



METADATA

Title: Laboratory Manual for Zoology: Protista, Tissues, Invertebrates

Other Titles: -

Language: Greek

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ISBN: 978-618-5726-90-4

Subject: MEDICINE AND HEALTH SCIENCES, LIFE SCIENCES, BIOLOGICAL SCIENCES

Keywords: Protista / Porifera / Cnidaria / Platyelminthes / Nematoda

Bibliographic Reference: Voultsiadou, E., Michaloudi, E., Argyropoulou, M., Antoniadou, C., & Staikou, A. (2023). Laboratory Manual for Zoology: Protista, Tissues, Invertebrates [Laboratory Guide]. Kallipos, Open Academic Editions.
<http://dx.doi.org/10.57713/kallipos-215>

Abstract

Zoology is a core subject in the undergraduate programs of Biology around the world, and students' laboratory practice is essential to solidifying and broadening their theoretical training. This textbook is a guide for the laboratory training of invertebrate zoology students. It includes a series of exercises that focus on the morphology and systematics of basic taxa aiming to allow the student comprehend the structure and diversity of the animal kingdom. The first two laboratory exercises examine the protozoan group and the structure of animal tissues, followed by exercises on the animal taxa of sponges, cnidarians, platyhelminthes, nematodes, annelids, molluscs, chelicerates, myriapods, crustaceans, insects, and echinoderms. For each group, general information is given

about its biology, its basic classification at the class or order level; representative organisms are presented with numerous images with detailed indications that help the student observe under the microscope, in living or preserved material, the characteristics of animals. For some groups, such as molluscs, crustaceans and echinoderms, the anatomy of characteristic species is included, with detailed descriptions and exemplifying illustrations, so that the student can perform the anatomy himself following the instructions. In several cases, e.g. sponges, molluscs, insects, crustaceans, the learning of the group is completed with the use of identification keys specially constructed so that the student becomes familiar with the most common species of the Greek fauna.

