Discrete Dynamics in Nature and Society

Special Issue on
Nonlinear Dynamics in Epidemic Systems

CALL FOR PAPERS

Epidemic spreading has been attracting considerable attention by epidemiologists or mathematicians as there are recurring threats posed by newly emerging and high profile infectious diseases, such as SARS, H1N1, Cholera, and H7N9. Epidemic systems are used to predict in populations how diseases transmit between humans or animals and find out the effective control and prevention measures which can guide policy decisions.

This special issue is focused not only on the theoretical results in epidemic systems, but also the analysis of real data or other related issues. The authors are invited to submit original papers and review articles.

Potential topics include, but are not limited to:

- ▶ Epidemic dynamics on complex networks
- ▶ Global dynamics of epidemic systems using differential equations
- ▶ Global dynamics of epidemic systems using difference equations
- ▶ Pattern dynamics of epidemic systems
- ▶ Global dynamics of epidemic systems using PDEs
- ▶ Analysis on epidemic data
- ▶ Statistical methods in epidemic systems
- ▶ Applications in ecosystems

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