



Histological and Histochemical Studies on the Early Developmental Stages of the Egyptian Toad *Bufo regularis* Reuss

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Abstract:

The present study was carried out to investigate the histological and histochemical changes in the liver and skin on different developmental stages of Egyptian toad *Bufo regularis* to be used as a histological key for such species. Our experiment started when tadpoles began to feed. The adapted embryos are divided into 3 large tanks of 200 embryos each, collections of samples started from feeding age every three days. Both histological and histochemical results showed that the general architecture of the different organs was correlated with the state of development, i.e. larval, metamorphic and post-metamorphic. They, therefore, displayed different characteristic features depending on the investigated developmental stage starting from the larval stage (stage 44) and ending with the post-metamorphic stage 66.

Keywords:

Anura, Metamorphosis, Histology, *Bufo regularis*, Apoptosis

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