Special Issue

Dynamic Modelling and Risk Assessment of Wildfire

Message from the Guest Editor

Wildfires are a major and recurrent threat to valued forest resources and assets resulting from complex interactions and synergies between humans and landscape. Wildfire modeling is currently a mature discipline in which a large number of approaches have been developed, from 'static' models based on long-term historical fire data to operational simulations and forecasts.

Science-based decision-making requires reliable and accurate inputs in order to provide effective recommendations. The most recent developments are clearly influenced by the increasing availability of information. Despite the challenge of managing such a huge amount of information, the current situation regarding data inputs and techniques opens the door to the development of dynamic models, conducive to the simulation and forecast of processes related to fire. This Special Issue will comprise a selection of papers dealing with non-stationary modeling approaches of wildfire, paying special attention to fire risk. This includes (but it is not limited to) empirical models or simulations of hazard probability, fire danger, propagation, vulnerability, exposure assessments or post-fire response.

Guest Editor

Prof. Marcos Rodrigues
Department of Agricultural andForest Engineering, Universitat de Lleida, Lleida, Spain

Deadline for manuscript submissions

closed (30 October 2019)

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

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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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Message from the Editor-in-Chief

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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