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DESCRIPTION

Founded in 1970, the Journal of Aerosol Science considers itself the prime vehicle for the publication of original work as well as reviews related to fundamental and applied aerosol research, as well as aerosol instrumentation. Its content is directed at scientists working in engineering disciplines, as well as physics, chemistry, and environmental sciences.

The editors welcome submissions of papers describing recent experimental, numerical, and theoretical research related to the following topics:

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   j. Single Particle and Droplet Thermodynamics, Phase Changes within Aerosol Particles
   m. Multiscale Modeling of Aerosol Properties and Behavior (e.g. Molecular Dynamics coupled with Continuum Models)

2. Applied Aerosol Science:
   a. Aerosol based Manufacturing (including aerosol jet printing & additive manufacturing), Aerosol based Materials Synthesis, and Aerosol based Materials Processing
   b. Aerosol Control Technology (personal protection, indoor environments, industrial control technology)
   c. Drug Delivery & Medical Applications of Aerosols
   d. Bioaerosols
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   f. Combustion (including Engine Emissions) and High Temperature Aerosol Dynamics
g. Atmospheric Aerosol Science; Secondary Organic Aerosols; Aerosols & Climate;
h. Indoor Aerosols: Source Characterization, Chemical Transformation, and Transport
i. Aerosol based Disease Transmission
j. Aerosols in Urban Environments

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d. Novel Inertial Separation Schemes for Particles
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k. Innovative Data Analysis Methods; Machine Learning in Aerosol Science

Beside originality, a very important criterion for acceptance of a submission is its ability to communicate conclusions of general relevance to a given field.

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AUDIENCE

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