

Fig 1 : Probit Regression Lines of the plant extracts mixed with artificial diet on susceptibility of *H. littoralis* 1st instars nymphs . 1, *E. rostrata* , 2, *C. tribinlitolia* , 3, *D. viscosa* , 4, *E. cotinifolia* , 5, *E. pulcherrima* .

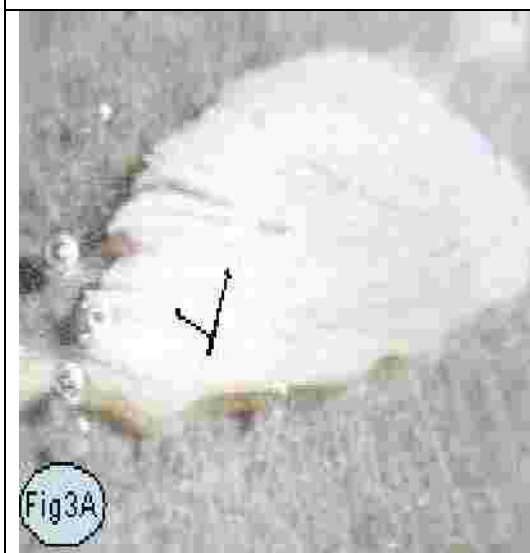
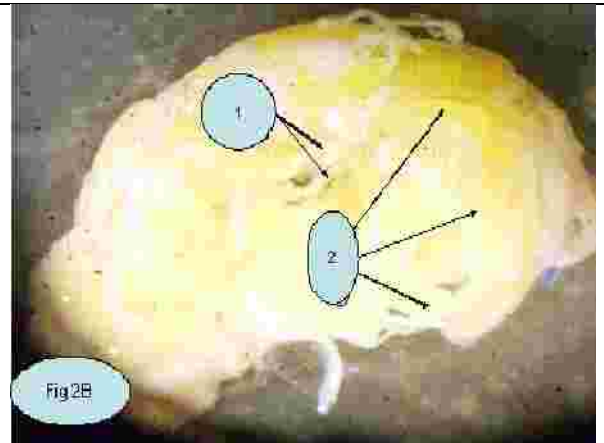
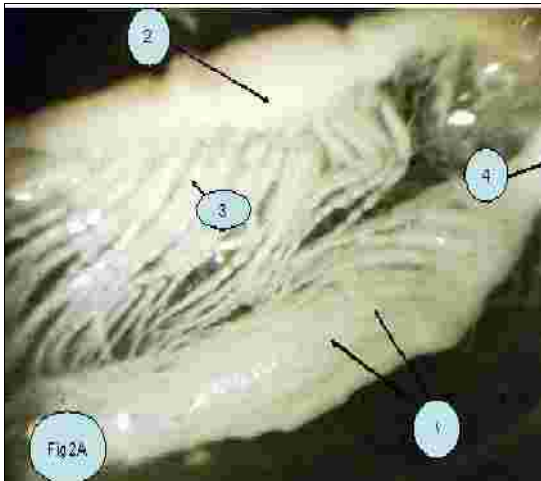
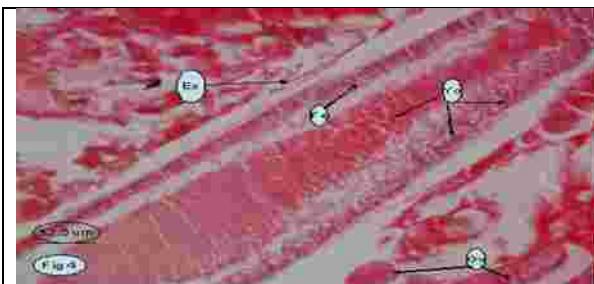


Fig 2 A : Pairs of normal ovary of *H.littoralis* female , 1.ovariole, 2.pedicel,3. oocyte, 4. lateral oviduct.

Fig 2 B: Pairs of treated ovary of *H.littoralis* female, 1. Undifferentiated shape of ovarioles , damage to the ovarian structure , disorganization and atrophied of vitellarium zone, 2. swelling and clumping oocytes , shrinkage in ovary sheath and appearance of yellow color of oocytes .

Fig 3A : Normal whitish testis showing large number of slender tubules called follicles marked with black arrows .

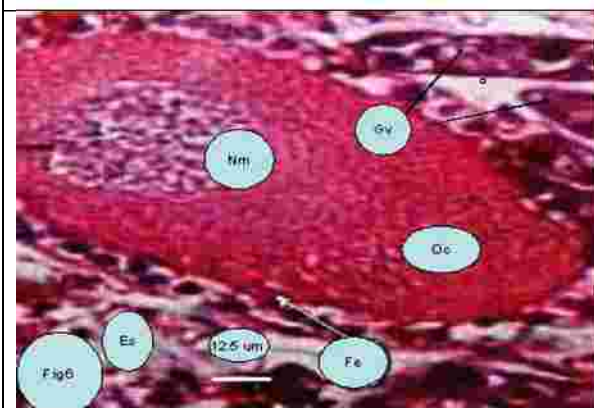
Fig 3B : Treated testis with yellow color , degenerated follicles with arrow , 1 – Hyper atrophy and damaged testicular tubule , 2 – rupture in testicular sheath .



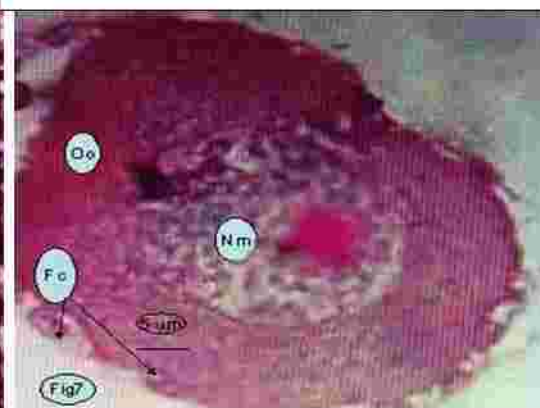
L . S . Through normal ovariole in Germarium region .



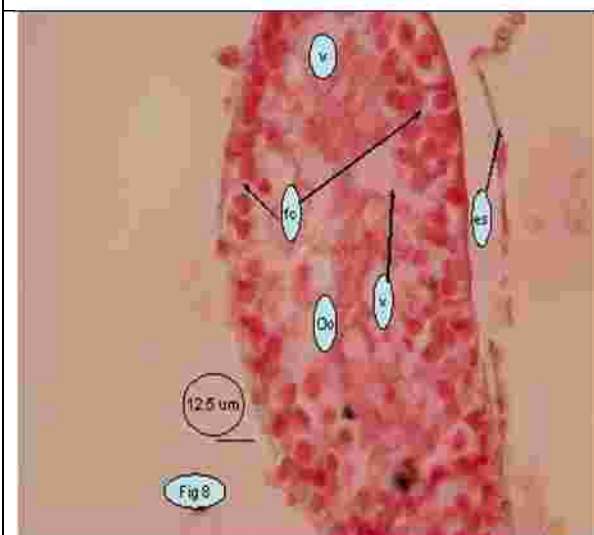
L.S. Through normal ovariole in vitellarium region showing various stages of Oocytes .



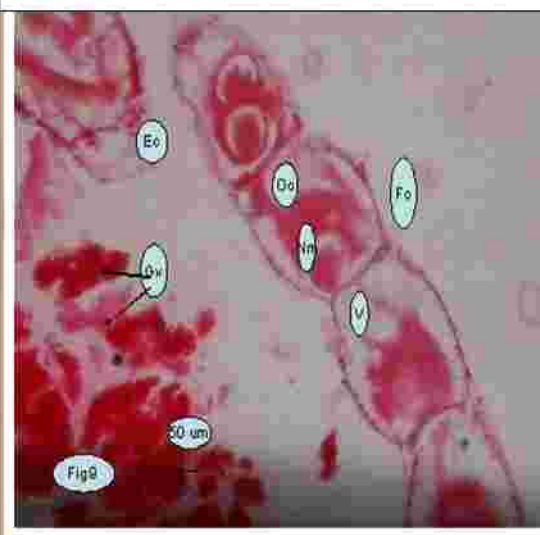
Magnified Normal Oocytes



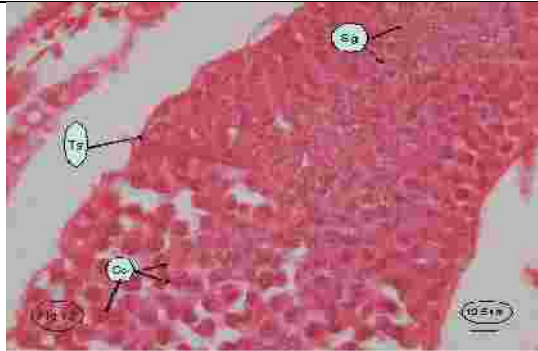
Magnified Normal Oocytes



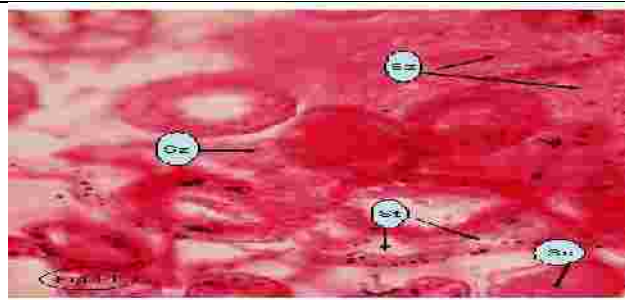
L . S . Through treated ovariole in Germarium region , showing atrophied follicular cells , clumping of young Oocyte and appearance of different vacuoles .



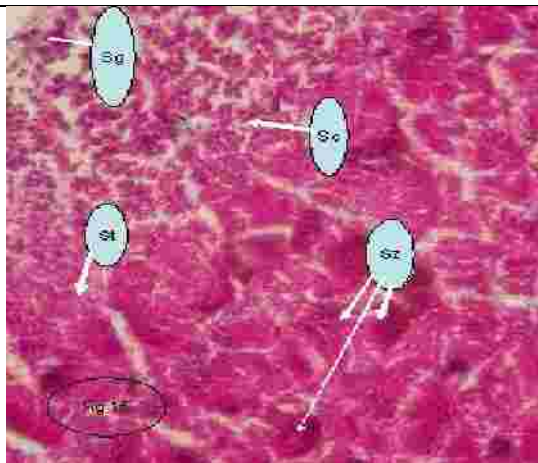
L .S . Through treated ovariole in vitellarium region , showing disappearance of nucleus in some of Oocytes , many vacuolated area was found .



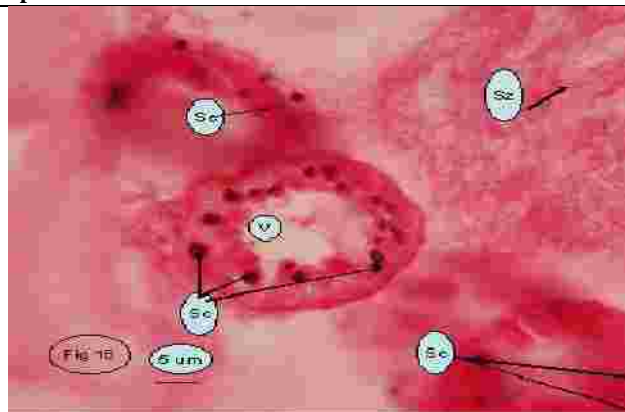
T.S. Through normal testis in Germarium and growth area , showing sprmatogonia and spermatocytes .



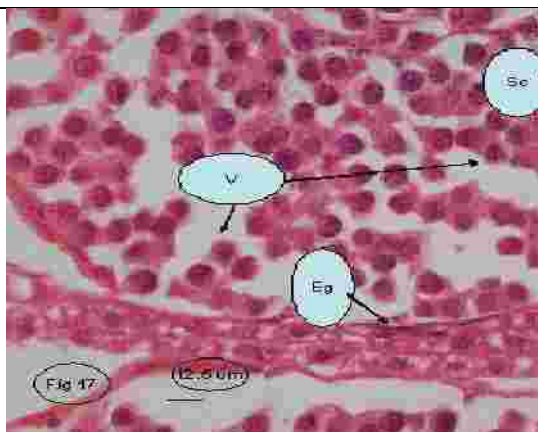
T.S. Through portion of normal testis in growth and transformation zone , showing spermatozoa and spermatids .



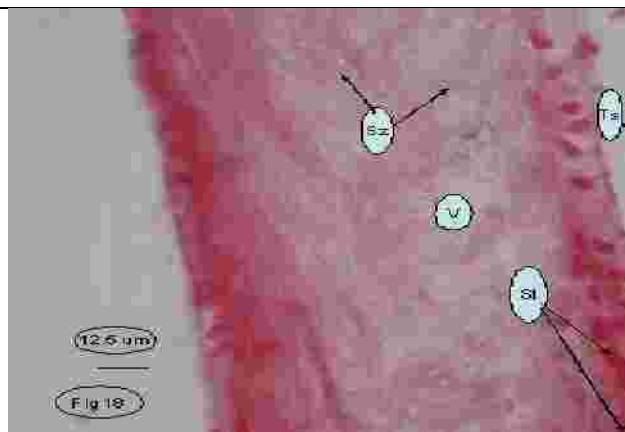
T . S . In the normal testis showing different zones , Germarium , Growth and maturation , Transformation .



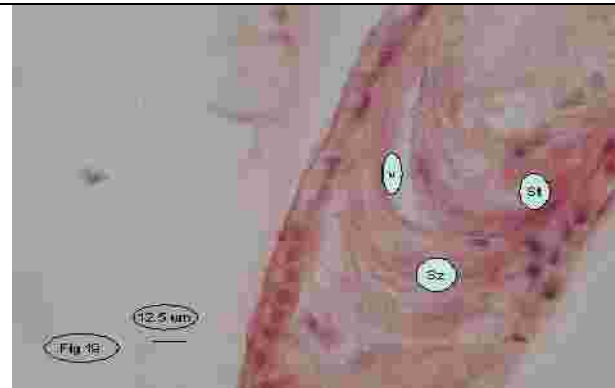
T.S. In portion of treated testis spermatocytes cells showed clumping in chromatin material



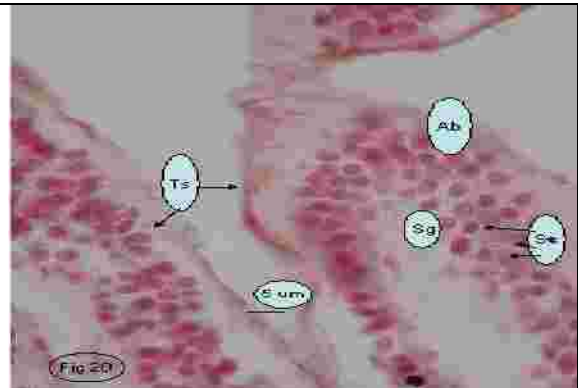
T.S. In growth and maturation zone showing disintegration in cells cytoplasm , reduction division and disruption in spermatocytes , vacuoles formation leaving many spaces , some elongate cells were observed .



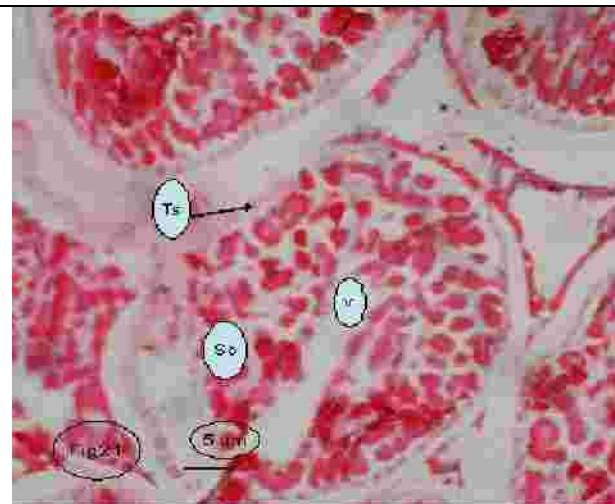
L . S . In transformation zone of treated testis , spermatozoa were hypertrophied and elongated



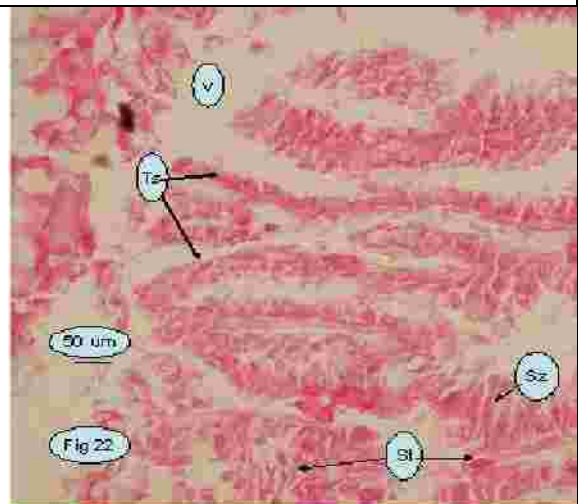
L . S . In transformation zone of treated testis , clumping and irregular shape of spermatozoa , vacuoles formation .



T . S . In transformation zone of treated testis , hyperplasia and clumping of spermatocytes , picnotic cells were observed .



T . S . In transformation zone of treated testis , clumping of spermatids and spermatozoa , many vacuoles appeared .



L . S . In treated testis , disruption in all zones of testicular tubule .

Note the abbreviation : (Fc) Follicular cells .- Spermatogonia (Sg) , Spermatocytes (Testicular wall (Ts) , (Spermatozoa (Sz) , Spermatids (St) . Elongate cells (Eg) , Disintegration cytoplasm (Dc) , Hyperplasia (Ab) .