



## **Diversity of Onchoproteocephalidea and Phyllobothridea (Platyhelminthes: Cestoda) in elasmobranchs from the Gulf of Oman**

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### **Abstract**

During the course of study 324 specimens of elasmobranchs belong to six families, seven genus and ten species were collected from the Gulf of Oman. These include 299 rays and 25 shark's species. The host were dissected and investigated for the Onchoproteocephalid and Phyllobothrid tapeworms. Identified tapeworms from the spiral intestine of elasmobranchs belong to five genus including Acanthobothrium, Anthobothrium, Paraorygmatobothrium, Uncibilocularis and Phoreiobothrium. This is the first record of Anthobothrium and Uncibilocularis from the Gulf of Oman.

In the present study variation of the mean intensity, mean abundance and prevalence of parasites were compared according to host species. Ecological diversity indices including species richness, Shanon – Wiener diversity, equitability and dominance indices are discussed. Sorrenson quality and quantity indices were also used to compare parasitic infection of different hosts.