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Applications of Big Data in Global Environmental Predictions

Guest Editor:

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closed (30 November 2020)

Message from the Guest Editor

Dear Colleagues,

Predictions of the global environment are a significant topic of environmental sciences, which aims to improve our knowledge of adaptation strategies for the future environment as well as improving prediction skill and mitigation strategies of environmental problems such as climate change, air pollution, and ocean acidification. The applications of global environmental predictions have recently improved in connection with “big data” such as data science, machine learning, and numerical modeling. By considering these recent improvements, this Special Issue invites papers that use big data to solve the problems related to global environmental prediction. Studies from specific areas of environmental science and interdisciplinary studies, covering, e.g., atmospheric science, biology, chemistry, ecology, and oceanography, are highly welcome.

Dr. Yousuke Yamashita
Guest Editor

Keywords

- global environment
- big data
- data science
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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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