

Special Issue

Liquid–Fluid Interfaces and Dynamics

Message from the Guest Editors

In the oil and natural gas industry, the energy and power industry, the chemical and pharmaceutical industry, and the medical and healthcare industry, the variable fluids of liquid, gas, gas–liquid, and liquid–liquid mixture interact with the walls of pipes, vessels, and reactors during their transport, reaction, and mixing. The purpose of this Special Issue is to report the notable investigations of scientists and engineers in the areas of multiphase flow, multiphase interaction, material corrosion mechanisms in fluids, surface modification, and coatings.

The scope of Special Issue will cover, but will not be limited to, the following contents:

Multiphase interface behaviors;
Multiphase flow and wall interactions;
Material corrosion behavior within static and dynamics fluids;
Surface modification produced by different processes;
Phase-change processes of materials;
Theoretical calculation of a surface or interface;
Phase-interface behavior of energy materials.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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