Special Issue

New Applications of GIS and Remote Sensing to Monitor and Predict Fire Hazard Risk and Effects

Message from the Guest Editors

The development of new geospatial technologies and innovative advanced data analysis is leading to significant progress in the monitoring, mapping, and prediction of fire hazard, risk, and effects. New GIS and remote sensing technologies, new satellite and/or radar sensors, and cloud-based imagery processing tools (e.g., Google Earth Engine) are being applied to monitor and characterize fuel hazard, fuel moisture, fire behavior, burned area, burn severity, and fire effects (e.g., fire emissions, fuel consumption, tree mortality and regeneration). Improved predictions of fire occurrence, spread, intensity, and risk are being developed by integrating GIS and remote sensing information, using innovative statistical and simulation approaches. This Special Issue that will focus on the development of innovative applications of GIS, spatiotemporal modeling, and remote sensing to monitor and predict fire hazard, behavior, risk, and effects. Contributions are welcome on the following topics:

- **Monitoring of Fire Hazard, Behavior, Risk, and Effects with GIS and Remote Sensing.**
- **Prediction of Fire Hazard, Behavior, Risk, and Effects with GIS and Remote Sensing.**

Guest Editors

Prof. Dr. Daniel J. Vega-Nieva

Dr. Ernesto Alvarado

Dr. William Matthew Jolly

Dr. Adrián Jiménez-Ruano

Prof. Dr. Pablito Marcelo López-Serrano

Dr. Carlos Ivan Briones-Herrera

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Forests
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

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