

# Special Issue

## Population Genetics of Fungi

### Message from the Guest Editor

Population genetics investigates the patterns of genetic variation within and between populations. It is a highly interdisciplinary field of study that uses knowledge of the rules of inheritance in genetic crosses to infer how the genetic composition of a population has changed in the past and to predict how such populations may change in the future under various forces of evolution. Fungi are among the most specious and diverse groups of eukaryotes. They impact the health of plants, animals, and our ecosystems. Some fungi form mushrooms that are delicacies in many cultures, while other mushroom fungi may be extremely toxic to humans and other animals. Several hundred fungal species can directly cause human diseases, and even a larger number of fungal species can cause infectious diseases in plants. Population genetic studies of these fungal pathogens help elucidate the epidemiology of fungal diseases, including the origin, transmission, and spread of novel genotypes and of virulent and drug-resistant strains. This Special Issue attempts to capture some of the recent excitements in fungal population genetics. We welcome submission on all groups of fungi.

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### Guest Editor

Prof. Dr. Jianping Xu

Department of Biology, McMaster University, Ontario, Canada

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### Deadline for manuscript submissions

closed (5 September 2022)

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## Genes

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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