Special Issue

Contact Line Dynamics and Droplet Spreading

Message from the Guest Editors

In this Special Issue we aim to explore the advances in the area of moving contact line dynamics and droplet spreading and their applications in biotechnology, micro-fluidics, nano-fluidics, printing and coating technologies, as well as heat transfer. Potential topics for submission in this Special Issue include but are not limited to:

- Progress in the current modeling of contact line dynamics;
- Application of contact line dynamics for development in biotechnology;
- Contact line dynamics in micro-fluidic devices;
- Contact line dynamics in drug delivery systems;
- Droplet spreading on hydrophobic, superhydrophobic and icephobic surfaces;
- Droplet evaporation on surfaces and its application in COVID-19 aerosol droplets on surfaces;
- Droplet spreading on face masks;
- Printed electronics;
- Coating technology;
- Micro/nano printing;
- Contact line dynamics of volatile and nonvolatile liquids;
- Machine learning and AI in contact line dynamics and droplet spreading.

Guest Editors

Dr. Alireza Mohammad Karim

Dr. Koji Hasegawa

Dr. Maurizio Santini

Deadline for manuscript submissions

31 December 2024

Fluids

an Open Access Journal by MDPI

Impact Factor 1.8
CiteScore 3.4

mdpi.com/si/130576

Fluids
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fluids@mdpi.com

mdpi.com/journal/fluids

Fluids

an Open Access Journal by MDPI

Impact Factor 1.8
CiteScore 3.4

mdpi.com/journal/fluids

MDPI

About the Journal

Message from the Editor-in-Chief

Fluids (ISSN 2311-5521) is an international journal on all aspects of fluids in open access format: research articles, reviews and other contents are released on the internet immediately after acceptance. You are invited to contribute a research article or a comprehensive review for consideration and publication in *Fluids*. The scientific community and the general public have unlimited free access to the content as soon as it is published. Please consider *Fluids* as an exceptional, exciting enterprise ready to reward your trust, attention, and active participation.

Editor-in-Chief

Prof. Dr. D. Andrew S. Rees
Department of Mechanical Engineering, University of Bath, Bath BA2 7AY, UK

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Mechanical Engineering)