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Remote Sensing Observations to Improve Knowledge of Lithosphere–Atmosphere–Ionosphere Coupling during the Preparatory Phase of Earthquakes

Guest Editors:

Dr. Dedalo Marchetti

Istituto Nazionale Di Geofisica E
Vulcanologia, Rome, Italy

Prof. Dr. Kaiguang Zhu

College of Instrumentation and
Electrical Engineering, Jilin
University, Changchun 130061,
China

Prof. Dr. Yunbin Yuan

State Key Laboratory of Geodesy
and Earth's Dynamics, Innovation
Academy for Precision
Measurement Science and
Technology (APM), Chinese
Academy of Sciences, Wuhan
430077, China

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submissions:

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Message from the Guest Editors

Dear Colleagues,

In the last decades, several satellite observations have been used not only for co-seismic precise effects estimation but also to search for possible precursors signals. Some satellites have been launched for this purpose such as DEMETER (Detection of Electro-Magnetic Emissions Transmitted from Earthquake Regions), which flown from 2004 to 2010, and CSES-01 (China Seismo Electromagnetic Satellite), which is successfully in orbit from 2 February 2018 and it is in good operating conditions.

We welcome papers that explore the statistical significance of pre-earthquake processes that occurred in the lithosphere, atmosphere and ionosphere, as detected by satellite and or other methods. Papers with deterministic, empirical or analytical models of the lithosphere, atmosphere and ionosphere coupling (LAIC) effects are also welcome.

Furthermore, papers concerning earthquake investigations using remote sensing data are precious for understanding the physics and mechanisms of such phenomena.

Dr. Dedalo Marchetti
Prof. Dr. Kaiguang Zhu
Prof. Dr. Yunbin Yuan
Guest Editors



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Special Issue



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Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and
Geographic Information Systems,
Peking University, Beijing, China

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Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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