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### DESCRIPTION

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*Cold Regions Science and Technology* is an international journal dealing with the science and technical problems of **cold environments** in both the **polar regions** and more **temperate locations**. It includes fundamental aspects of cryospheric sciences which have applications for cold regions problems as well as engineering topics which relate to the **cryosphere**.

Emphasis is given to applied science with broad coverage of the physical and mechanical aspects of **ice** (including **glaciers** and **sea ice**), **snow and snow avalanches**, **ice-water systems**, **ice-bonded soils** and **permafrost**.

Relevant aspects of **Earth science**, **materials science**, offshore and river **ice engineering** are also of primary interest. These include **icing** of ships and structures as well as **trafficability** in cold environments. Technological advances for cold regions in research, development, and engineering practice are relevant to the journal. Theoretical papers must include a detailed discussion of the potential application of the theory to address cold regions problems. The journal serves a wide range of specialists, providing a medium for interdisciplinary communication and a convenient source of reference.

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### AUDIENCE

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Engineers in almost all branches of Engineering, Geophysicists, Engineering Geologists, Physicists, Chemists.

### IMPACT FACTOR

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2018: 2.767 © Clarivate Analytics Journal Citation Reports 2019

## ABSTRACTING AND INDEXING

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Applied Mechanics Reviews  
Bibliography on Cold Regions Science & Technology (CRREL)  
Current Contents  
Engineering Index  
Newsletter of the Canadian Geotechnical Society  
Pascal Francis  
Engineering Village - GEOBASE  
Meteorological and Geostrophysical Abstracts  
Scopus  
Science Citation Index Expanded  
Pollution Abstracts  
CSA Technology Research Database  
Composites Industry Abstracts  
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Earthquake Engineering Abstracts  
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Advanced Polymers Abstracts  
Aerospace & High Technology Database, Selective  
ASFA2 – Ocean Technology, Policy and Non-Living Resources  
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### **INTRODUCTION**

*Cold Regions Science and Technology* is an international journal dealing with the scientific and technical problems of cold environments in both the Arctic and more temperate locations. The primary focus is with problems related to the freezing of water, and especially with the many forms of floating ice, snow, and frozen ground. The journal serves a wide range of specialists, providing a medium for interdisciplinary communication and a convenient source of reference.

Emphasis is given to applied science with broad coverage of the physics, chemistry, mechanics, and biological aspects of ice, snow, ice-water systems, and ice-bonded soils. Relevant aspects of earth science, materials science, offshore and river ice engineering are also of primary interest. Technological advances for cold regions areas in research, development, and engineering practice are relevant to the journal. This includes traditional major specializations of engineering (civil, mechanical, electrical), together with other engineering subdivisions (e.g. hydraulics, biotechnology, agricultural, mining, highway, sanitary, petroleum, ocean, rivers). Coverage may also include engineering geology, architecture, meteorology, hydrology, forestry, exploration geophysics, naval architecture, and so forth. Theoretical papers must include a detailed discussion of the potential application of the theory to address cold regions problems.

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1. *Single author:* the author's name (without initials, unless there is ambiguity) and the year of publication;
2. *Two authors:* both authors' names and the year of publication;
3. *Three or more authors:* first author's name followed by 'et al.' and the year of publication.

Citations may be made directly (or parenthetically). Groups of references can be listed either first alphabetically, then chronologically, or vice versa.

Examples: 'as demonstrated (Allan, 2000a, 2000b, 1999; Allan and Jones, 1999)... Or, as demonstrated (Jones, 1999; Allan, 2000)... Kramer et al. (2010) have recently shown ...'

*List:* References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters 'a', 'b', 'c', etc., placed after the year of publication.

### Examples:

Reference to a journal publication:

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

Reference to a journal publication with an article number:

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

Reference to a book:

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

Reference to a chapter in an edited book:

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

Reference to a website:

Cancer Research UK, 1975. Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/> (accessed 13 March 2003).

Reference to a dataset:

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

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