

Genetic Load among Four Endogamous Populations of Coastal Andhra Pradesh

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ABSTRACT The present paper reports the inbreeding effects on the reproductive wastage in terms of genetic load among four endogamous populations, namely Kapu, Settibalija, Paki and Yerukala living in Coastal Andhra Pradesh. Estimates of genetic load were calculated from the data on the reproductive histories of randomly selected 400 couples belonged to above populations. The regression coefficient 'B' is positive in majority of cases and indicated a positive association between inbreeding and mortality. The genetic load is predominantly segregational in majority of cases. However, the load due to postnatal mortality among the Kapu is mutational. Relatively lower levels of coefficient 'A' revealed the changing public health status of these populations.