



ECOLOGICAL COMPLEXITY

An International Journal on Biocomplexity in the Environment and Theoretical Ecology

AUTHOR INFORMATION PACK

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DESCRIPTION

Ecological Complexity is an international journal devoted to the publication of high quality, peer-reviewed articles on all aspects of **biocomplexity** in the **environment**, theoretical **ecology**, and special issues on topics of current interest. The scope of the journal is wide and interdisciplinary with an integrated and quantitative approach. The journal particularly encourages [submission](#) of papers that integrate natural and social processes at appropriately broad spatio-temporal scales.

Ecological Complexity will publish research into the following areas:

- All aspects of biocomplexity in the environment and theoretical ecology
- Ecosystems and biospheres as complex adaptive systems
- Self-organization of spatially extended ecosystems
- Emergent properties and structures of complex ecosystems
- Ecological pattern formation in space and time
- The role of biophysical constraints and evolutionary attractors on species assemblages
- Ecological scaling (scale invariance, scale covariance and across scale dynamics), allometry, and hierarchy theory
- Ecological topology and networks
- Studies towards an ecology of complex systems
- Complex systems approaches for the study of dynamic human-environment interactions
- Using knowledge of nonlinear phenomena to better guide policy development for adaptation strategies and mitigation to environmental change
- New tools and methods for studying ecological complexity

The papers that should appear in this journal are characterized by:

- Biocomplexity related to the environment and vice versa
- Inter disciplinary (e.g. biology, ecology, environmental science, mathematics, modelling)
- Integration of natural and social processes (esp. over time)

AUDIENCE

This new journal is essential reading for ecologists with integrated and quantitative interests as well as coupling social-economic and natural systems; mathematical and theoretical ecologists; biophysicists; computational biologists (in ecological informatics); landscape ecologists; conservation biologists; complex systems scientists, resource managers.

IMPACT FACTOR

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INTRODUCTION

Ecological Complexity

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Ecological Complexity is an international journal devoted to the publication of high quality, peer-reviewed articles on all aspects of biocomplexity in the environment, theoretical ecology, and special issues on topics of current interest. The scope of the journal is wide and interdisciplinary with an integrated and quantitative approach. The journal particularly encourages submission of papers that integrate natural and social processes at appropriately broad spatio-temporal scales.

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The papers that should appear in this journal are characterized by: Biocomplexity related to the environment and vice versa Inter disciplinary (e.g. biology, ecology, environmental science, mathematics, modelling) Integration of natural and social processes (esp. over time)

Types of paper

The following contributions will be accepted:

Original research papers and case studies

Review articles

Special themes issues

Short notes

Viewpoint articles

Letters to the Editor

Book Reviews

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Van der Geer, J., Hanraads, J.A.J., Lupton, R.A., 2010. The art of writing a scientific article. *J. Sci. Commun.* 163, 51–59. <https://doi.org/10.1016/j.Sc.2010.00372>.

Reference to a journal publication with an article number:

Van der Geer, J., Hanraads, J.A.J., Lupton, R.A., 2018. The art of writing a scientific article. *Heliyon.* 19, e00205. <https://doi.org/10.1016/j.heliyon.2018.e00205>.

Reference to a book:

Strunk Jr., W., White, E.B., 2000. *The Elements of Style*, fourth ed. Longman, New York.

Reference to a chapter in an edited book:

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.

Reference to a website:

Cancer Research UK, 1975. Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/> (accessed 13 March 2003).

Reference to a dataset:

[dataset] Oguro, M., Imahiro, S., Saito, S., Nakashizuka, T., 2015. Mortality data for Japanese oak wilt disease and surrounding forest compositions. *Mendeley Data*, v1. <https://doi.org/10.17632/xwj98nb39r.1>.

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