

**Age, growth and survival rate in two populations of *Darevskia derjugini* (Nikolsky, 1898) from different altitudes (Squamata: Sauria: Lacertidae)**

**Abdullah Altunışık\* and Halit Eksilmez**

Recep Tayyip Erdoğan University, Faculty of Arts and Sciences, Biology Department, 53100  
Rize, Turkey

Submitted: May 4, 2020. Final revision received: September 17, 2020. Accepted:  
September 18, 2020

\*) Corresponding author; e-mail: [abdullah.altunisik@erdogan.edu.tr](mailto:abdullah.altunisik@erdogan.edu.tr)

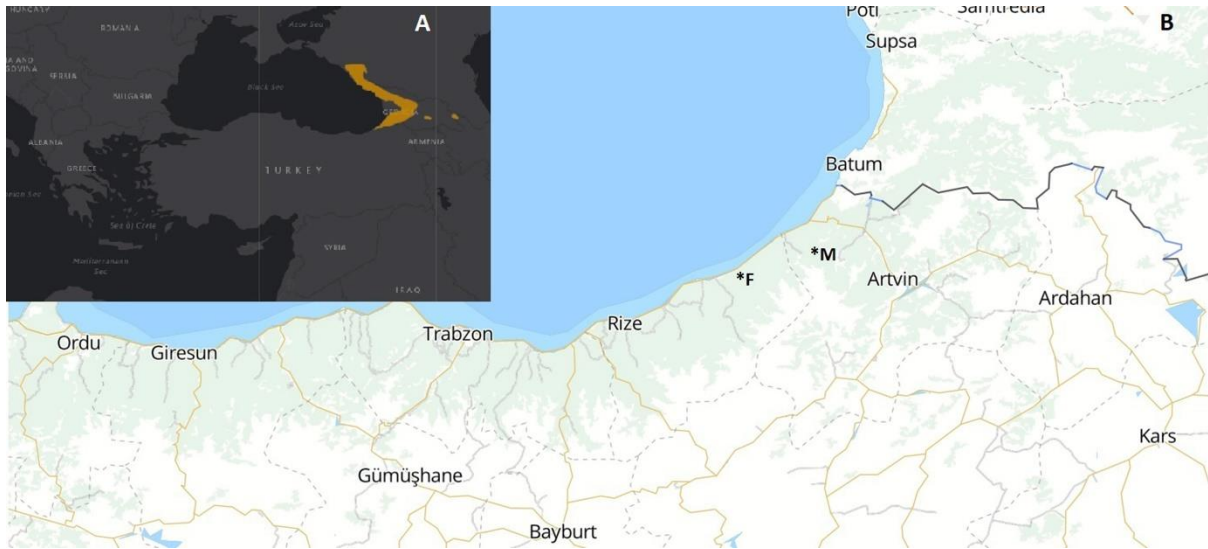
**Supplementary material**

**Table S1.** Descriptive statistics of snout-vent-length (SVL) and age in two populations of adult male (M) and female (F) of *Darevskia derjugini*

Descriptive statistics	Population	
	Fındıklı	Murgul
(M) Mean SVL $\pm$ SE (mm)	46.87 $\pm$ 3.31	46.82 $\pm$ 3.47
(F) Mean SVL $\pm$ SE (mm)	49.95 $\pm$ 2.72	50.55 $\pm$ 2.93
(M+F) Mean SVL $\pm$ SE (mm)	48.50 $\pm$ 0.55	48.93 $\pm$ 0.66
(M) Range of age	2- 6	3- 6
(F) Range of age	2- 6	3- 7
(M+F) Range of age	2- 6	3- 7
(M) Mean age $\pm$ SE (year)	3.94 $\pm$ 1.19	4.08 $\pm$ 0.95
(F) Mean age $\pm$ SE (year)	4.36 $\pm$ 0.95	4.59 $\pm$ 1.12
(M+F) Mean age $\pm$ SE (year)	4.16 $\pm$ 0.18	4.37 $\pm$ 0,19
(M+F) Age at sexual maturity (year)	2-3	3

**Table S2.** SVL (mm) measurements of age classes (N: number of specimens; Min: minimum; Max: maximum; SE: standard error)

Sex	Age class	Population	N	SVL			
				Mean	Min–Max	SE	
Males	2	Findıklı	2	41.82	40.52-43.12	1.3	
		Murgul	-	-	-	-	
	3	Findıklı	4	46.20	43.75- 48.02	1.68	
		Murgul	4	43.86	40.42-45.15	1.99	
	4	Findıklı	6	47.37	44.57-49.42	2.19	
		Murgul	5	47.18	44.25-51.42	2.98	
	5	Findıklı	3	46.55	43.15-50.17	2.29	
		Murgul	3	48.04	46.58-49.53	1.20	
	6	Findıklı	2	51.91	51.78-52.04	0.13	
		Murgul	1	53.12	-	-	
	Females	3	Findıklı	4	46.92	43.89-48.72	1.72
			Murgul	3	47.49	44.88-49.17	1.87
4		Findıklı	6	50.42	46.63-51.12	2.07	
		Murgul	5	48.33	46.13-50.97	1.68	
5		Findıklı	7	50.83	49.15-53.74	1.99	
		Murgul	6	52.37	51.07-55.15	1.35	
6		Findıklı	2	50.51	50.17-54.54	1.97	
		Murgul	2	53.93	53.72-54.15	0.21	
7		Findıklı	-	-	-	-	
		Murgul	1	53.11	-	-	



**Figure S1.** Geographic distribution map of *Darevskia derjugini* (Source: IUCN) (A) and sampling localities in this study (B). Abbreviations: \*F, Fındıklı population; \*M, Murgul population.