



## Special Issue

### New Trends in Forest Fire Research Incorporating Big Data and Climate Change Modeling

*Guest Editors:*

**Prof. Ioannis Gitas**

Laboratory of Forest Management and Remote Sensing, School of Forestry and Natural Environment, Aristotle University of Thessaloniki, Thessaloniki, Greece

igitas@for.auth.gr

**Dr. Vincent G. Ambrosia**

NASA-Ames Research Center, Moffett Field, CA 94035, USA

vincent.g.ambrosia@nasa.gov

**Dr. Chariton Kalaitzidis**

Department of Geoinformation in Environmental Management, Mediterranean Agronomic Institute of Chania (MAICh), Chania, Greece

chariton@maich.gr

*Deadline for manuscript submissions:*

31 December 2017

#### Message from the Guest Editors

Dear Colleagues,

The workshop and proposed Special Issue focuses on global systems for monitoring wildfires, as well as the missions providing data for this purpose, and the modeling endeavors with regards to climate change, considering the contribution of forest fires. We invite you to submit articles on the following topics:

- (1) Studies on the impact of climate change on forest fires occurrence and severity;
- (2) Contribution of the current and upcoming Sentinel missions on forest fire research;
- (3) Exploitation of Big Data and dense satellite time-series for fire disturbance monitoring;
- (4) Improved methods of modelling post-fire vegetation trends;
- (5) Improved capabilities for sharing / understanding / modelling large-volume fire data sets;
- (6) Methods of forest fire detection and monitoring on multiple scales

Prof. Ioannis Gitas

Dr. Vincent Ambrosia

Dr. Chariton Kalaitzidis

*Guest Editors*

#### Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High visibility:** indexed by the Science Citation Index Expanded (Web of Science), **Ei Compendex**, **InspeC (IET)** and other databases.

**Rapid publication:** manuscripts are peer-reviewed and a first decision provided to authors approximately 29 days after submission; acceptance to publication is undertaken in 4 days (median values for papers published in this journal in first half of 2017).