

AdriBioPro20197-10 AprilInternational Conference:KotorAdriatic Biodiversity ProtectionMontenegro

Book of Abstracts







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International Conference Adriatic Biodiversity Protection AdriBioPro2019 7–10 April 2019, Kotor, Montenegro

Book of Abstracts

Institute of Marine Biology, University of Montenegro

Kotor, Montenegro 2019

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THE CONFERENCE

The 2019 International Conference: Adriatic Biodiversity Protection – AdriBioPro2019 provided updated scientific, decision-making and policy-relevant information across a broad array of different Adriatic issues, marine biology and related scientific disciplines. Emphasis will be on how state-of- the-art research on Adriatic biodiversity protection, conservation of coastal and marine areas and sustainable use of marine resources can contribute to policy- and decision-making. Particular focus was put on the development opportunities which marine biotechnology can offer in the Adriatic. Organized to include plenary and breakout sessions covering both disciplinary and interdisciplinary perspectives, Conference results will be used in shaping future marine science priorities and policy in Montenegro and other Adriatic countries.

Background

The Institute of Marine Biology of the University of Montenegro is granted by the Norwegian Ministry of Foreign Affairs to implement a project "Marine Biodiversity Conservation Center "Boka Aquarium" (MonteAqua)" in cooperation with the Center for Fisheries and Biodiversity Conservation of Inland Waters, Institute of Biology and Ecology, Faculty of Science, University of Kragujevac. The International conference "Adriatic Biodiversity Protection" is final project event, dedicated to gather all relevant national and regional stakeholders and to secure closer regional cooperation in the Adriatic Sea region.

According the UNEP, the Mediterranean Sea is subject to tremendous pressure from multiple human uses and climate change. Recent research results indicate the cumulative impacts of human activities in the Mediterranean, ranking it as a hotspot of marine biodiversity, and one of the most heavily impacted marine regions worldwide. One of the most intensely used and severely degraded regions of the Mediterranean is the Adriatic Sea. It implies a necessity of developing appropriate and effective policy-responses including adaptation actions, enhancement of resilience and implementation of mitigation activities. The Conference will address alterations of Mediterranean ecosystems, with particular focus on the Adriatic Sea and its biodiversity and analyse widespread conflict among marine users. By presenting the latest science, the Conference will facilitate, synthesize and summarize the science-policy dialogue.

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Presentation title

Review of allochthonous fish species with the marine origin in Serbian freshwater system

Abstract

During the last decades in the freshwater system in Serbia 27 allochthonous fish species appeared, and they can be divided into two groups. In the first group are representatives of fish fauna which are originally from Asia and they are intentionally introduced into open waters and aquaculture in Serbia, while the second group represent the migrants spreading their range from the Black Sea into freshwater systems. Some of these species already have established populations. Representatives of marine fauna that inhabit freshwater systems in Serbia are: *Syngnathus abaster, Neogobius fluviatilis, Babka gymnotrachelus, Ponticola kessleri, Neogobius melanostomus, Proterorhinus (marmoratus) semilunaris, Gasterosteus aculeatus, Knipowitschia caucasica, Morone morone x Morone saxatilis.* Gobiids extended their geographical distribution outside their native range and expanded their area of distribution in throughout whole Danube River Basin, while for the other specimens there are no literature data about established populations.