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Hydrology and Ecosystem Services in Forests

Guest Editors:

Prof. Dr. Liangxin Fan

School of Surveying and Land
Information Engineering, Henan
Polytechnic University, Jiaozuo
454000, China

Prof. Dr. Xiaohu Dang

College of Geology and
Environment, Xi'an University of
Science and Technology, Xi'an,
710054, China

Dr. Lie Xiao

College of Water Resources and
Hydropower Engineering, Xi'an
University of Technology, Xi'an
710048, China

Deadline for manuscript
submissions:

28 June 2024

Message from the Guest Editors

A healthy ecosystem provides us with all the processes and output services we require. A forest is the most efficient natural ecosystem, with a high rate of photosynthesis and complex ecological elements and hydrologic processes. With the intensification of climate change, drought, deforestation and wild fire are having a negative impact on hydrological processes and ecosystem services of forests. Many restoration initiatives have been launched in recent decades to improving forest ecosystem services, hydrological processes and sustainable livelihoods in forest ecosystem. By summarizing the feedback among hydrology process, ecosystem services and forest, we hope to discover interactions among water cycles, climate change and forest ecosystems, and provide a basis for responding to global environmental threats impact on forests ecosystem. We invite and encourage contributions of analysis and empirical research on hydrology and forest ecosystem services of forest carried out globally or in specific regions. Research areas may include (but are not limited to) the following: forest restoration, ecosystem services, hydrologic processes, and climate change.



mdpi.com/si/169470

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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

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Contact Us

Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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