



Progress in Liquid Atomization and Spray Systems

Collection Editors:

Dr. Miguel R. Oliveira Panão

Department of Mechanical Engineering, Rua Luis Reis Santos, University of Coimbra, 3030-788 Coimbra, Portugal

Dr. Ana Moita

1. CINAMIL—Centro de Investigação Desenvolvimento e Inovação da Academia Militar, Academia Militar, Instituto Universitário Militar, Rua Gomes Freire, 1169-203 Lisboa, Portugal
2. IN+—Center for Innovation, Technology and Policy Research, Instituto Superior Técnico, Universidade de Lisboa, Avenida Rovisco Pais, 1049-001 Lisboa, Portugal

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)