



POWDER TECHNOLOGY

An International Journal on the Science and Technology of Wet and Dry Particulate Systems

AUTHOR INFORMATION PACK

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DESCRIPTION

Powder Technology is an International Journal on the Science and Technology of **Wet and Dry Particulate Systems**. *Powder Technology* publishes papers on all aspects of the formation of **particles** and their characterisation and on the study of systems containing **particulate solids**. No limitation is imposed on the size of the particles, which may range from nanometre scale, as in pigments or aerosols, to that of mined or quarried materials. The following list of topics is not intended to be comprehensive, but rather to indicate typical subjects which fall within the scope of the journal's interests:

Formation and synthesis of particles by precipitation and other methods. Modification of particles by agglomeration, coating, comminution and attrition. Characterisation of the size, shape, surface area, pore structure and strength of particles and agglomerates (including the origins and effects of inter particle forces). Packing, failure, flow and permeability of assemblies of particles. Particle-particle interactions and suspension rheology. Handling and processing operations such as slurry flow, fluidization, pneumatic conveying. Interactions between particles and their environment, including delivery of particulate products to the body. Applications of particle technology in production of pharmaceuticals, chemicals, foods, pigments, structural, and functional materials and in environmental and energy related matters. For materials-oriented contributions we are looking for articles revealing the effect of particle/powder characteristics (size, morphology and composition, in that order) on material performance or functionality and, ideally, comparison to any industrial standard.

Submissions will usually be overseen according to the following breakdown of specialties:

L.S. Fan (The Ohio State University, USA)

Fluidization, particulates and multiphase flows, particulates reaction engineering, modeling, measurements, and industrial processes and applications

A. Teleki (Uppsala University, Sweden)

Aerosols, nanoparticles, agglomeration, and functional material synthesis and applications

C.Y. Wu (University of Surrey, UK)

Particle characterization, particle mechanics, powder processing and handling, modeling and simulation

A.B. Yu (Monash University, Australia)

Granular dynamics and particle-fluid flow, particulate/granular systems and bulk solids handling, particle packing and structural analysis, comminution and attrition, material synthesis, process engineering and industrial applications

AUDIENCE

Chemical engineers, food technologists, physicists, powder metallurgists, materials scientists, pharmaceutical scientists

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- The journal also publishes **Letters to the editors** (commenting on work published in the journal) and **Book reviews**.

Contact Details for Submission

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Ideally, manuscripts will be proofread for clarity as well as grammatical correctness prior to initial submission. Submission of contributions: Perspectives manuscripts will be coordinated and handled by L.-S. Fan, and suggestions for Perspectives authors should be directed to him.

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Reference to a journal publication:

[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, The art of writing a scientific article, *J. Sci. Commun.* 163 (2010) 51–59. <https://doi.org/10.1016/j.Sc.2010.00372>.

Reference to a journal publication with an article number:

[2] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, 2018. The art of writing a scientific article. *Heliyon.* 19, e00205. <https://doi.org/10.1016/j.heliyon.2018.e00205>.

Reference to a book:

[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

Reference to a chapter in an edited book:

[4] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[5] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

Reference to a dataset:

[dataset] [6] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, *Mendeley Data*, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

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