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INTRODUCTION

Monogenea is a class of parasitic flatworms commonly found in fishes. Five species have been collected from Sparid fishes, all belonging to the family Microcotylidae; one of the most diverse families in this class.

MATERIAL & METHODS

Four Sparid fishes (**Fig. 1**) were collected from the Algerian coast (**Fig. 2**) :

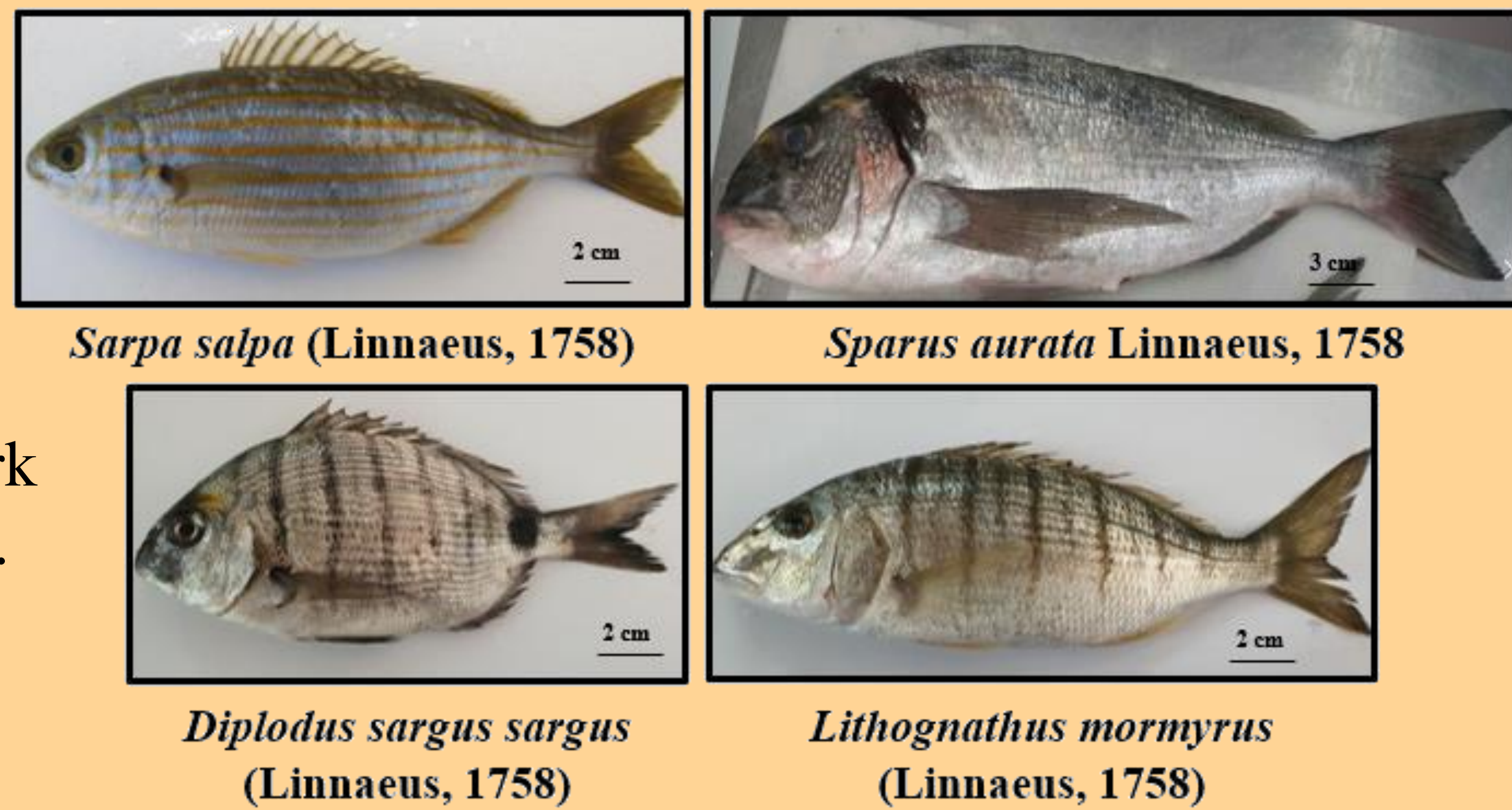


Fig. 1: The fishes collected in this work (Family: Sparidae).



Fig. 2: The Algerian coast.

Gills

Extracted and examined for Monogenea

Monogenea

Flattened and Fixed in 70% ethanol

Stained with acetic carmine

Dehydrated in ethanol series (70, 96 and 100%)

Cleared in clove oil

Mounted in Canada balsam.

RESULTS & DISCUSSION

Based on the morpho-anatomical characteristics such as the shape and armature of the genital atrium, five species were identified: *Atriasiter heterodus* Lebedev & Parukhin, 1969, *Polylabris tubicirrus* (Paperna & Kohn, 1964) Mamaev & Parukhin, 1976, *Bychowskicotyla mormyri* (Lorenz, 1878) Unnithan, 1971, *Atrispinum salpae* (Parona & Perugia, 1890) Euzet & Maillard 1974 and *Sparicotyle chrysophrii* (Van Beneden & Hesse, 1863) Mamaev, 1984 (**Fig. 3**). All these species belong to the family Microcotylidae Taschenberg, 1879.

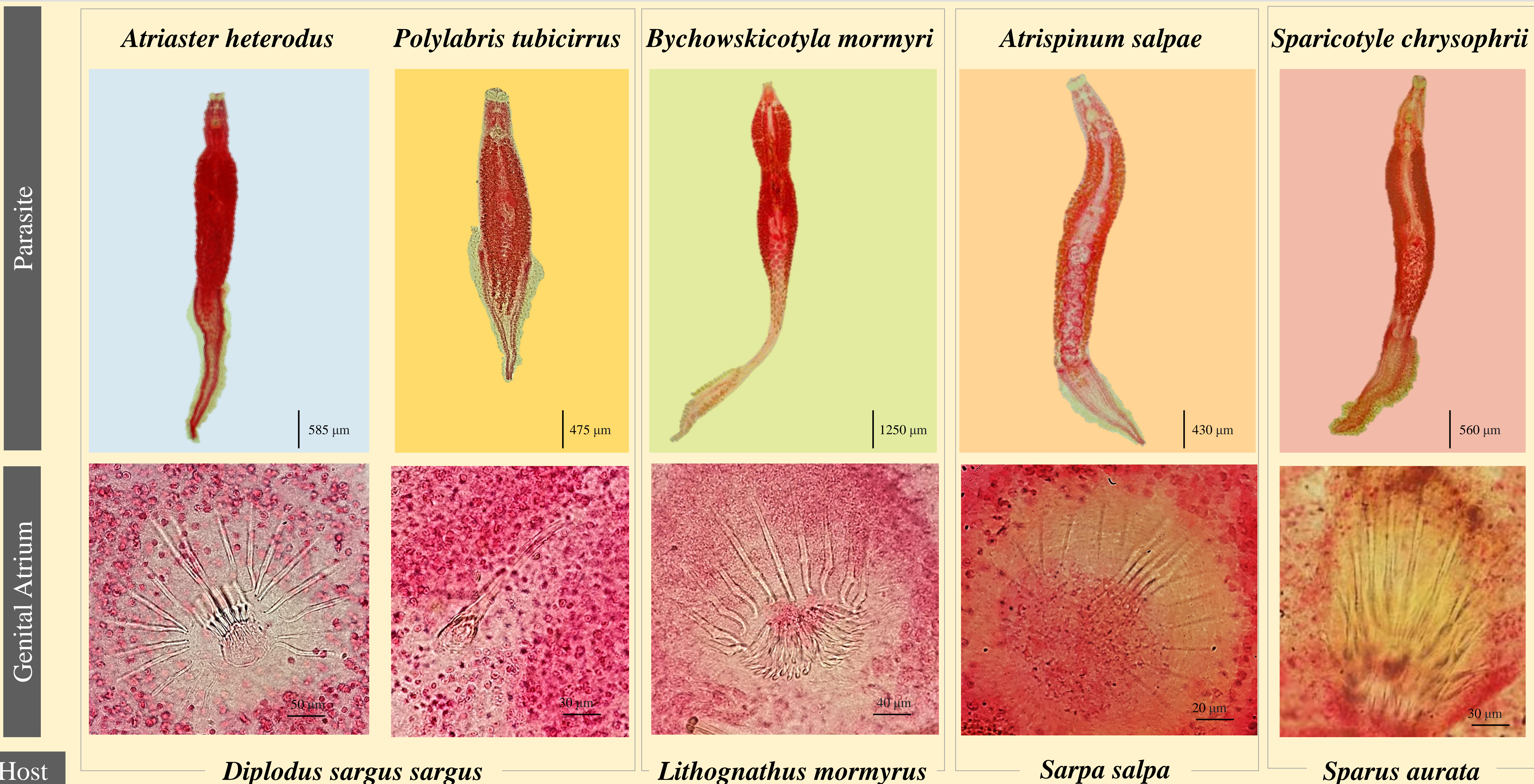


Fig. 3: The Monogeneans found in the collected fishes.

Other authors also reported these species in the same hosts on the Algerian coast (Kouider El Ouahed-Amine, 1998; Kaouachi, 2010; Hadjou, 2019; Lablack et al., 2022) and worldwide (Lopez-Romàn & Guevara Pozo, 1973; Hayward & Rohd, 1999; Akmirza, 2013).

CONCLUSION

This work is a contribution to the knowledge of the biodiversity of the parasitic Monogenea in Teleostean fishes. It would be interesting to study the other species of Teleostean fishes and establish a checklist of Monogeneans in Algeria.

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