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HCG035-P08

Room:Convention Hall

Time:May 22 14:00-16:30

The response to gravity and light in tilapia *Oreochromis niloticus* in closed recirculating fish rearing system

Masato Endo^{1*}

¹Tokyo Univ. Marine Sci. & Tech.

Living organism adapts to their habitat environment and lives depend on it. Fish is especially dependent on environmental water and thrives in it. In artificial closed ecosystem, fish adaptation to gravity and light based on water environment is grasped and the environmental factors are needed to control for sustainable operation of the artificial ecosystem. This presentation introduces the response to gravity and light in tilapia *Oreochromis niloticus* and explains environment control in closed recirculating fish culture system that can be used in artificial closed ecosystem.

Keywords: artificial closed ecosystem, closed recirculating fish culture system, tilapia, gravity, light, rearing water