

# Abstract

The sharp-tooth cat fish "*Clarias gariepinus*" is one of the most important fish species. Length-weight relationship is represented graphically, a curvilinear shape can be obtained. The average value of condition factor for all samples is 0.67. The average relative condition factor is 1.00. Microscopic examinations were carried out and showed that oocyte passes through successive sex stages of development, which are:

- Oogonia.
- Perinucleolus.
- Yolk vesicle.
- Yolk globular.
- Maturation.
- Spent.

Testis passed through 4 stages:

- Spermatogonia.
- Primary spermatocytes.
- Secondary spermatocytes.
- Spermatids and Spermatozoa.

Average gonadosomatic index for males was 5.17, and for females was 16.711.

The length at first maturity was 26.5 cm for males and 27.5 for females. Egg diameter was measured and it was demonstrated that its minimum value was 0.19 in February, while its maximum value was 1.85 in July.

Biochemical composition of muscles and gonads was estimated monthly.

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