

## Check-List of The Freshwater Algae of Turkey

### Türkiye Tatlı Su Alglerinin Kontrol Listesi

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#### Abstract

The freshwater algae of the lakes, dam lakes, streams, brooks, puddles, thermal springs, marshes of Turkey based on literature records are listed in this study. 179 studies have been carried out by different workers, in which 2030 taxa were identified [(354 Cyanophyceae, 159 Euglonidea, 24 Dinophyceae, one (1) Bangiophyceae, five (5) Florideophyceae, 378 Chlorophyceae, one (1) Pleurastrrophyceae, seven (7) Charophyceae *stricto sensu*, eight (8) Euphyceae, 266 Conjugophyceae, five (5) Cryptista, two (2) Fucophyceae, 25 Xanthophyceae, nine (9) Chrysophyceae, four (4) Synurophyceae, 63 Coscinodiscophyceae, 101 Fragilariophyceae, 617 Bacillariophyceae and one (1) Bicoecea]. 18 taxa were given as new record for the freshwater algal flora of Turkey.

**Key words:** algae, freshwater, Turkey

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#### Introduction

This check-list of freshwater algae of Turkey is intended to be a catalogue, in which are included the Cyanophyceae, Euglonidea, Dinophyceae, Bangiophyceae, Florideophyceae, Chlorophyceae, Pleurastrrophyceae, Charophyceae, Euphyceae, Conjugatophyceae, Cryptista, Fucophyceae, Xanthophyceae, Chrysophyceae, Synurophyceae, Coscinodiscophyceae, Fragilariophyceae, Bacillariophyceae and Bicoecea. The studies have been carried out by a group of Turkish phycologists. A total of 59 stations were studied in the region (Fig. 1). The accepted number of specific and infraspecific taxa of Turkish freshwater algae is 2031 based upon current taxonomy.

Knowledge of Turkish freshwater algae has increased in the last few years. Our primary objective was to take the available pool of information and produce a single list and geographic index for Turkey. However, this list is not intended to be a definitive catalogue.

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