Lomonosov Moscow State University

MARINE BIOLOGY, GEOLOGY AND OCEANOGRAPHY — INTERDISCIPLINARY STUDIES BASED ON THE MARINE STATIONS AND LABS

80th anniversary of the Nikolai Pertsov White Sea Biological Station

International conference

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The conference “Marine biology, geology and oceanography – interdisciplinary studies based on the marine Stations and Labs” (November 19–21, 2018) is dedicated to the 80 anniversary of Nikolai Pertsov White Sea Biological Station. This conference is held in the framework of the scientific-practical conference “Marine Research and Education”. The conference includes following topics: physiology, developmental biology and regeneration, ecology, taxonomy and phylogeny, biology of marine animals, interdisciplinary research, marine mycology, algology and microbiology, functional structure of marine species distribution ranges, and bitopes of marine communities, studies of biota and ecosystems of relict coastal lakes performed at marine Stations and Labs, including WSBS of Lomonosov Moscow State University.

В сборник вошли тезисы докладов, подготовленные участниками международной конференции, посвященной празднованию 80-летия Беломорской биологической станции им. Н.А.Перцова «Морская биология, геология, океанология — междисциплинарные исследования на морских стационарах» (19–21 ноября 2018 г.). Конференция проходит в рамках научно-практической конференции «Морские исследования и образование». Темы конференции затрагивают следующие тематики: физиология, биология развития и регенерация, экология, таксономия и филогения, биология морских животных, междисциплинарные исследования, морская микология, альгология и микробиология, функциональная структура ареалов морских организмов и биотопическая основа сообществ, исследования биоты и экосистем реликтовых прибрежных озер выполненных на морских стационарах, в том числа на ББС МГУ.

Organising committee: Sadovnichiy V.A., Abramochkin A.D., Andrianov A.V., Bubnova E.N., Dobrolyubov S.A., Grum-Grgimaylo O.A., Kirpichnikov M.P., Kosevich I.A., Krasnova E.D., Malakhov V.V., Masey Y.A., Mokievsky V.O., Puscharovsky D.Y., Rimskaya-Korsakova N.N., Romanenko F.A., Rubtsov A.M., Shabalin N.V., Shoba S.A., Skulachev V.P., Spiridonov V.A., Tokarev M.Yu., Tzetlin A.B., Vortsepneva E.V., Zhadan A.E.

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Benthos of the subtidal zone of the Kislaya Bay (White Sea, Kandalaksha Bay)

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In August 2018, macrozoobenthos of the nook part of Kislaya Bay was investigated. Its waters adjoin to two separating basins: the meromictic Lake Nizhnee Yershovskoye and saline lagoon on the Green. The study area falls within a depth range of 1.1 to 11 m. A total of 78 species of benthic invertebrates were found in the material. In general, the community can be attributed to the *Macoma balthica* biocenosis, which is characteristic of silty and sandy soils of the corresponding depths in the vicinity of the WSBS MSU. The communities of the deep-water (6-10 m), shallow-water and the community of narrow shallow-water strait separating the nook from the Kislaya Bay from its southeast part are distinguished. This paper compares the fauna of the Kislaya Bay with that of the saline lagoon on Green Cape, the bucket bay Babye More and the separating reservoirs of Son-Island. The Kislaya bay is a bucket bay with a marine hydrological structure and fauna and can serve as a backdrop for comparing reservoirs in the early stage of separation from the White Sea.

Observations of the population of Ophioglossum vulgatum L. around the Sour-Sweet lake.

Mardashova M.V.[1], Kosenkov A.V., Lokteva V.[2], Aphentyeva A.[2], Agaphonov I.[2], Smolentseva D.[2], Ivanova A.[2] Proensa G.A.[2], Yakovleva E.[2], Kilina A.[2], Azarov A.[2], Koschenko Y.[2], Amisimov M.[2], Ravinsky D.[2], Spirichina L.[2], Smirnov A.[2], Menshinina L.[2], Voronov D.A.[3,4], Krasnova E.D.[5]

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