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Micro-Evolutionary Dynamics in Reddis of Andhra Pradesh

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ABSTRACT An integrated approach of understanding micro-evolutionary dynamics of a population through breeding size, effective size, migration and drift and opportunity of selection, is considered in the present paper. The data for the present study have drawn on pregnancy outcome of 585 women from the four subgroups of larger Reddis population of Andhra Pradesh. The breeding size of the pooled population is lower (2061) than the effective size (2822). This is mainly due to smaller mean number of children (2.33) for the couples and lower values of variance (0.91). The selection intensity (I) in the pooled Reddi population is again lower, that is, (0.4128) and selection is operating through index of fertility (0.2748). The demographic situation of Reddis for these chief aspects of micro-evolutionary dynamics of its population structure indicated that the Reddis appear to be modern and technologically developed population and proves to be the same even in its comparison with contemporary population.