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Data in Astrophysics & Geophysics: Research and Applications

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Deadline for manuscript submissions:

closed (12 October 2018)

Message from the Guest Editors

The space and Earth's layers are mediums permanently exposed to influences of numerous perturbations characterized with time- and space-dependent intensity. For this reason, detection of the astrophysical and terrestrial events and their influences, as well as the development and application of various models, must be based on observation data. The challenges related to data volume, variety and data flow are similar in astro- and geo-observations. This Special Issue aims to encourage the communication among the disciplines by identifying and grouping relevant research solutions. Its goals are to engage a broad community of researchers to make new discoveries enabled by the growth of data and technology and to continue interdisciplinary exchanges of ideas and methodologies with other fields.

We would like to invite you to submit articles addressing the data collection in astrophysics and geophysics, its acquisition, processing, and management. Potential topics include, but are not limited to:

- big data in astrophysics and geophysics
- data processing, visualization and acquisition
- line profiles data
- interstellar spectra data
- atomic and molecular data in astrophysics
- Earth observation data
- climate data records
- natural hazards and disasters; remote sensing



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Special Issue



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Message from the Editor-in-Chief

Data is an open access journal that publishes scientific data in a reliable, citable, and accountable manner. Data grants the opportunity to formally share valuable data, for academic credit. It covers a wide range of disciplines in which data is generated so that published data is discoverable and available for wider re-use. The journal has highly accomplished scientists from a variety of disciplines on the editorial board. The publication emphasizes clarity, honesty, quality, and novelty and has a rigorous peer-review process. We strongly encourage you to share your data vision in Data.

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