Topical Collection

Progress in Liquid Atomization and Spray Systems

Message from the Collection Editors

There are numerous challenges that we face in this century where the knowledge of liquid atomization and spray systems plays an important role, such as: aerosol dispersion (e.g., related to contaminated environments); application of spray systems to sustainable energy technology and storage; thermal management technologies; agriculture; medicine; pharmaceutical applications; painting and coating industries; and many others. This Topic Collection will consider submissions on the following topics:

- In physical models of liquid atomization;
- And atomization strategies;
- In multiphase flow transport of droplets and particles;
- In statistical approaches to experimental spray characterization;
- Experimental techniques in droplet and spray characterization;
- Applications in spray technology;
- Insights and applications of drop/spray–wall interactions;
- Research in the dynamic thermofluid behavior of sprays under extreme environments.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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