

Metazoan parasites of Boops boops (Linnaeus, 1758) from the Algerian coast.

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Description :

Six-hundred and forty-five specimens of *Boops boops* (L.) were sampled in the Gulf of Bejaia (Eastern coast of Algeria) and examined for their parasite fauna from February 2013 to March 2014. Among the 15 identified parasites species, *Tetrochetus coryphaenae* (Yamaguti, 1934) and *Pseudaxine trachuri* (Parona & Parugia, 1890) were collected for the first time respectively on digestive tract and gills of *B. boops* from Algerian. The microhabitat and host specificity vary according to parasites species. Statistically significant differences were recorded in the infestation rate and mean intensity between seasons ($p < 0.001$) and also between size classes ($p < 0.001$) and $p = 0.011$ respectively. Parasitism has no apparent effects on the condition (males: $p = 0.195$, females: $p = 0.188$) and the length-weight relationship (males: $p = 0.247$, females: $p = 0.08$) of both sexes. A checklist of all collected metazoan parasites on *B. Boops* from the Mediterranean Sea was produced. Until now *B. boops* from Algeria hosts 37 species of Metazoan parasites among the 56 known species in the Mediterranean Sea. Our study has added two new parasite species infecting the Algerian *B. boops*.

Subject Category: Organism Names

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