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Asymptotic behavior of a stochastic delayed chemostat model with nonmonotone uptake function

Shulin Sun, Xiaofeng Zhang

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Highlights:

1. A new stochastic delay chemostat model is proposed and investigated.
2. A unique global positive solution of the stochastic system is obtained.
3. The asymptotic behavior of solutions of stochastic system are studied.
4. Computer simulations illustrate the main results and the bistability.

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