# Special Issue

# Earth Observations of Pre-Fire Fuel Conditions for the Prediction of Large-Scale Wildfires: Building Up Operational Systems

## Message from the Guest Editor

This Special Issue aims at promoting and supporting innovative studies, for example, that develop new sensors that have never been applied before, pioneer new retrieval algorithms, explore unknown mechanisms, or overcome limitations in existing retrieval algorithms for the estimation of fuel conditions or the prediction of fuel-driven wildfires. Articles may address, but are not limited, to the following topics:

- Biomass (as fuels) estimation;
- Forest fuel condition mapping and pattern analysis;
- Carbon cycle/sequestration/emission related to wildfires, harvesting and grazing;
- Vegetation water contents;
- Live fuel moisture contents;
- Fuel (vegetation) temperature;
- Dry matter contents;
- Radiative Transfer Models for forest vegetation dynamics:
- Wildfire prediction/risk assessment;
- Land-driven ignition;
- Fire spread rates/fire severity;
- Burned areas:
- L-band, S-band synthetic aperture radar (SAR), interferometric radiometer;
- Large-scale land surface-driven wildfires;
- Validation over large-scale wildfires.

#### **Guest Editor**

Dr. Ju Hyoung Lee

United Nations University Institute for Water, Environment and Health (UNU-INWEH), 225 East Beaver Creek Rd, Richmond Hill, ON L4B 3P4, Canada

### Deadline for manuscript submissions

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

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# Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peerreview process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend Remote Sensing for your best research publications for a fast dissemination of your research.

#### Editor-in-Chief

#### Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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