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副教授

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教育背景

2015.09–2016.08, 加拿大约克大学, 联合培养
2011.09–2017.06, 东北师范大学, 理学博士
2007.09–2011.06, 东北师范大学, 理学学士

研究领域

生物数学, 常微分方程

代表性成果

- (1) **Ming Chen**, Hao Wang*. Dynamics of a discrete-time stoichiometric optimal foraging model, *Discrete and Continuous Dynamical Systems-B*, 26 (2021)1: 107-120. (SCI)
- (2) **Ming Chen**, Meng Fan*, Xin Wang. Effect of temperature on adaptive evolution of phytoplankton cell size, *Journal of Applied Analysis and Computation*, 10 (2020) 6: 2644-2658. (SCI)
- (3) Lale Asik*, **Ming Chen**, Angela Peace. The effects of excess food nutrient content on a tritrophic food chain model in the aquatic ecosystem, *Journal of Theoretical Biology*, 491 (2020) 110183. (SCI)
- (4) Xinmiao Rong, Liu Yang, Huidi Chu, Linhua Zhou, **Ming Chen**, Meng Fan*, Huaiping Zhu, Effect of healthcare staff on the prevention and control of COVID-19, *Acta Mathematicae Applicatae Sinica*, 43 (2020) 2: 335-349.
- (5) **Ming Chen***, Lale Asik, Angela Peace. Stoichiometric knife-edge model on discrete time scale, *Advances in Difference Equations*, 531(2019)1-16. (SCI)
- (6) **Ming Chen**, Meng Fan*, Congbo Xie, Angela Peace, Hao Wang, Stoichiometric food chain model on discrete time scale, *Mathematical Biosciences and Engineering*, 16 (2018) 1: 101-118. (SCI)

(7) Jimin Zhang, Liu Yang, Meng Fan*, **Ming Chen**, Nonlinear perturbations for linear nonautonomous impulsive differential equations and nonuniform (h, k, μ, ν) -dichotomy, *Journal of Applied Analysis & Computation*, 8 (2018) 1085-1107. (SCI)

(8) Da Song, Meng Fan, **Ming Chen**, Hao Wang*, Dynamics of a periodic stoichiometric model with application in predicting and controlling algal bloom in Bohai Sea off China, *Mathematical Biosciences and Engineering*, 16 (2018) 1:119-138. (SCI)

(9) **Ming Chen**, Meng Fan*, Xing Yuan, Huaiping Zhu, Effect of seasonal changing temperature on the growth of phytoplankton, *Mathematical Biosciences and Engineering*, 14 (2017) 1091-1117. (SCI)

(10) **Ming Chen**, Meng Fan*, Yang Kuang, Global dynamics in a stoichiometric food chain model with two limiting nutrients, *Mathematical Biosciences*, 289 (2017) 9-19. (SCI)

(11) **Ming Chen**, Meng Fan*, Rui Liu, Xiaoyu Wang, Xing Yuan, Huaiping Zhu, The dynamics of temperature and light on the growth of phytoplankton, *Journal of Theoretical Biology*, 385 (2015) 8-19. (SCI)

(12) Congbo Xie, Meng Fan*, Xin Wang, **Ming Chen**, Dynamic model for life history of scyphozoa, *Plos One*, 10 (2015) 1-14. (SCI)

代表性项目

(1) 国家自然科学基金青年科学基金项目，11801052，非生物因子对外来浮游植物入侵影响的模型研究，2019.01-2021.12，主持。

(2) 辽宁省自然科学基金计划指导项目，2019-ZD-1056，船舶压载水排放对浮游生物入侵影响的建模与分析，2019.10-2021.10，主持。

