

Physiochemical and Histological Study on the Effect of the Hibernation on the Liver of *Uromastyx acanthinura* (Bell, 1825)

Authors : Youssef. K. A. Abdalhafid, Ezaldin A. M. Mohammed, Masoud M. M. Zatout

Abstract : This study described the changes in the liver of *Uromastyx acanthinura* (Bell, 1825) males and females during hibernation and activity seasons. The results revealed that, hibernation causes increase fatty liver and pigment cells with abundant damage, comparing with nearly normal structure and less fatty liver after the hibernation with almost normal pattern. Genomic DNA showed apparent separation during hibernation. Also, caspase 3 and caspase 7 activity reached a high level in the liver tissue during hibernation comparing with activity season.

Keywords : histological liver, DNA fragmentation, hibernation, caspase 3 and caspase 7

Conference Title : ICEPR 2015 : International Conference on Environmental Pollution and Remediation

Conference Location : Istanbul, Türkiye

Conference Dates : January 26-27, 2015