



Hrvatsko biološko društvo  
SOCIETAS BIOLOGORUM CROATICA  
Croatian Biological Society

**13. HRVATSKI BIOLOŠKI KONGRES**  
s međunarodnim sudjelovanjem

**13<sup>th</sup> CROATIAN BIOLOGICAL CONGRESS**  
with International Participation

Poreč, 19 - 23. 09. 2018.



**ZBORNİK SAŽETAKA**

**BOOK OF ABSTRACTS**



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13. HRVATSKOG BIOLOŠKOG KONGRESA**

**BOOK OF ABSTRACTS  
OF THE 13<sup>th</sup> CROATIAN BIOLOGICAL CONGRESS**

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## P-75

### AN UPDATED CHECKLIST OF AQUATIC AND TERRESTRIAL INVERTEBRATES AND FISH FAUNA FROM DOJRAN LAKE AND ITS SURROUNDING (R. MACEDONIA)

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The presented checklist is a first critical list of aquatic and terrestrial invertebrates and fish fauna from Dojran Lake and its surrounding (R. Macedonia). The list is based on historical literature data and field research by the authors during August 2016. In addition, identification and registration of errors from previous studies have been also indicated. Results show that Dojran Lake and the terrestrial habitats around it support extremely high diversity of species, including numerous local, national and Balkan endemic species, confirming that the lake meets the Key Biodiversity Areas criteria in the country.

Keywords: checklist, invertebrates, fish, biodiversity, Dojran Lake, terrestrial habitats

## P-76

### PAROŽINE (CHARALES, CHARACEAE) HRVATSKE

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Parožine ili alge iz porodice Characeae složene su alge makroskopskog talusa koji izgledom podsjeća na preslice. Uvrštene su na popis Natura 2000 staništa pod nazivom Tvrde oligomezotrofne vode s dnom obraslim parožinama. Kako parožine Hrvatske do danas nisu sustavno popisane, ovim je radom proveden detaljan uvid literaturnih podataka, neobavljenih podataka iz istraživanja koautora, kao i podataka iz studija i elaborata kojima su parožine bile obuhvaćene. U Hrvatskoj je ukupno utvrđeno 36 vrsta parožina iz svih šest do sada opisanih rodova: *Chara* (19), *Lamprothamnium* (2), *Lychnothamnus* (1), *Nitella* (10), *Nitellopsis* (1) i *Tolypella* (4). Prema geografskoj rasprostranjenosti, najviše su rasprostranjene u Dinarskoj ekoregiji, ali određeni broj vrsta dolazi i u Panonskoj ekoregiji. Kao Natura 2000 stanište, dominantna su skupina vodene vegetacije u većini hrvatskih prirodnih krških jezera pa ih tako nalazimo u Plitvičkim jezerima, Vranskom jezeru na otoku Cresu, Vranskom jezeru u Dalmaciji i Bačinskim jezerima. Kao pioniri vegetacije dolaze i u povremenim lokvama ili jezerima na hrvatskim otocima poput otoka Mljeta, Paga, Krka i mnogih drugih te duž cijele obale. Ovaj prvi sistematičan popis parožina Hrvatske temelj je

zaštite prirode i značajan doprinos poznavanju bioraznolikosti Hrvatske, posebice jer su njime obuhvaćene neke od najrjeđih pa sve do vrlo čestih vrsta.

Ključne riječi: parožine, popis, rasprostranjenost

## STONEWORKS (CHARALES, CHARACEAE) OF CROATIA

I. Stanković<sup>1</sup>, A. Alegro<sup>2</sup>, A. Rimac<sup>2</sup>, A. Vesić<sup>3</sup>, J. Blaženčić<sup>3</sup>

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Stoneworts or algae from family Characeae are complex algae with macroscopic habitus that recall to horsetails. They are listed as Natura 2000 site under the name of Hard oligo-mesotrophic waters with benthic vegetation of Chara spp. Since diversity or presence of Croatian stoneworts was never systematically investigated, detailed insight in literature data, unpublished data from co-authors researches, as well as data from environmental studies that comprised stoneworts was done. According to all available sources, there are 36 species of stoneworts in Croatia in total that belongs to all six genera: *Chara* (19), *Lamprothamnium* (2), *Lychnothamnus* (1), *Nitella* (10), *Nitellopsis* (1) and *Tolypella* (4). Geographically, stoneworts are mostly distributed in Dinaric Ecoregion, with minor number of species in Pannonian Ecoregion. They are dominant aquatic vegetation in most of Croatian natural karstic lakes as Natura 2000 site, therefore we find them in large abundance in Plitvice Lakes, Lake Vransko on Island of Cres, Lake Vransko in Dalmatia and in Baćina Lakes. As pioneers of vegetation, stoneworts are often found in temporary ponds and lakes on islands throughout all Adriatic coast, like on islands Mljet, Pag, Krk and many others. This is the first systematic list of stoneworts in Croatia and a foundation for nature protection as well as significant contribution to knowledge of Croatian biodiversity, especially because it brings data about some of the rarest and very common specie

Keywords: charophytes, check list, distribution

## P-77

### HELMINTH FAUNA OF PRESPA BLEAK (*Alburnus alburnus belvica* KARAMAN, 1924) (PISCES: CYPRINIDAE) FROM MACEDONIAN PART OF LAKE PRESPA

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Eight out of the eleven indigenous fish species of Prespa are endemic, i.e. they exist only in the Prespa region and in no other place on earth. One of these endemic fish species is Prespa bleak (*Alburnus alburnus belvica*). The parasitological examination from the Macedonian part of the Lake Prespa showed that all of 147 examined specimens of Prespa bleak fishes were infested (100.0%). In our case study the presence of 13 parasite species was established: *Dactylogyrus alatus* f. *typica*, *Dactylogyrus sphyrna*, *Paradiplozoon alburni*,