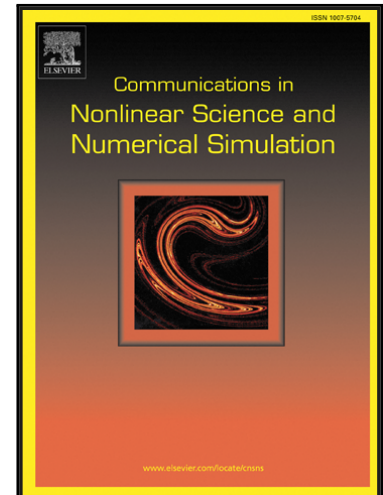


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Impact of species enrichment and fishing mortality in three species food chain models

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Highlights

- Massive amount of nutrient introduction does not cause any extinction in prey-predator-top predator system.
- Massive amount of nutrient supply may cause species extinction in prey-predator-generalist predator system.
- Persistence of oscillations increases in ecosystem as nutrient availability increases.
- Fishing the predator at MSY level is sustainable in prey-predator-generalist predator system.

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