# INTERNATIONAL JOURNAL OF BIOMATHEMATICS

Vol. 7, No. 2 (March 2014)

### CONTENTS

| Stability analysis of <i>n</i> -species Lotka–Volterra almost periodic competition models with grazing rates and diffusions <i>YJ. Zhang and CY. Wang</i>       | 1450011 |
|---|---------|
| Binary sequences-based approach for construction of evolutionary network $R.\ Mathur\ and\ N.\ Adlakha$   | 1450012 |
| Spatial patterns created by cross-diffusion for a three-species food chain model $C.\ Tian,\ Z.\ Ling\ \mathcal{E}\ Z.\ Lin$                                    | 1450013 |
| Simulating optimal vaccination times during cholera outbreaks  C. Modnak, J. Wang and Z. Mukandavire  | 1450014 |
| Peristaltic transport of pseudoplastic fluid in a curved channel with wall properties and slip conditions S. Hina, T. Hayat, M. Mustafa and A. Alsaedi          | 1450015 |
| Global robust stability of complex-valued recurrent neural networks with time-delays and uncertainties  W. Zhang, C. Li and T. Huang                            | 1450016 |
| Exponential synchronization for neural networks with mixed time-varying delays via periodically intermittent control <i>P. Yang and X. Tang</i>                 | 1450017 |
| Geometric approach to the stability analysis of the periodic solution in a semi-continuous dynamic system $Y.\ Tian,\ K.\ Sun\ and\ L.\ Chen$                   | 1450018 |
| Optimal control analysis of hepatitis C virus with acute and chronic stages in the presence of treatment and infected immigrants K. O. Okosun and O. D. Makinde | 1450019 |

# (Continued)

Covered in Science Citation Index Expanded (also known as SciSearch $^{\circledR}$ ), Journal Citation Reports/Science Edition, Biological Abstracts, BIOSIS Previews

ISSN 1793 5245

MCI (P) 080/06/2013

### CONTENTS — (Continued)

| A reliable analysis of oxygen diffusion in a spherical cell with nonlinear oxygen uptake kinetics  R. Rach, AM. Wazwaz and JS. Duan                          | 1450020 |
|--|---------|
| Effects of first-order chemical reactions on the dispersion coefficient associated with laminar flow through the lungs  A. Saini, V. K. Katiyar and Pratibha | 1450021 |
| Functionality indexes assessed through a simple model of muscle activation, fatigue and recovery  L. Fattorini and D. Lacitignola                            | 1450022 |

#### Submission

Manuscripts are accepted for not been published and is Papers should be submitte www.editorialmanager.com/ig author is assumed to have tracharge. The first author of ea

#### **Types of Articles**

IJB accepts research papers presentation of recent results submitted manuscripts, and of

# Preparation of Manuscript

The manuscript must be prep text. Only one side of the p tables, etc. must be included

Abstracts should be les arabic numerals. Each page indicated in the text with su

Figures should be number Likewise, tables should be number figure and table must have a

References should be listext in arabic numerals with should be typed at the enabbreviations for journal nar follows:

- [1] M. Artin, On Azumaya (1969) 532–563.
- [2] C. Gundlach, Critical P 2 (1999), 4. [Online arti lrr-1999-4.
- [3] F. John, Partial Differ (Springer Verlag, 1971)
- [4] E. H. Lieb and W. Th. Schrödinger Hamiltonia Mathematical Physics: New York, 1976), pp. 2
- [5] A. Olver, Symplectic co

http

For more information, pleas