

Role of Marital Migration in the Expression of Inbreeding Load in Different Castes of Andhra Pradesh

V.V. Rao and J.S. Murty

Department of Genetics, Osmania University, Hyderabad 500 007, Andhra Pradesh

KEYWORDS Migration. Marital Distance. Inbreeding. Mortality Load. Populations

ABSTRACT Role of marital migration influencing inbreeding local has been examined. A positive interaction between marital distance and inbreeding load has been observed. The Scheduled Caste groups (Madiga, Mala) with low marital migration showed low inbreeding load or absence of it, whereas the forward caste groups (Reddy, Vysya) with high marital migration exhibited high inbreeding load. This may possibly be due to the introduction of new genes from distant populations into a local population where they are maladapted.