

## Special Issue

# Cactaceae Genetics and Genomics

### Message from the Guest Editors

The succulent plants within the Cactaceae family offer an appealing model system to study the evolutionary processes driving adaptation, diversification, and persistence in arid landscapes. In the face of the accelerated desertification expansion associated with anthropogenic global warming, understanding these evolutionary processes as well as their resulting patterns offers the opportunity to improve our ability to predict the landscape's responses to future climate changes. The cacti comprise more than 1400 species and are among the most conspicuous members of arid and semiarid landscapes in the Neotropical region. Many of these species are under extreme threat of extinction. The adaptations in the morphological, anatomical, and physiological traits acquired by members of this family in response to drought-stress selective pressure represent the most remarkable modifications observed in the plant kingdom. These evolutionary changes were then followed by intense diversification, generating an array of spectacular growth forms.

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### Guest Editors

Dr. Evandro Marsola de Moraes

Dr. Fernando Faria Franco

Dr. Pablo C. Guerrero

Dr. Tania Hernández

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### Deadline for manuscript submissions

closed (20 May 2022)

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## Genes

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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