



### TABLE OF CONTENTS

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●	<b>Description</b>	<b>p.1</b>
●	<b>Audience</b>	<b>p.1</b>
●	<b>Impact Factor</b>	<b>p.1</b>
●	<b>Abstracting and Indexing</b>	<b>p.2</b>
●	<b>Editorial Board</b>	<b>p.2</b>
●	<b>Guide for Authors</b>	<b>p.4</b>



ISSN: 1874-7787

### DESCRIPTION

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The journal publishes papers on all functional and evolutionary aspects of **genes, chromatin, chromosomes** and (meta)**genomes** of **marine** (and freshwater) **organisms**. It deals with new genome-enabled insights into the broader framework of environmental science. Topics within the scope of this journal include:

- Population **genomics** and ecology
- Evolutionary and developmental genomics
- Comparative genomics
- Metagenomics
- Environmental genomics
- Systems biology

More specific topics include: geographic and phylogenomic characterization of aquatic organisms, metabolic capacities and pathways of organisms and communities, biogeochemical cycles, genomics and integrative approaches applied to microbial ecology including (meta)transcriptomics and (meta)proteomics, tracking of infectious diseases, environmental stress, global climate change and ecosystem modelling.

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### AUDIENCE

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Marine and freshwater biologists and ecologists, molecular biologists, geneticists, biotechnologists, oceanographers and modellers.

### IMPACT FACTOR

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## ABSTRACTING AND INDEXING

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**RESEARCH INTERESTS:** Metazoan evolution. Evolution of hormones and neurosecretory brain centers in Bilateria. Regulation of reproductive cycles. Regeneration. Biology of marine annelids.

**J.K. Sky Yu**, Academia Sinica, Nankang, Taipei, Taiwan

**RESEARCH INTERESTS:** Biology of cephalochordate amphioxus. Evolutionary transition from invertebrates to vertebrates. EST resources and genome sequencing data. Expression patterns of developmental genes and functional analysis of signaling pathways. Evolutionary origin of vertebrate body plan

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*Theory/calculation*

A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.



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Results should be clear and concise.

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Mettam, G.R., Adams, L.B., 2009. How to prepare an electronic version of your article, in: Jones, B.S., Smith, R.Z. (Eds.), *Introduction to the Electronic Age*. E-Publishing Inc., New York, pp. 281–304.

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