

1113-39-165

Eddy A Kwessi* (ekwess@trinity.edu), 1 Trinity Place, San Antonio, TX 78212, **Laila Assas**, Saudi Arabia, **Saber Elaydi**, 1 Trinity Place, San Antonio, TX 78212, **Brian Dennis**, Moscow, and **George Livadiotis**, San Antonio, TX. *Stochastic Modified Beverton-Holt model with Allee effect II: the Cushing-Henson Conjecture.*

We consider a single-species stochastic modified Beverton- Holt model with Allee effects caused by predator saturation. We prove that, under some conditions on the parameters, there exists a Markov operator that is asymptotically stable. A stochastic version of the Cushing-Henson conjecture on attenuation and resonance is investigated. (Received August 20, 2015)