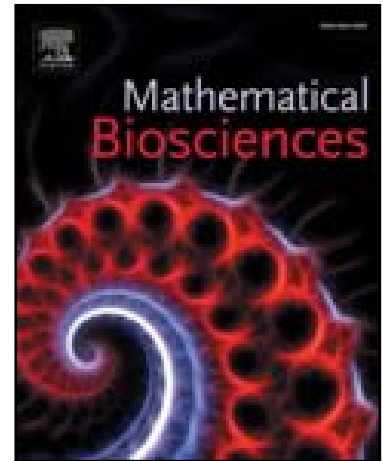


## Accepted Manuscript

Dynamics of an intraguild predation model with an adaptive IGpredator

Xiaoli Wang, Guohong Zhang, Ju Lai

PII: S0025-5564(16)30124-9  
DOI: [10.1016/j.mbs.2018.05.014](https://doi.org/10.1016/j.mbs.2018.05.014)  
Reference: MBS 8084



To appear in: *Mathematical Biosciences*

Received date: 1 September 2016  
Revised date: 27 May 2018  
Accepted date: 29 May 2018

Please cite this article as: Xiaoli Wang, Guohong Zhang, Ju Lai, Dynamics of an intraguild predation model with an adaptive IGpredator, *Mathematical Biosciences* (2018), doi: [10.1016/j.mbs.2018.05.014](https://doi.org/10.1016/j.mbs.2018.05.014)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Highlights

- An intraguild predation model with adaptive IGpredator is proposed and investigated.
- There is still the phenomenon of paradox of enrichment in system with adaptive IGpredator.
- The dynamics of the adaptive system are greatly affected by the adaptive strength of IGpredator.
- The adaptive activity of IGpredator to improve its fitness may lead to extinction of itself.

Download English Version:

<https://daneshyari.com/en/article/8876970>

Download Persian Version:

<https://daneshyari.com/article/8876970>

[Daneshyari.com](https://daneshyari.com)