forests

an Open Access Journal by MDPI

IMPACT FACTOR 2.4

CITESCORE 4.4

The Soil Seed Bank and Its Importance in Burnt Zones Recuperation Strategies

Guest Editor:

Dr. Luz Valbuena
Department of Biodiversity and Environmental Management, School of Agricultural and Forestry Engineering, Universidad de León, Leon, Spain

Deadline for manuscript submissions:
closed (15 November 2022)

Message from the Guest Editor

Wildfires of great dimension are increasingly frequent, and their ecological effects are more and more severe, to the extent that they can be considered change agents of forest systems. The main flora communities that suffer these fires include species with a great capacity of resilience and regenerative strategies. Species with these strategies are capable of producing a large amount of seeds and forming seedbanks in the soil that respond in an efficient way to fire, although obligate seeders do this to a larger extent. The germination of these seeds stored in the soil can be stimulated directly by temperature during the fire or by the chemical products derived from combustion, and indirectly by the microenvironmental conditions created after the fire. Understanding the seed bank allows us to predict the system's capacity to recover after the fire and to design restoration strategies.

With this Special Issue, we encourage you to contribute to a wider knowledge about soil seedbanks that will allow us to have a better insight into regenerative strategies after these types of disruptions and will help with decision making for conservation and managing of forest communities.

forests

an Open Access Journal by MDPI

IMPACT FACTOR 2.4

CITESCORE 4.4

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 cross-disciplinary, 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, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com
𝕏@Forests_MDPI