



## Frontiers in Marine Carbon Cycle

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Deadline for manuscript  
submissions:

**closed (30 June 2022)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue of *Energies* invites papers broadly related to understanding, monitoring, and predicting the global carbon cycle in a world of rapidly changing environmental factors.

Topics of interest for publication include, but are not limited to, the following:

- Functioning of the physical and biological carbon pumps both currently and under projected climate scenarios
- Microbially mediated carbon cycling (microbial loop, viral shunt) and sequestration (microbial carbon pump)
- “Blue carbon” in coastal (sea grasses, mangroves, and salt marshes) and open ocean ecosystems
- Novel technologies and approaches for monitoring the marine carbon cycle (e.g., remote sensing, deep-ocean observation systems).
- Ecosystem modelling
- Climate change mitigation (e.g., carbon capture storage and utilisation, geoengineering, restoration and conservation of habitats highly efficient in “blue carbon” storage)
- Effects of marine resources exploitation on carbon cycling
- Hydrothermal energy transfer and its impact on the ocean carbon cycle





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## Message from the Editor-in-Chief

*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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