

عنوان مقاله:

Length-weight relationship of four fish species of the genera Pseudorhombus, Plicofollis and Scarus (Actinopterygii: Paralichthyidae, Ariidae and Scaridae) from the Persian Gulf, Iran

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خلاصه مقاله:

In the present study, the length-weight relationships (LWRs) parameters of ۱۴۸ specimens representing four species, including ۲۰ specimens of *Pseudorhombus javanicus*, ۷۰ *Plicofollis dussumieri*, ۲۸ *Scarus persicus* and ۳۰ *S. fuscopurpureus* collected from the Persian Gulf were estimated. The LWRs equations were found as $W=۰.۶۷ \times L^{۲.۲۳}$ for *P. javanicus*, $W=۰.۰۵ \times L^{۲.۳۸}$ for *P. dussumieri*, $W=۰.۶۲ \times L^{۲.۱۵}$ for *S. persicus* and $W=۰.۲۷ \times L^{۲.۴۱}$ for *S. fuscopurpureus*. The values of *b* ranged from ۲.۱۵ (*S. persicus*) to ۲.۴۱ (*S. fuscopurpureus*), with coefficient of determination (r^2) greater than ۰.۸۵. The present study represents the LWRs parameters for *P. javanicus* from the Persian Gulf, Iran for the first time and provides useful information for marine ecologists, fishery managers, conservation marine fishes, and an online database of FishBase.

کلمات کلیدی:

b parameter, conservation, coefficient of determination, length-weight relationships, Persian Gulf

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