A MODEL OF TWO MUTUALLY INTERACTING SPECIES WITH LIMITED RESOURCES AND HARVESTING OF BOTH THE SPECIES AT A CONSTANT RATE

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Abstract

The present paper deals with a two species model under mutualism incorporating limited resources for both the species while they are harvested at a constant rate. The model is characterized by a coupled system of first order non-linear ordinary differential equations. Only one equilibrium point is shown to be prevailed. We described the stability criteria and made some observations.