



## Seed Germination Ecophysiology of Invasive Species

Guest Editor:

**Dr. Lina Podda**

Department of Life and Environmental Sciences, Centre for the Conservation of Biodiversity (CCB), University of Cagliari, Viale Sant'Ignazio da Laconi 11-13, 09123 Cagliari, Italy

Deadline for manuscript submissions:

**15 October 2024**

### Message from the Guest Editor

Dear Colleagues,

Globally, invasive alien species (IAS) are the second biggest cause of biodiversity loss and species extinctions; their impact may also cause major economic and health problems. Consequently, the management of IAS requires urgent and immediate actions in the form of prevention, early detection, eradication, management, and control activities.

There are some differences in the habitats or regions that IAS tend to prefer, but also in their intrinsic traits, which determine their invasiveness and impact. Invasive plant species present “winning” ecophysiological features not found in native flora such as a good adaptability to a wide range of environmental conditions, the facility to reproduce both sexually and vegetatively, and the ability to produce large amounts of seeds. The seed biology, ecology, seedbank density, and longevity are important drivers of plant competitive performance, contributing to the invasion success.

This Special Issue of *Seeds* aims to increase the ecological knowledge of IAS and to provide a meaningful contribution to developing management plans for these species by the study of seed germination ecophysiology.

