



## Microstructures morphology - Ophiuroidea [↗](#)

Version 2

PLOS One

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### ABSTRACT

Study of the microstructure morphology, particularly arm ossicles of ophiuroids.

### EXTERNAL LINK

<https://doi.org/10.1371/journal.pone.0210331>

### THIS PROTOCOL ACCOMPANIES THE FOLLOWING PUBLICATION

Alitto RAdS, Amaral ACZ, Oliveira LDd, Serrano H, Seger KR, Guilherme PDB, Domenico MD, Christensen AB, Lourenço LB, Tavares M, Borges M (2019) Atlantic West *Ophiothrix* spp. in the scope of integrative taxonomy: Confirming the existence of *Ophiothrix trindadensis* Tommasi, 1970. PLoS ONE 14(1): e0210331. doi: [10.1371/journal.pone.0210331](https://doi.org/10.1371/journal.pone.0210331)

### PROTOCOL STATUS

**Working**

#### Choose

- 1 Choose the best-preserved specimens.

#### Extract a piece of arm

- 2 Extract from a small part of the proximal arm, between the fifth and the tenth segment.

#### Household bleach

- 3 Immerse the arm segment in regular household bleach (NaClO) until the soft tissues be removed.

#### Prepare the stub to observe on Scanning Electronic Microscope (SEM)

- 4 The ossicles have to be washed with distilled water, air-dried, and prepared for examination with a SEM model JEOL JSM5800LV



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