

Physiological and Biochemical Zoology is soliciting manuscripts for review for a Focused Issue on the topic of Ecoimmunology

We would like to welcome the submission of papers on **ecoimmunology**, integrating immunology with biology and comparative physiology in an evolutionary and ecological context. We are interested in ecoimmunological research at molecular through organismal and behavioral levels, from conception through old age and senescence.

Topics of interest for the Focused Issue include, but are not limited to:

- Review papers providing a broad context for an understanding of the application and integration of ecoimmunology in comparative physiology
- Investigations into traits that may communicate disease resistance or tolerance.
- Research addressing the costs of immunology.
- Investigations of the fitness consequences of resistance and tolerance of parasites.
- Disease resistance in wild compared to laboratory-raised populations
- Technical Comments on preventing laboratory population co-infections
- Education and Outreach papers promoting the integration of ecoimmunology into high school or undergraduate education, describing scalable classroom exercises or experiments
- Uses of ecoimmunology for wildlife management
- Investigations of mechanisms mediating individual variation in parasite defenses in populations
- Brief Communications of early results of studies of ecoimmunology
- Comments on Published Papers presenting new ideas or alternative interpretations based on published PBZ papers on ecoimmunology
- Technical Comments on field methods for studying immunity in wild populations
- Impact of climate change and/or human impact on immunity in wild populations

Submit papers to www.edmgr.com/pbz/ by April 1, 2018.

Submitted manuscripts should be of interest to the broad general readership of PBZ and clearly state the broader scientific relevance and implications of the work.

Multispecies comparative studies should give due consideration to phylogeny when conducting statistical analyses and drawing evolutionary interpretations (see, for example, Garland and Adolph 1994, *Physiological Zoology* 67, 797-828). With rare exception, two-species comparative studies will not be considered for publication.

PBZ publishes a broad range of paper types, including Research Papers, Brief Communications, Technical Comments, Comments on Published Papers, Education and Outreach, Book Reviews, Invited Perspectives, Reviews, and In Memoriam papers for distinguished scholars. All papers are subject to double-blind peer review.