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 Al in contact line dynamics and droplet spreading.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2025)



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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.

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