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Environmental Impact of Variations in the Oocytes Development of Freshwater Bivavlve, Lammelidens Marginalis During Different Seasons from Kurla Dam, Mahad Taluka (Raigad M.S.).

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Abstract: *Bivalve was found in Indian waters the reproductive cycle and gonad development of the freshwater bivalve Lammelidens Marginalis was studied over a period of 24 months (January 2018- to December 2018). At the regular reproduction molluscs in india. Especially in Maharashtra state, in diocious Lammelidens Marginalis the gonads are common structure in other species of phylum molluscs. Those species are collected from kurla dam, Tal- Mahad Dist –Raigad. Due to the highest oocyte diameter are shown by the winter season and then after slightly significant decrease on diameter in monsoon and then lowest diameter are observed in summer season. As per the variations of Previtelogenic and Vitellogenic oocytes in different seasons. Such as Winter season on Prewinter the previtellogenic oocytes diameter 57.227±3.136 to 63.486±5.170&Vitellogenicoocytes diameter 60.963±2.136 to 63.486±5.170and Postwinter on a Previtellogenic oocytes diameter 61.418±3.259 to 75.223±6.480 and Vitelogenic oocytes diameter 115.428±5.524 to 125.568±4.490 then Monsoon season on the Premonsoon Previtellogenic oocytes diameter 47.117± 2.136 to 33.386±4.170&Vitellogenicoocytes diameter 51.763 ± 2.155 to 58.456±5.570 and Postmonsoon Previtellogenic oocytes diameter 51.412±3.249 to 655.217±5.458, Vitelogenic oocytes diameter 98.428±4.524 to 105.468±3.470 and Summer Presummer season, thatsPrevitellogenic oocytes diameter 44.325±2.236 to 50.465±5.160 & Vitellogenicoocytes diameter 48.763±2.178to51.445±4.265 and Postsummer Previtellogenic oocytes diameter 47.318±3.563to63.183±5.4520 and Vitelogenic oocytes diameter 92.428±5.248 to90.568±3.458 diameters of oocytes are observed. (All values are in µm.).*

Keywords: Lammelidens Marginalis**,** Oocytes, Variations of seasons

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