

## Special Issue

# CO<sub>2</sub> Emission in Geothermal Systems and Resources

### Message from the Guest Editors

Geothermal energy provides a valid contribution to the mitigation of climate change because greenhouse gases, in particular CO<sub>2</sub>, are not produced in the electricity and thermal energy generation cycles; geothermal energy is considered CO<sub>2</sub>-free in respect to fossil fuels. The natural degassing of CO<sub>2</sub> from the Earth is a known and partially quantified phenomenon in volcanic and non-volcanic areas. Several papers evidence the occurrence of huge natural emission of CO<sub>2</sub> in geothermal areas. The Special Issue is devoted to increasing our knowledge of the natural phenomenon of Earth degassing due to thermal and geodynamic processes occurring at depth in the Earth, further highlighting relations between natural gas emissions and emissions driven in power plants and their reciprocal influence in respect to the total budget of CO<sub>2</sub> emissions in atmospheric in geothermal systems. This Special Issue is also open to contributions exploring geothermal areas through mapping of CO<sub>2</sub> natural flux and as a tool for fault and fracture tracing.

### Guest Editors

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### Deadline for manuscript submissions

closed (16 May 2022)



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*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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