NEW RECORDS OF DIGENEA (PLATYHELMINTHES) IN LABRID FISHES FROM THE ALGERIAN COAST

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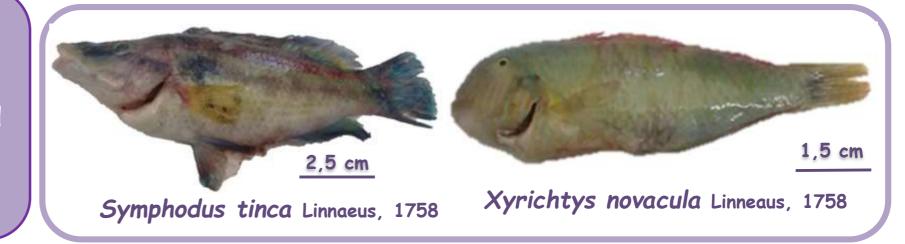
INTRODUCTION & AIM

Due to their biological diversity and ecological importance, Labridae represent an important family of marine fish (Nelson, 2006). A study of the biodiversity of Digenea in two species of teleost fish, Labridae Symphodus tinca Linnaeus, 1758 and Xyrichtys novacula Linnaeus, 1758, collected along the Algerian coast, has enabled us to identify four parasitic species that we are reporting for the first time in Algeria.

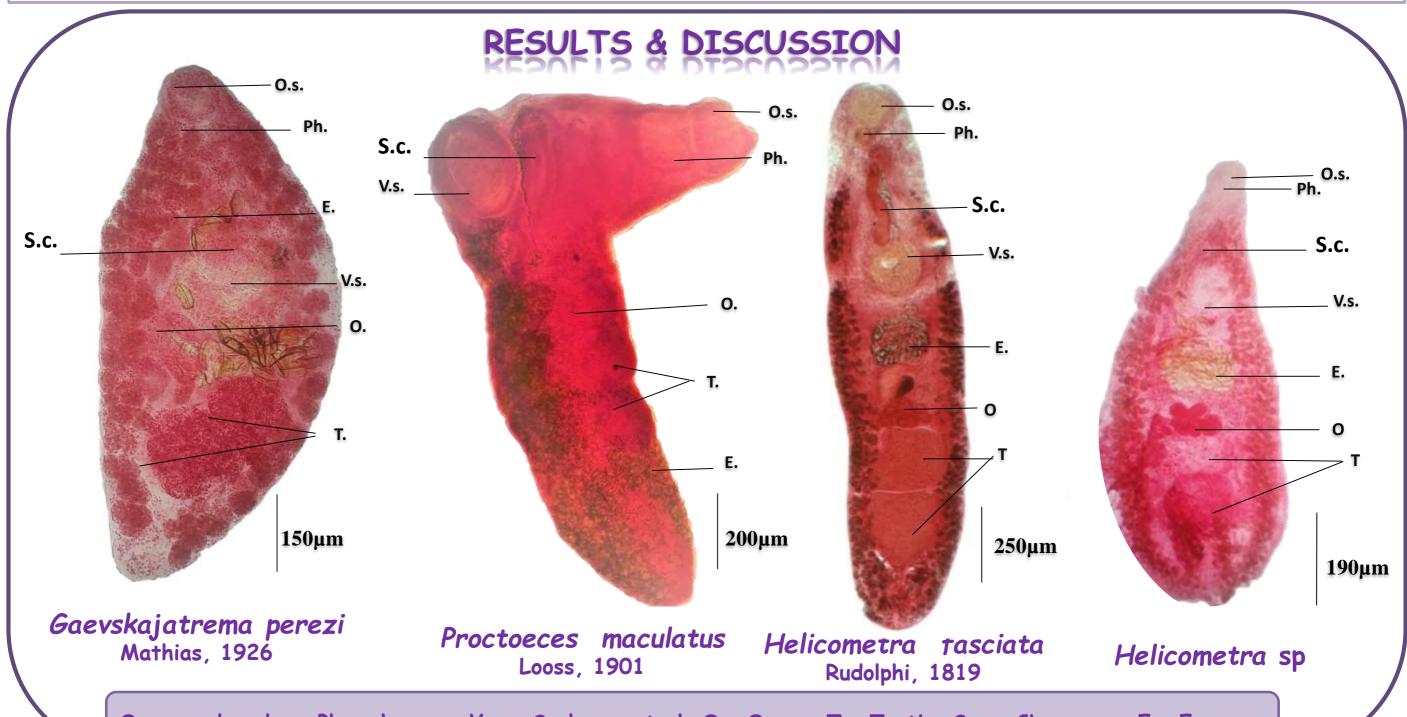
METHOD

Between 2019 and 2022, the intestines of 243 Labridae specimens belonging to two species, *S. tinca* Linnaeus, 1758, and *X. novacula* Linnaeus, 1758, were examined for the

presence of digeneons



The digeneans collected were fixed in 70% alcohol with a few drops of aqueous Bouin's solution, then stained with boric carmine, dehydrated in alcohol baths (70%, 96%, and 100%), clarified with eugenol, and mounted between slides and coverslips with Canada balsam.



O.s.: oral sucker; Ph.: pharynx; V.s.: Sucker ventral; O.: Ovary; T.: Testis; S.c.: Cirrus sac; E.: Egg

CONCLUSION

This taxonomic and morpho-anatomical study of Digenea, intestinal parasitic flatworms of the Labrid family found on the Algerian coastline has identified four parasitic species belonging to two families: Opecoelidae Ozaki 1925 and FellodistomidaeNicoll, 1909: *Proctoeces maculatus* Looss, 1901; *Gaevskajatrema perezi* Mathias, 1926; *Helicometra fasciata* Rudolphi, 1819; and Helicometra sp., respectively.

- ❖ These parasites, already reported in the Mediterranean, are new to the parasitofauna of Algerian teleosts.
- * This work contributes to our knowledge of the biodiversity of Digenea in Algerian teleosts.

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