Special Issue

The Role of Plant Tissue Culture Technology in Biodiversity Conservation—Selected Papers from the IUFRO 125th Anniversary Congress

Message from the Guest Editor

Plant biodiversity is declining rapidly due to physical and environmental factors. It is a global concern because biodiversity has declined by more than a quarter in the last 35 years. Thus, all member states of the Convention on Biological Diversity (CBD) took measures to preserve both agricultural and forest biodiversity. Plant tissue culture technology has been increasingly applied for micropropagation, germplasm conservation, and genetic improvement in diverse plant species. Biotechnological methods, such as plant tissue culture, somatic embryogenesis, cryopreservation, etc., are quite applicable and useful for *ex situ* plant conservation and sustainable resource utilization. Especially, *in vitro* technology offers new means of improving biodiversity conservation in rare and endangered plant species. We would like to invite contributions for this Special Issue to discuss practical applications of *in vitro* techniques to the conservation and sustainable use of plant biodiversity.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2017)

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

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