## كلية العلوم College of Sciences

جامعة الملك عبدالعزيز King Abdulaziz University



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## Research Details :

## Research Title : <u>Urogential systems in some Squamates at the Western Region of</u> Saudi Arabia

Descriptipn

Interpret Int

is lined by columnar and short columnar cells. During the breeding season, the tenninal segments and the collecting tubules in the male kidney form the sexual segment. The nephric unit in Chamaeleo consists of the same segments as in BunoQus, but the Malpighian bodies are larger, more numerous and of different shapes. The proximal and distal convoluted segments are longer than those in BunoQus .More over, the lining epithelium of the different parts of the tubule is slightly shorter and thinner. The tenninal segments in the male fOnD the sexual segment. The" nephric units in the kindy of PsammoQhis are much more numerous and longer than the corrosponding ones in BunoQus and Chamaeleo .The tenninal segment fonDS the sexual segment. The testis in BunoQus is surrounded by a tunic albuginea The seminiferous tubules are separated by groups of large interstitial cells. The seminiferous tubule is lined--with spennatogenic cells arranged in an irregular pattern. The Sertoli cells are observed. The tunic albuginea of the testis of Chamaeleo is thinner than that of BunoQus and the seminiferous tubules are more crowded. The spennatogenic cells lining the seminiferous tubules are arranged ina regular pattern. Sertoli cells are also observed. In general the spennatogenic cells are smaller than in BunoQus. The seminiferous tubules in the testis of Ps~mmoQhis are larger than those in the testis of both BunoQus and Chamaeleo. The germinal cells are arranged in a regular pattern as in the latter. The interstitial cells are more numerous than in both BunoQus and Chamaeleo. - The Ovary of BunoQus is invested by a thin peritoneal layer followed inwards by a thin layer of fibrous connective tissue and a genninal epithelium respectively. There are two genninal beds. The