Special Issue

Measurement of Greenhouse Gas Emissions from Natural Gas Systems

Message from the Guest Editor

Because combusted natural gas generates less carbon dioxide per unit energy produced than coal or oil, transition to natural gas for energy generation presents a potential reduction in climate impacts. However, this benefit depends on low system leakage rates, as methane, the primary component of natural gas, is a potent greenhouse gas (GHG). The recent shale gas boom has resulted in significant focus on the GHG footprint of natural gas exploration and production. This Special Issue invites critical reviews and research papers that analyze and discuss GHG emissions from natural gas systems. Specific emphasis is on (i) measurements from production and infrastructure components, (ii) their impact on regional air quality, (ii) climate change implications, and (iii) the effect of mitigation strategies and/or regulatory policies.

Guest Editor

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Deadline for manuscript submissions

closed (18 September 2020)

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Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

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