

## Checklist of fresh and brackish water free-living copepods (Crustacea: Calanoida and Cyclopoida) from Croatia

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### Abstract

A checklist of Croatian copepods (97 cyclopoid and calanoid species and subspecies), which includes information related to the region in which the species were found, is presented. In addition, a discussion related to the species included and excluded from the list is provided.

**Key words:** Copepoda, Croatia, Crustacea, checklist

### Introduction

The freshwater, free-living copepod fauna of Croatia has been sporadically investigated during last two hundred years. The first investigations were carried out by Šoštarić (1888, 1899), Car (1901, 1902, 1906, 1911) and Krmpotić (1913a & b, 1914, 1924). Since then, Petkovski (1954, 1955, 1956, 1961, 1978, 1983), from Macedonia, has made significant contributions to the knowledge of copepod systematics and taxonomy, including the description of new species from Croatia. Sket (1986, 1988, 1994) and Brancelj (1991, 2001) from Slovenia have undertaken research on subterranean copepod species, while several Croatian scientists have also contributed to the knowledge of the copepod fauna (e.g. Matoničkin & Pavletić 1967; Matoničkin 1971; Mišetić 1975, 1990a & b, 1992, 1993, 1995a & b; Vrebčević 1988, 1989, 1990, 1991a & b, 1992; Primc-Habdić 1982, 1993, 1995).

The present paper is based on detailed analysis of all publications on Copepoda known to the authors, as well as personal communications. The first author has also contributed additional records, related to the distribution of Croatian copepods, which resulted from research conducted in the last decade (Bukvić 1996, 1998a & b; Bukvić *et al.* 1997, 1998, 1999; Bukvić-Ternjej 2001; Ternjej 1999, 1999/2000, 2001, 2002a & b, 2004; Ternjej & Tomec 2005; Tomec & Ternjej *et al.* 2002).

### Materials and Methods

This paper is based on a review of a data in the literature, on unpublished data from environmental impact studies, and our own research of the copepod fauna in Croatia.

The names of taxa, present in this checklist reflect current nomenclature and classifications (see Kiefer & Fryer 1978; Botosaneanu 1986; Rouch 1994; Einsle 1993, 1996; Ranga Reddy 1994; Dussart 1967, 1969; Dussart & Defaye 1983, 1985, 1995).

Taxonomic diversity is considered at the level of family, subfamily, genus, subgenus, species and subspe-