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Research Details :

Research Title : *The effect of Nickel Sulphate on the regeneration of hind limbs of Bufo Orientalis Tadpoles*

تأثيرات كبريتات النيكل على تجدد الأطراف الخلفية للأطوار اليرقية في الضفدعة الشرقية (بوفو أورينتالس)

Descriptipn : The tadpoles of Bufo orientalis used in this study were collected from a pond in Al-ahsaba, south of Kingdom of Saudi Arabia, and from these results it was concluded that, the concentration 75×10^{-6} inhibit the regeneration at all intervals used in this study. While the other two concentration 25×10^{-6} and 50×10^{-6} showed a little growth and differentiation of blastema at intervals 5:30 days. The amputated shank lost the capability of regeneration post treatment with 75×10^{-6} nickel sulphet. The ossification centers begin to appear after 15: 20 day. The pmm (foot plate) lost the capability after 30 days. A gradual regeneratiol} appears at intervals 5,10,15,20,30 days post treatment. The specimen post amputated thigh lost the capability of regeneration in different treated concentration at different intervals.

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