

Network Biology

The Network Biology (ISSN 2220-8879; CODEN NBEICS) is an open access (BOAI definition), peer/open reviewed online journal that considers scientific articles in all different areas of network biology. It is the transactions of the International Society of Network Biology. It dedicates to the latest advances in network biology. The goal of this journal is to keep a record of the state-of-the-art research and promote the research work in these fast moving areas. The topics to be covered by Network Biology include, but are not limited to:

- Theories, algorithms and programs of network analysis
- Innovations and applications of biological networks
- Dynamics, optimization and control of biological networks
- Ecological networks, food webs and natural equilibrium
- Co-evolution, co-extinction, biodiversity conservation
- Metabolic networks, protein-protein interaction networks, biochemical reaction networks, gene networks, transcriptional regulatory networks, cell cycle networks, phylogenetic networks, network motifs
- Physiological networks
- Network regulation of metabolic processes, human diseases and ecological systems
- Social networks, epidemiological networks
- System complexity, self-organized systems, emergence of biological systems, agent-based modeling, individual-based modeling, neural network modeling, and other network-based modeling.
- Big data analytics of biological networks, etc.

We are also interested in short communications that clearly address a specific issue or completely present a new ecological network, food web, or metabolic or gene network, etc.

Authors can submit their works to the email box of this journal, networkbiology@iaees.org and (or) wjzhang@iaees.org. All manuscripts submitted to Network Biology must be previously unpublished and may not be considered for publication elsewhere at any time during review period of this journal.

In addition to free submissions from authors around the world, special issues are also accepted. The organizer of a special issue can collect submissions (yielded from a research project, a research group, etc.) on a specific topic, or submissions of a conference for publication of special issue.

Editorial Office: networkbiology@iaees.org

Publisher: International Academy of Ecology and Environmental Sciences

Address: Unit 3, 6/F., Kam Hon Industrial Building, 8 Wang Kwun Road, Kowloon Bay, Hong Kong

Tel: 00852-2138 6086

Fax: 00852-3069 1955

E-mail: office@iaees.org

Network Biology

ISSN 2220-8879 | CODEN NBEICS

Volume 6, Number 1, 1 March 2016

Articles

A node degree dependent random perturbation method for prediction of missing links in the network

WenJun Zhang 1-11

Centrality measures for immunization of weighted networks

Mohammad Khansari, Amin Kaveh, Zainabohoda Heshmati, et al. 12-27

Investigation of common disease regulatory network for metabolic disorders: A bioinformatics approach

Tasnuba Jesmin, Sajjad Waheed, Abdullah-Al-Emran 28-36

Short Communication

Network chemistry, network toxicology, network informatics, and network behavioristics: A scientific outline

WenJun Zhang 37-39



IAEES

<http://www.iaees.org/>