



an Open Access Journal by MDPI

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

Guest Editor:

Dr. Tae Dong Kim

National Institute of Forest Science, Suwon, Korea

Deadline for manuscript submissions: closed (30 September 2017)

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.









an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Message from the Editorial Board

Forests (ISSN 1999-4907) is an international and crossdisciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access.

Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank: JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

Contact Us

Forests Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/forests forests@mdpi.com X@Forests_MDPI