

ANNOUNCEMENT

## Call for papers for special feature: “Evolutionary demography: the dynamic and broad intersection of ecology and evolution”

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### **Deadline for proposal submission:** Friday 2nd Dec., 2016

(The acceptance or decline of the proposal will be informed within 2 weeks)

### **Deadline for manuscript submission:** Friday 31st Mar., 2017

We are calling for proposals for papers to contribute to the above special feature, which is intended to provide an up-to-date understanding of the cutting edge of evolutionary demography. This special feature will be published in *Population Ecology* in January, 2018.

#### **Aims and scope**

Thirty years ago, Silvertown\* wrote, “Fitness is a relative measure of evolutionary advantage which is based upon the survival and reproductive success of individuals with different phenotypes. Natural selection is a demographic process”. Demography is therefore central to understanding evolution. “Evolutionary demography” is an emerging research field that, in short, reconsiders the data on demographic rates and processes from the point of view of evolution. It enables us to understand comprehensively not only the life histories of species, but also the evolutionary origins of the underlying mechanisms at the heart of population and community dynamics. We are now in a revolutionary era in the demographic research of plant and animal populations. The databases named COMPADRE and COMADRE are now available on the Internet, which contain demographic data on 2200 plant and animal species. It is now the right time to address key evolutionary questions with such big data. This special issue will address these questions, and the statistical tools and mathematical models needed to answer them. (We, the Society of Population Ecology, organize a symposium with the same title as this special feature this November.)

\* Silvertown JW (1982) Introduction to plant population ecology. Longman, New York

### **Potential topics**

We invite reviews and original papers on evolutionary demography. Potential topics include, but are not limited to:

1. Demographic analysis of populations (including human populations) from the point of view of evolutionary ecology.
2. Meta-analysis using big databases of populations.
3. Eco-evolutionary studies on population level and/or community level.
4. Theoretical studies and the development of mathematical models of life history evolution.

### **How to write your proposal**

Proposals may be up to 500 words (excluding references) and should include the following:

1. Title of paper, and author names and affiliations.
2. Objectives of the paper
3. Description of methodology
4. Summary of key findings

### **Guest Editors**

Takenori Takada, Hokkaido University, Japan.  
Richard Shefferson, University of Tokyo, Japan

### **Submission of proposals and E-mail address for query:**

popocol@fsc.hokudai.ac.jp

### **Submission of manuscripts**

Guidelines for authors and manuscript submission can be found in the “Instruction for Authors” on the following URL:  
<http://www.springer.com/life+sciences/ecology/journal/10144>.

Manuscripts must be submitted online to facilitate quick and efficient processing.

<http://www.editorialmanager.com/poec/Default.aspx>