

# Curriculum Vitae

## Personal Information

Name: Zhi-Xian Yu /余志先  
Birth: November 21th, 1982 in Jiangxi Province, China  
Address: Department of Mathematics, University of Shanghai for Technology and Science,  
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## Education

- ✧ Beijing Normal University, Beijing, Ph.D. in School of Mathematics, 2007.9-2010.6  
(Thesis advisor: Professor Rong Yuan).
- ✧ Beijing Normal University, Beijing, M.A. in School of Mathematics, 2004.9-2007.6  
(Thesis advisor: Professor Rong Yuan).
- ✧ Shangrao Normal University, Shangrao, B.A. in School of Mathematics, 2000.9-2004.7

## Occupation

- ✧ Associate Professor (2013/06~), University of Shanghai for Technology and Science, Shanghai.
- ✧ Assistant Professor (2010/11~2013/06), University of Shanghai for Technology and Science, Shanghai.

## International Visiting

- ✧ Universit éVictor Segalen Bordeaux 2, France, September 1-November 30, 2009.

## Research Interest

- ✧ Dynamical Systems
- ✧ Differential Equations(ODE,FDE,PDE).
- ✧ Biological Mathematics

## Academic Services

- ✧ **Reviewer** of the AMS [Mathematical Reviews](#) AMERICAN MATHEMATICAL SOCIETY **MathSciNet** Mathematical Reviews on the Web (2012~).
- ✧ Regular reviewer for some academic journals, for example:  
Nonlinear Anal.RWA, Chaos,Solitons & Fractals, Abstract and Applied Analysis,  
Int. Journal of Biomathematics, Journal of Applied Mathematics,  
Applications and Applied Mathematics: An International Journal (AAM).

## Invited Talks

1. [Workshop on Traveling Waves and Spreading Speeds in Evolution Systems](#) (June 12-14, 2010, University of Science and Technology of China, Hefei, China)
2. "Global or/and Blowup Solutions for Nonlinear Evolution Equations and Their Applications" at the [9th AIMS international conference on Dynamical Systems, Differential Equations and Applications](#), (July 1-5, 2012, Hyatt Regency Grand Cypress Hotel, Orlando, Florida, USA)

## Publications

- [20] **Zhixian Yu\***, Rong Yuan, Existence, Asymptotics and Uniqueness of traveling waves for nonlocal diffusion systems with delayed nonlocal response, *Taiwanese Journal of Mathematics*, 17(2013): 2163-2190. (SCI)
- [19] **Zhixian Yu\***, Weiguo Zhang, Xiaoming Wang, Spreading speeds and travelling waves for non-monotone time-delayed 2D lattice systems, *Math. Comp. Modelling*, 58 (2013) 1510–1521. (SCI)
- [18] **Zhixian Yu\***, Ming Mei, Asymptotics and Uniqueness of Travelling Waves for Non-Monotone Delayed Systems on 2D Lattices, *Canadian Math. Bulletin*, 56 (2013) : 659–672. (SCI)
- [17] **Zhixian Yu\***, Ziheng Zhang, Jing Xia, Monotone traveling waves of a population model with non-monotone terms, *Appl. Math. Comp.*, 219 (2013): 7973-7981. (SCI)
- [16] **Zhixian Yu\***, Rong Yuan, Traveling waves of a nonlocal dispersal delayed age-structured population model, *Japan J. Industr. Appl. Math.*, 30 (2013) 165-184. (SCI)
- [15] Jing Xia, **Zhixian Yu\***, Rong Yuan, Stability and Hopf bifurcation in a symmetrical Lotka-Volterra predator-prey system with delays, *Electronic Journal of Differential Equations*, 2013(2013), 1-16. (SCI)
- [14] **Zhixian Yu\***, Rong Yuan, Existence and asymptotics of traveling waves for nonlocal diffusion systems, *Chaos, Solitons & Fractals*, 45 (2012): 1361-1367. (SCI)
- [13] **Zhixian Yu\***, Uniqueness of critical traveling wave for delayed lattice equation, *Proc. Amer. Math. Soc.*, 140 (2012): 3853-3859.. (SCI)
- [12] **Zhixian Yu\***, Rong Yuan, Properties of traveling waves for integrodifference equations with nonmonotone growth functions, *Z. Angew. Math. Phys.*, 63 (2012): 249–259. (SCI)
- [11] 夏静、余志先、袁荣, 一类具有非局部扩散的时滞 Lotka-Volterra 竞争模型的行波解, 应用数学学报, 34 (2011): 1082-1093.
- [10] **Zhixian Yu\***, Rong Yuan, Cheng-Hsiung Hsu, Qin Jiang, Traveling waves for nonlinear cellular neural networks with distributed delays. *J. Differential Equations*, 251 (2011): 630-650. (SCI)
- [9] **Zhixian Yu\***, Rong Yuan, Traveling waves of delayed reaction diffusion systems with applications, *Nonlinear Analysis: RWA*, 12(2011): 2475-2488. (SCI)
- [8] Jing Xia, **Zhixian Yu\***, Traveling wave solutions in temporally discrete reaction-diffusion systems with delays, *Z. Angew. Math. Mech.*, 91 (2011): 809-823. (SCI)
- [7] **Zhixian Yu\***, Rong Yuan, Traveling wave solutions in nonlocal convolution diffusive competitive cooperative systems, *IMA J. Appl. Math.*, 76(2011) : 493-513. (SCI)
- [6] Linhong Yao, **Zhixian Yu**, Rong Yuan, Spreading speed and traveling waves for a nonmonotone reaction - diffusion model with distributed delay and nonlocal effect, *Applied Mathematical Modelling*, 35 (2011) 2916-2929. (SCI)
- [5] **Zhixian Yu\***, Rong Yuan, Traveling waves for Lotka-Volterra competition system with diffusion, *Math. Comp. Modelling*, 53(2011) 1035-1043. (SCI)
- [4] **Zhixian Yu\***, Rong Yuan, Traveling wave fronts in reaction-diffusion systems with spatio-temporal delay and applications, *Discrete and Continuous Dynamical Systems - Series B*, 13 (2010): 709-728. (SCI)
- [3] **Zhixian Yu\***, Rong Yuan, Traveling waves in the lattice epidemic model, *Electronic Journal of Differential Equations*, 2010 (2010): 1-12. (SCI)
- [2] Qin Jiang, **Zhixian Yu\***, Oscillation criteria for nonlinear delay differential equation, *Int. J. Evol. Equ.*, 4 (2010): 307-320.
- [1] **Zhixian Yu\***, Rong Yuan, Traveling wave solutions in nonlocal reaction-diffusion systems with delays and applications, *ANZIAM Journal*, 51 (2009): 49-66. (SCI)

## Funded Research Projects

- ✧ 2014年1月-2016年12月 主持上海市创新项目《基于几类时滞系统的行波解问题的研究》，项目批准号：14YZ096
- ✧ 2013年1月-2016年12月 参与国家自然科学基金面上项目《噪声影响下具有不确定因素的恒化器动力学研究》（排名第三），项目批准号：11271260. 负责人：原三领.
- ✧ 2012年1月-2014年12月 主持国家自然科学基金青年基金项目《非单调系统的行波解及一些相关问题》，项目批准号：11101282. 负责人：余志先.
- ✧ 2012年1月-2013年12月 主持上海市高校青年教师培养资助计划项目《非单调系统的行波解》，项目批准号：slg11031.