As a result of this work, the cladoceran fauna of Ethiopia was investigated in details for the first time. Undoubtedly, new expeditions to the Ethiopian water bodies may bring new findings and help us to estimate the real cladoceran diversity in the whole Africa.

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DISTRIBUTION OF MOLLUSCA FROM BAFA LAKE NEAR AEGEAN SEA (TURKEY) AND WATER QUALITY

H. Sasi, R. Akziypak

Fisheries Faculty Mugla Sitki Kocman University, Mugla, Turkey, hsasi@mu.edu.tr

Bafa Lake is a shallow lagoon which located into southeastern part of the Mentese Mountains in the Buyuk Menderes River Basin and one of the largest coastal shores lake in Aegean region. Bafa Lake is a private wetland which is very important for the livelihood of the people around the area. This is because it offers many benefits for the economy of the region and the country (Turkey) at large. It is among the 76 most important international wetlands in Turkey. Bafa lake has one of the country's most important birds paradise. In 1989 it was considered as a natural protected area and in 1994 was declared a Nature Park (Yarar and Magnin, 1997).

This study was carried on determination Mollusca fauna and Water Quality from Bafa Lake between April 2013 and March 2014. Within the study period 6 taxa were determined in Bafa Lake. *Cerastoderma edule, Mytilaster marioni, Bithynia tentaculata, Potamopyrgus antipodarum, Ecrobia ventrosa* and *Gyraulus albus* were found (Table 1).

Table 1. Dominance of Mollusca in Bafa Lake

Groups	I.St.	II.St.	III.St.	IV.St.	V.St.
BIVALVIA					
Veneroida					
Cerastoderma edule	3.66	8.40	0.82		
Mytilodia					
Mytilaster marioni	67.66	54.40	78.69		

Groups	I.St.	II.St.	III.St.	IV.St.	V.St.
GASTROPODA					
Littorinimorpha					
Bithynia tentaculata	2.22				26.27
Potamopyrgus antipodarum					35.23
Ecrobia ventrosa		4.73	0.41		
Hygrophila					
Gyraulus albus	1.29	0.81	0.60	4.56	1.51

Dominancy and similarity determinations were calculated (Table 2) according to Kocatas (1994), similarity with Sorensen index of Margalef frequency (Birol, 2007).

Table 2. Similarity of collecting sites

Sites	I	II	III	IV	V
I	I	0.42	0.44	0.44	0.40
II		I	0.90	0.42	0.38
III			I	0.42	0.35
IV				I	0.45
V					I

Water quality of Bafa Lake is classified to be level II, according to Klee (1991) and Water Quality Criterie, WPCR (2008).

Table 3. The mean Water Parameters in Bafa Lake

Station Parameters	I. St	II. St	III. St	IV.St	V. St
Temperature (°C)	22.30	22.90	22.20	21.40	21.20
pH	8.26	8.20	8.29	7.77	8.76
DO (%)	95.60	89.80	93.30	82.20	109
EC (mS/cm)	18.17	18.44	18.15	30.52	19.14
Salinity (‰)	10.91	11.08	11.19	1.95	9.62
TDS (mg/l)	13.27	12.92	12.84	23.57	11.39
Total Nitrogen (mg/l)	3.10	1.02	3.75	4.67	3.97
Ortophosphate (mg/l)	0.16	0.23	0.17	0.22	0.18