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上智大学 理工学部 物質生命理工学科 主催
理工学部・理工学振興会 共催



The importance of within-species biodiversity in management of an Ocean under change

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場所：4-495A

The global biodiversity crisis has now been internationally recognized to have fundamental consequences for the future of our societies, and recent efforts such as the global biodiversity framework adopted at the COP15 in Montreal in 2022 highlight the gravity of the threat. However, not only biodiversity at the species level is under threat, but also within-species genetic biodiversity which provides the foundation for species' abilities to adapt to environmental change. The genetic structuring of species into populations, among which genetic exchange is limited, has fundamental consequences for our efforts to manage natural resources, not least in the marine environment. For example, subdivided populations are more sensitive to overharvesting, and may be adapted to local conditions which could make them either more or less sensitive to projected future environmental change. Thus, management efforts should focus on the population- rather than species- level in most cases. In this presentation, I will provide examples of recent studies of genetic structure in a variety of marine species, and discuss the management implications of this new information.

学外の方の聴講歓迎・申込不要・参加無料

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