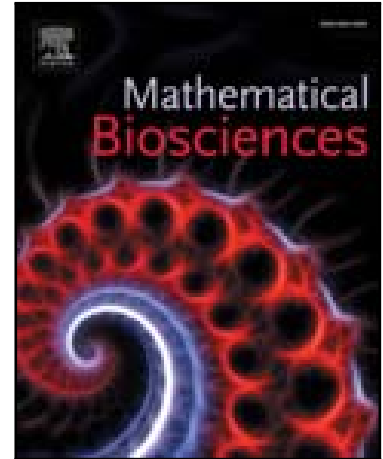


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Optimal Control Strategies for Dengue Transmission in Pakistan

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Highlights

- A mathematical model of dengue outbreak in Peshawar, Pakistan is considered.
- Model formulations and its basic properties are presented.
- Sensitivity analysis and optimal control problem is formulated and discussed
- Control strategies are presented for disease elimination.

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