. *Doğa-Tr. J. of Zoology*, 17: 103-115, 1993.

13. Tok, C.V.. Reşadiye (Datça) Yarımadası'nın Herpetofaunası. (Doktora Tezi), E.Ü. Fen Bilimleri Ens., Bornova, İzmir, 1-123. 1993.
14. Mermer, A., Anadolu'da Yaşayan *Chalcides ocellatus* (Sauria: Scincidae) Üzerinde Taksonomik ve Biyolojik Araştırmalar. Tr. J. of Zoology, 20: 77-93, 1996.
15. Tok, C.V?, Çevik, I.E., Sayman, A., Gnüybatı Anadolu'dan Toplanan *Ophisops elegans* (Sauria: Lacertidae) Örnekleri Hakkında. Doğa-Tr. J. of Zoology, 20(ek sayı), 285-291, 1996.
16. Göçmen, B., Kumlutaş, Y., Tosunoğlu, M., A. New Subspecies, *Ablepharus kitaibelii* (Bibron & Borry, 1833) budaki n. ssp. (Sauria: Scincidae) From the Turkish Republic of Northern Cyprus. Doğa-Tr. J. of Zoology, 20: 397-405, 1996.