



**A new species of amphipod, *Megamphopus katagani* sp. nov.
(Crustacea: Peracarida: Photidae) from the Sea of Marmara (Turkey),
with a key to the species of *Megamphopus* in the North Atlantic,
Mediterranean and associated Seas**

KEREM BAKIR¹, MURAT SEZGIN² & ALAN A. MYERS^{3,4}

¹Ege University, Fisheries Faculty, Department of Hydrobiology, TR35100 Bornova, İzmir, Turkey

²Sinop University, Fisheries Faculty, Department of Hydrobiology, TR57000, Sinop, Turkey

³Department of Zoology, Ecology and Plant Science, University College Cork, Enterprise Centre, Distillery Fields, North Mall, Cork, Ireland

⁴Corresponding author. E-mail: bavayia@gmail.com

Abstract

A new species of amphipod, *Megamphopus katagani* sp. nov., is described from the sea of Marmara (Turkey). A key to the species of *Megamphopus* known from the North-East Atlantic, Mediterranean and associated seas is provided.

Key words: Amphipoda, *Megamphopus katagani*, taxonomy, new species, Turkey

Introduction

During a recent survey in the Sea of Marmara (Fig. 1), amphipods were collected from the benthos. Amongst the samples was discovered a species of *Megamphopus* Norman, 1869 that could not be allocated to any known species. It is described here under the name *Megamphopus katagani* sp. nov. There are now five species (*M. longicornis* Chevreux, 1911; *M. brevidactylus* Myers, 1976, *M. longidactylus* Chevreux, 1925, *M. cornutus* Norman, 1869 and *Megamphopus katagani* sp. nov.) of *Megamphopus* known from the North-East Atlantic, Mediterranean and associated seas. A key to these species is provided together with a description and figures of the new species.

Material and methods

The biotopes of two stations (1 and 2) are coralligenous and the other two stations (3 and 4) are sand-mud mixture. Collected specimens were first fixed in a 4% formalin solution in the field and transferred to 70% ethanol in the laboratory. The sampled specimens were examined and dissected under a stereo microscope and then observed under a compound microscope after mounting on slides. Drawings were made with the aid of a drawing tube mounted on a compound microscope. All the type material is deposited in the ESFM (Museum of Faculty of Fisheries, Ege University, Bornova, İzmir).

Abbreviations used in figures. Md = mandible; Mx1, Mx2 = maxilla 1 and 2; Mxp = maxilliped; G1, G2 = gnathopods 1 and 2; P3–P7 = pereopods 3–7; U1–U3 = uropods 1–3; T = telson.