



## EFFECTS OF PUNICALAGIN ON SOME PRODUCTIVE AND REPRODUCTIVE TRAITS IN VIRGIN RABBIT DOES

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### Abstract

Reactive oxygen species (ROS) is collective term both oxygen radical, such as superoxide ( $O_2 \cdot^-$ ), hydroxyl ( $OH \cdot$ ), peroxy ( $RO_2 \cdot$ ), and hydroperoxyl ( $HO_2 \cdot$ ), and certain non-radical oxidizing agents, such as hydrogen peroxide ( $H_2O_2$ ), hypochlorous acid ( $HOCl$ ), and ozone ( $O_3$ ), that can be convert easily to radical. The importance of antioxidants is shown here punicalagin. Punicalagin is prevent harmful effect of (ROS) in all cell specially gonadal cell. So, the aim of study was to investigate effects of punicalagin (PL) on maternal live body weight (MLBW), number of services/conception (NS), conception rate (CR), gestation length (GL), kindling rate (KR), total litter size (TLS), live litter size (LLS), kit weight (KW), progesterone (P4) and estradiol-17 (E2) concentrations at 1st and 2nd pregnancy of young does. A total of 28 healthy virgin does (6 months old) were divided into 2 equal groups. Group I, each doe was injected IM with 100 ug PL twice/week pre-mating and one time 3 days post-mating. Group II, each doe was injected IM with sterilized water (control). Blood samples were taken at pre-mating, mating, post-mating, throughout pregnancy and immediately post-kindling for assaying P4 and E2. All does were naturally mated with fertile bucks.



### Biography:

Nada A. El-Shahaw has completed his D.V.M. at the age of 25 years from Islamic Azad University and Ph.D. studies from Shahid Bahonar University School of Medicine. He is the board-certified resident of veterinary surgery in referral hospital of Shahid Bahonar University of Kerman, Iran and is performing his thesis workouts. He has published more than 10 papers in reputed journals and has been serving as an editorial board member of repute.

### Publications:

1. Evaluating the Mechanical Properties of Admixed Blended Cement Pastes and Estimating its Kinetics of Hydration by Different Techniques
2. Genetic Diversity Using Random Amplified Polymorphic DNA (RAPD) Analysis for *Aspergillus niger* isolates
3. Au-Ag-Cu nanoparticles alloys showed antifungal activity against the antibiotics-resistant *Candida albicans*
4. Induce mutations for Bavistin resistance in *Trichoderma harzianum* by UV-irradiation
5. Biliary Sludge. Analysis of a Clinical Case

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