

DIGITAL APPENDIX 1

APÉNDICE DIGITAL 1

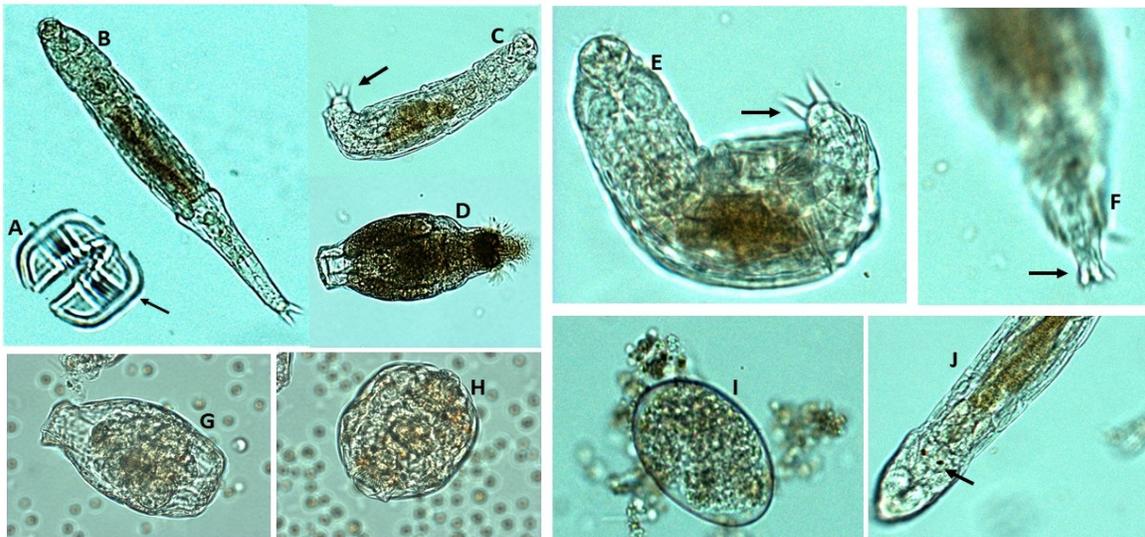
The confirmation of the genre was based on the opinion of Dr. Diego Fontaneto (e-mail: diego.fontaneto@cnr.it). We concluded that the Bdelloidea rotifer, initially identified as *Rotaria* sp., is actually *Philodina cf roseola*. The following characteristics confirm the genus and the species (Appendix 2): the rotifer has a long and thin body (B and C), has a long foot, ends with two rigid conical appendices (E) and has four long toes which are visible when the rotifer is displaced (F, black arrow; previously we noticed 3 feet). It swims with the crown extended (D). Eyes commonly located in the brain (J, black arrow) at the same level of the trophi (A); the uncus has two teeth (A, black arrow), highlighting the conspicuous projection called Apophysis of Ramus. The genus *Philodina* is between 100-800 µm long, lives in freshwater environments.

DIGITAL APPENDIX 2

Anatomical description of the rotifer *Philodina cf roseola*: A) trophi, B) female, C) foot; black arrow, E) toes, F) three toes), G and H) female in anhydrobiopsis, I) parthenogenetic eggs, and J) Eyespot.

APÉNDICE DIGITAL 2

Descripción anatómica del rotífero *Philodina cf roseola*: A) trofi, B) hembra, C) pie; fleche negra, E) dedos, F) tres dedos, G and H) hembra en anhidrobiosis, I) huevo partenogénético, and J) ocelo.



DIGITAL APPENDIX 3

Morphometric data of the female, male, eggs and trophi found in *Philodina cf roseola*

APÉNDICE DIGITAL 3

Datos morfométricos de hembras, machos, huevos y trofi encontrados en *Philodina cf roseola*

	Length (μm)	Width (μm)
Female	286.35	52.48
Trophi	18.57	23.20
Parthenogenetic eggs	73.04	49.17