Special Issue

Remote Sensing of Atmospheric Components and Water Vapor

Message from the Guest Editors

Dear Colleagues This is an invitation to contribute to this Special Issue, regarding the retrieval, analysis and validation of atmospheric components (gases) by remote sensing technique: Water vapor (H2O(v)), CO2 and CH4 as representatives of greenhouse gases; SO2, NO2, CO, HCHO, as main trace gases, and obviously ozone and those related with its decline, such as OCl, OClO, OBr, and CFCs. A wide set of different techniques may be considered, mainly those based on radiometry, spectroscopy (i.e., DOAS, FTS, etc.), LIDAR and related techniques of general applications and other techniques. These techniques may be applied from local to global scales as the main tool for the monitoring of these atmospheric constituents: From surface local measurements, usually arranged into regional or global networks (NDAC, TCCON, Brewer network, etc.) to the great variety of Earth Observing satellite sensors. When long-term data are available, climatology studies, seasonal cycles, and trend analyses will be also welcome. Monitoring of atmospheric gas composition is of vital importance in climate change.

Co-

Guest Editors

Dr. Victoria E. Cachorro

Department of Experimental Sciences Teaching, University of Valladolid, Valladolid, Spain

Dr. Manuel Antón

Department of Physics, Universidad de Extremadura, 06006 Badajoz, Spain

Deadline for manuscript submissions

closed (31 March 2020)

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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 peer-review 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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