



CALL FOR PAPERS
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
Special Issue on
“Assessing the Impact of COVID-19 Pandemic on the Environment”

COVID-19 pandemic has been attacking the nations of the earth at their core and causing humanitarian crises on a global scale. To control the spread of the virus, governments have issued new regulations to restrict human mobility as extreme as national lockdowns. The restricted human mobility has not only led to unexpected economic and societal impacts on nations but also resulted in numerous impacts on the environment. Multi-temporal airborne and spaceborne remote sensing data captured over different parts of the earth provide excellent means to globally measure the impact of such changes in human mobility on atmosphere, land, and oceans.

This special issue, as a general response of the Remote Sensing Society to COVID-19 pandemic, aims to assess the positive and negative impacts of COVID-19 pandemic on the environment using techniques such as change analysis of multi-temporal remote sensing data. While we consider all submissions that assess the environmental impact of COVID-19 pandemic based on remotely sensed data, we are particularly interested in the papers focusing on changes in the following areas:

- Air quality;
- Deforestation;
- Farming;
- Land cover and land use;
- Transportation;
- Ocean pollution;
- Water quality;
- Wildlife.

In order to support reproducibility and replicability in remote sensing, we highly encourage submissions with open data and code.

Schedule

October 1, 2020 Submission system opening
March 31, 2021 Submission system closing

Format

All submissions will be peer reviewed according to the IEEE Geoscience and Remote Sensing Society guidelines. Submitted articles should not have been published or be under review elsewhere. Submit your manuscript on <http://mc.manuscriptcentral.com/jstars>, using the Manuscript Central interface and select the “Assessing the Impact of COVID-19 Pandemic on the Environment” special issue manuscript type. Prospective authors should consult <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9082768> for guidelines and information on paper submission. All submissions must be formatted using the IEEE standard format (double column, single-spaced). To download such a template for transactions, please visit http://www.ieee.org/publications_standards/publications/authors/author_templates.html. Please note that since January 1, 2020, IEEE J-STARS has become a fully open-access journal charging a flat publication fee \$1,250 per paper.

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