

Atti e Convegni

22nd MEETING
OF THE
GROUP OF EUROPEAN
CHAROPHYTOLOGISTS (GEC)

Palermo, Italy
17-21 September 2018



Programme & Abstracts

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Angelo Troia



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22nd Meeting of the Group of European Charophytologists (GEC22), Palermo, Sept 17-21, 2018

***Chara globularis* – *Chara connivens* – *Chara contraria*: more insights from morphology and genetics**

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Most field charophytologists have experienced that the morphology of *Chara* specimen can be “intermediate” between two different species. We collected a *Chara* sample in lake Sava, close to Belgrade, Serbia. The habitus of this specimen resembled *C. contraria*, but the microscopic details (“spines”, stipulodes) resembled *C. virgata*. Preliminary analysis of the matK gene, however, clearly place the sample into *C. contraria*. This means that *C. contraria* sometimes may have stipulodes where only the upper row is elongated.

We also collected a sample which morphologically resembled *C. connivens* in Dulin pond (44°51'11.5" N 21°17'52.2" E), Serbia. The sample was clearly dioecious, and we analysed male and female samples. Preliminary analyses of the matK gene placed this sample into a separate sub-cluster of *C. globularis* (i.e. not together with *C. connivens*, but an own sub-group within *C. globularis*). We will present the most recent results on these specimens.