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### **A Study of Some Morphological Changes Associated with Sex during the Reproduction Season for *Tilapia zilli***

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**Abstract:**This study was conducted to reveal some morphological changes associated with sex for males and females of the *Tilapia zilli* in some of the Iraqi provinces for 4 months (from April 2016 to July 2016) according to the several standard and descriptive morphological features which showed the standard body weights and length in the females in comparison with the males. While the appeared coloration is different from the coloration of the body in the non-reproduction season especially in the males. This difference has been represented by a dark red color at the bottom of the head area. The change of eye color for both genders was clear during the reproduction season. So these features have been considered as variable features appear on *Tilapia zilli* during the reproduction season in all of Iraq.

**Key words:**Morphological Changes, *Tilapia Zilli*, Standard features and Descriptive features.

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