

Special Issue

Atmospheric Radon and Radioecology

Message from the Guest Editor

Atmospheric radon, a naturally occurring radioactive gas, plays a crucial role in environmental radioactivity and is an excellent indicator for various geophysical and atmospheric processes. Its behavior and distribution are intrinsically linked to **soil properties, meteorological conditions, and human activity**. In radioecology, radon and its progeny are significant contributors to natural radiation exposure and impact ecological systems via intricate interactions with air, water, and biota. This Special Issue, entitled "**Atmospheric Radon and Radioecology**", aims to showcase recent advancements in **radon monitoring, modeling, and its ecological implications**, as well as enhance our understanding of its environmental dynamics and facilitate the development of robust risk assessment and mitigation strategies within the broader context of radioecology. **The scope of this Special Issue includes, but is not limited to, the following topics:**

- **Advances in atmospheric radon detection technologies;**
- **Long-term radon monitoring networks and data analysis;**
- **Radon transport and dispersion in the atmosphere;**
- **Cross-disciplinary approaches combining radon with remote sensing or AI.**

Guest Editor

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About the Journal

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!

Editor-in-Chief

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