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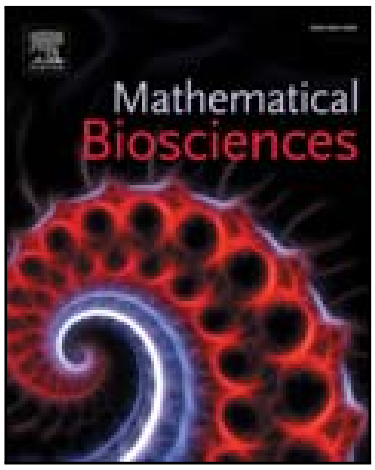

Dynamics of Cholera Epidemics with Impulsive Vaccination and Disinfection

Omprakash Singh Sisodiya, O.P. Misra, Joydip Dhar

PII: S0025-5564(17)30426-1
DOI: 10.1016/j.mbs.2018.02.001
Reference: MBS 8026

To appear in: *Mathematical Biosciences*

Received date: 6 August 2017
Revised date: 12 November 2017
Accepted date: 5 February 2018

Please cite this article as: Omprakash Singh Sisodiya, O.P. Misra, Joydip Dhar, Dynamics of Cholera Epidemics with Impulsive Vaccination and Disinfection, *Mathematical Biosciences* (2018), doi: 10.1016/j.mbs.2018.02.001

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Highlights

- Waterborne diseases have a tremendous influence on human life
- A mathematical model for the cholera disease dynamics is proposed
- A delayed SIRB epidemic model with impulsive vaccination and disinfection
- Moreover sanitation to control the cholera disease
- Obtained a sufficient condition for the permanence of the epidemic
- Stability of the endemic periodic solution are investigated analytically and numerically

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