

Instruction for preparation of communications for New cryptogamic records

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Communications should include data only on new and previously unpublished species for the region. The annotations should include data on location with geographical coordinates, habitat, substrate, collection date, the name of collector, collection and herbarium numbers of specimens if present. Geographic, taxonomic, ecological and other necessary comments are desirable. Only closest locations of the species should be mentioned. A limited number of references is required. The text should not exceed 2500 characters with spaces per taxon.

Communications on microalgae (diatoms, chrysophytes, etc.) must be supported by their SEM, TEM or LM images. Molecular data on the critical groups of cryptogams may be required.

The role of each co-author should be evident from the text.

The submitted version of the communication for New cryptogamic records must include title, affiliation(s), full name in the original language of the author responsible for correspondence with the editor and his/her e-mail, brief abstract, keywords, text, acknowledgments, and references.

The title must correspond to the style of the latest issues of New cryptogamic records and include the name of the taxonomic group, the official name of the administrative region, country name in brackets and initials and surname of the author(s).

The abstract must include only the name of the taxonomic group and the name of the herbarium where the collection is kept if its preservation is possible.

Keywords must include only names of reported species in alphabetic order, the name of the taxonomic group in English and the official name of the collection region.

The text of the communication should not include Introduction, Material and Methods.

Formatting of the affiliations, text, references, illustrations and citation of specimens should correspond to the Instructions for authors.

New record of silica-scaled chrysophyte alga for the Leningrad Region and North-West of European

Russia. S. N. Shadrina. — Новая для Северо-Запада европейской части России находка золотистой водоросли из Ленинградской области. С. Н. Шадрина.

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Abstract. First records of silica-scaled chrysophyte alga for the Leningrad Region and North-West of European Russia are presented. The data on their localities, habitats, distribution and specimens are provided. The specimens are kept in the Herbarium of the Komarov Botanical Institute RAS (LE).

Keywords: names of reported species in alphabetic order, name of taxonomic group in English, official name of collection region.

Резюме. Приведены первые указания золотистой водоросли для Ленинградской обл. и Северо-Запада европейской части России. В аннотации даны сведения о местонахождении, местообитании и

распространении. Находки подтверждены гербарными образцами, хранящимися в Гербарии БИН РАН (LE).

Ключевые слова: латинское название вида (видов), группа организмов, название региона и другие географические привязки.

Mallomonas scalaris Dürschm. — Leningrad Region, Vyborgsky District, east coast of the West Berezovy Island, 59°52'11.0"N, 29°54'02.6"E, in a benthic sample from the mouth of a stream flowing into the bay, water parameters: t = 18° C, pH 6, 25 VI 2017, *Shadrina*, LE A0000362 (Fig. 1).

This is a species with a scattered distribution (Škaloud *et al.*, 2013). In Russia, *Mallomonas scalaris* was found earlier in Vorkutinskaya tundra in the Komi Republic with water parameters: t = 8–9° C, pH 5.5 (Voloshko, 2017). The nearest European location is in Finland (Hällfors, Hällfors, 1988).



Fig 1. *Mallomonas scalaris*, TEM (from LE A0000362).

1 — collar scale; 2 — body scale.

Scale bars: 1 μm .

Acknowledgments

References

Hällfors G., Hällfors S. 1988. Records of chrysophytes with siliceous scales (Mallomonadaceae and Paraphysomonadaceae) from Finnish inland waters. *Hydrobiologia* 161: 1–29. https://doi.org/10.1007/978-94-009-3097-1_1

Škaloud P., Škaloudová M., Pichrtová M., Němcová Y., Kreidlová J., Pusztai M. 2013. www.chrysophytes.eu — a database on distribution and ecology of silica-scaled chrysophytes in Europe. *Nova Hedwigia, Beiheft* 142: 141–146.

Voloshko L. N. 2017. *Zolotistye vodorosli vodoemov Severa Rossii* [Chrysophycean algae in water bodies of the Northern Russia]. St. Petersburg: 380 p. [Волошко Л. Н. 2017. *Золотистые водоросли водоемов Севера России*. СПб.: 380 с.].