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Fish growth of warm water fish species in closed aquatic systems: Earthen ponds of Deroua Fisheries Station (Fkih Ben Salah, Morocco)

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The growth of fish in the rearing ponds is affected by the food availability, abiotic factors, stocking density of each species and the interactions between the different species reared in the pond namely predation and competition for food and space. In order to monitor the growth of the warm water fish (largemouth bass, Nil tilapia, silver carp, common carp and grass carp) reared in a polyculture system, a study was carried out in the Deroua Fisheries station (Fkih Ben Salah, Morocco) from June to December 2013 in nineteen

2000 m² earthen ponds. The results showed that the daily growth rates of different species: largemouth bass, Nil tilapia, silver carp, grass carp and common carp are ranging from 0.24 to 4.97 g/day; 1.16 to 4.62 g/day; 2.48 to 23.08 g/day; 3.05 to 23.8 g/day and 7.71 to 30.38 g/day respectively. These rates are highly dependent on stocking density, food availability, water chemical and physical factors quality especially temperature, water transparency and the availability of phytoplankton and marcophytes.

Biography

Anouar Ouizgane has is presently pursuing his PhD degree on biology at the faculty of sciences and techniques, University of Sultan Moulay Slimane, Morocco

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