



forests



an Open Access Journal by MDPI

Role of Gap Factors in Forest Tree Regeneration and Plant Communities

Guest Editors:

Dr. Christel Kern

USDA Forest Service, Northern
Research Station, 5985 Highway
K, Rhinelander, WI 54501-9128,
USA

Dr. Jurij Diaci

Biotechnical Faculty, Department
of Forestry, University of
Ljubljana, Vecna Pot 83, 1000
Ljubljana, Slovenia

Dr. Jiaojun Zhu

Institute of Applied Ecology,
Chinese Academy of Sciences,
Shenyang 110016, China

Deadline for manuscript
submissions:

closed (15 March 2020)

Message from the Guest Editors

Dear Colleagues,

Many factors complicate harvest gap outcomes and their implementation.

Past research has focused on gap size, tree regeneration, plant architecture, and plant community diversity. The results are varied and highlight the influence of gap characteristics, plant traits, microclimate, soil moisture, and biotic influences within gaps. More studies are needed to further refine these interactions by ecosystem and region.

New studies are needed on functional relationships and belowground processes within gaps, gaps as small-scale plantings for new ecotypes/species for anticipated climate change, and studies that translate existing knowledge into application, such as forest canopy composition and heterogeneity to stand-scale prescriptions (e.g., using LiDAR). Implementation studies are needed to execute research results into operations.

Overall, new knowledge on the context of gaps and their application will advance the knowledge and the practice of sustainable forest management.

Dr. Christel C. Kern

Dr. Jurij Diaci

Dr. Jiaojun Zhu

Guest Editors



mdpi.com/si/21713

Special Issue



forests



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 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, 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