SPR_ SODE MODEL FOR DENGUE FEVER

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ABSTRACT

Millions of people are travelling from country to country every day. The major threat is disease spreading that causes greater health hazards [9]. Dengue fever is one of the emerging threats now a days throughout the world spread by mosquitoes. The mosquito, "Aedes Ageypti" performs the work of a carrier (i.e) the medium for transmitting, for the spread of Dengue fever (DF).

In this paper, Stochastic Ordinary differential equation model (SODE) for DF is proposed for the spread of DF. One can understand the underlying processes and develop effective prevention strategies

KEYWORDS: Dengue Fever, Death, Infection, ODE, Probability, Recovery, Susceptible