



University of Cyprus
Department of Biological
Sciences

Postgraduate Seminars

Seminar Series 2018-2019

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“Fish reproduction and aquaculture”

**Wednesday, 24 October 2018, at 17:00
Building CTF 01, Room 108, Panepistimioupoli Campus**

This seminar is open to the public

Global fisheries production has reach it maximum since the 1980s, and today more than 80% of all species are dangerously overexploited. Meanwhile, the world population is increasing rapidly, while seafood consumption is increasing twice as fast since the 1960s! The increased seafood consumption in the last decades has come from aquaculture production (farming of aquatic animals) and currently more seafood is produced by aquaculture than harvested from wild fisheries, and the increasing trend will continue in the future.

Reproduction control is the first step towards commercial production of any organism. Contrary to terrestrial animals that have been domesticated for millennia or centuries, marine fish have been farmed for only a few decades, at best. As a result, there are very few domesticated species today, while the majority are still very similar to their wild counterparts and exhibit some reproductive dysfunctions when reared in captivity. Study of fish reproduction and development of assisted reproduction technologies is also important, since fish constitute >50% of the vertebrate species alive today, and global warming is expected to have significant impact on their reproductive function in the wild.

This seminar will describe the reproductive axis of fish, their dysfunctions in captivity and the hormonal methods that have been developed to control and stimulate their reproductive function in captivity, in order to provide adequate amounts of high quality eggs for commercial aquaculture production.