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BOOK OF ABSTRACTS

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DISTRIBUTION OF *HYDRURUS FOETIDUS* (VILL.) KIRCH. (*CHRY SOPHYTA*) SPECIES IN HIGHLAND STREAMS OF SERBIA

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During long-years investigation of macroalgae in highland streams on territory of Serbia, we established algae from next divisions: Cyanophyta, Rhodophyta, Chrysophyta, Xanthophyta, Chlorophyta and Charophyta. Only one species, *Hydrurus foetidus* (Vill.) Kirch., from division Chrysophyta was found. Brown-green gelatinous colonies of this alga, long up to 15 cm, were found during period from 1991 to 2000 year in the streams and rivers of south-east (Crnovrska river and Trgoviski Timok), south (rivers – Vlasina, Pcinja and Murzica, as well as greater number of streams on Sar mountain) and south-west Serbia (Samokovska and Duboka rivers). This algae have been found on height above sea level from 235 to 1700 m (according to literature data this species is known as highmountain), in epilithic community, in IV, VI, VII, VIII and X months, always in cold (from 7.2 to 14°C), fast (from 0.63 to 1.42 m/s), well aerated (7.78 to 13.58 mg/l) and clean water (I or rarely II class). Epilithic algae from division Bacillariophyta: *Diatoma ehrenbergii* Kütz., *D. vulgaris* Bory. and *Fragilis arcus* (Ehr.) Cl., have been often found on thali of the *H. foetidus* species.