

1067-Z1-2428

**Smita Pati\*** (spatimath@yahoo.com), Dept of Appl Math, Birla Institute of Technology, Mesra, Ranchi, 835215, India. *Periodic solutions of Some Ecological Models with Strong Allee Effects.*

In this article, we have obtained sufficient conditions for the existence of two positive periodic solutions for models representing dynamics of a renewable resource which is subjected to strong Allee effect. We have used Leggett-Williams multiple fixed point theorem to prove our results. (Received September 23, 2010)