



Lithosphere–Atmosphere–Ionosphere Coupling (LAIC) Models

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In the last 20 years, many scientists have worked hard trying to understand how information from underground has propagated through the atmosphere up to its higher layer ionosphere. We are very close now to solving this problem, and the aim of this Special Issue is to summarize the recent progress in understanding the lithosphere–atmosphere–ionosphere coupling (LAIC). This should include at least five important segments:

1. A description of the lithosphere–atmosphere interface;
2. A description of pre-earthquake processes in the boundary layer of the atmosphere;
3. A description of atmosphere–ionosphere coupling leading to ionospheric precursors generation;
4. A description of the ionospheric anomalies associated with earthquake preparation;
5. The synergy of all these parameters, demonstrating their common origin, uniqueness, and time directivity, indicating the approaching of the system to the critical point.

Dr. Sergey Pulinetz
Guest Editor





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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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