

Special Issue

Particulate Matter Emission, Monitoring and Characterization at Oil/Gas Areas

Message from the Guest Editors

Energetic reliance on oil and gas causes relevant impacts on air quality and health due to the emissions caused by extraction and production processes, including oil spills, venting, flaring, pretreatment, refining, and leakages. Despite an extensive literature on gaseous emissions from oil/gas industry, few works have focused on particulate matter characterization.

The main aim of this Special Issue is to collect and present results obtained by monitoring and characterizing aerosol emissions from Oil/Gas producing activities worldwide. We invite you to submit original research articles and reviews in the field of aerosol study at oil/gas areas including but not limited to: Oil/Gas pollutants

Aerosol chemical and optical characterization

Aerosol aging

Carbonaceous aerosol

Aerosol–gases interactions

Organic pollutants

Flaring and venting emissions from radiometric measurements

Health impacts of Oil/Gas industries

Oil/Gas emission inventories

Guest Editors

Dr. Giulia Pavese

Italian National Research Council (CNR), Rome, Italy

Dr. Rosa Caggiano

Institute of Methodologies for Environmental Analysis (IMAA), National Research Council (CNR), 85050 Tito Scalo, Italy

Dr. Mariarosaria Calvello

Italian National Research Council (CNR), Rome, Italy

Deadline for manuscript submissions

closed (31 December 2020)



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Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

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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

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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