



PYRN-Bib

Permafrost Young Researchers Network – Bibliography of Permafrost-Related Theses
(Version v3.3, 2010-11-10)

Compiled and edited by
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With contributions from

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PYRN website: <http://pyrn.ways.org>

PYRN-Bib website: <http://pyrn.ways.org/resources/pyrn-bib-permafrost-bibliography>

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Introduction

PYRN-Bib is a synthesizing international bibliographical database aiming at collecting and distributing information on all theses submitted for earning a scientific degree in permafrost-related research. PYRN-Bib is hosted by the Permafrost Young Researchers Network (<http://pym.ways.org>), an international network of early career students and young scientists in permafrost related research with several hundred members. PYRN-Bib is published under the patronage of the International Permafrost Association (IPA). We consider PYRN-Bib a fully educational project.

The specific goals of PYRN-Bib are

1. To generate a comprehensive database that includes all degree-earning theses (e.g. Diploma, Ph.D., Master, etc.), coming from any country and any scientific field, under the single condition that the thesis is strongly related to research on permafrost and/or periglacial processes.
2. To reference unique but buried sources of information including theses published in languages other than English.
3. To make the database widely available to the scientific community and the general public.
4. To solicit PYRN membership.
5. And to provide a mean to map the evolution of the nature of permafrost-related research over the last decades, including regional trends, shifts in research direction, and/or the place of permafrost research in society.

PYRN-Bib is available online and maintained by PYRN. Entries are provided by the PYRN-Bib manager, PYRN members and the scientific community. The most recent version of PYRN-Bib described in this document is v3.3 as of 10 November 2010.

- PYRN-Bib currently has 1136 entries
- PYRN-Bib is available online: <http://pym.ways.org/resources/pym-bib-permafrost-bibliography>
- PYRN-Bib is offered in different file formats: tagged Endnote library, XML, BibTex, PDF
- PYRN-Bib is maintained by PYRN

Collection of references

We greatly acknowledge all PYRN members and authors that already have contributed their theses to PYRN-Bib. R. Frauenfelder, C. Siegert, S. Ommanney, and G. Grosse contributed a large number of references from personal collections. We further extracted and evaluated references piece by piece from a number of online databases. We searched the following online databases for theses using permafrost-related search terms (*permafrost, frozen ground, ground ice, patterned ground, pingo, palsa, frost heave, thermokarst, ice wedge, active layer, cryoturbation, rock glacier, thaw lake*):

AWI Potsdam EPIC database	ACD Bibliography v1.0
Bibliography on permafrost and periglacial processes and landforms of the southern hemisphere 2001 - IPA Southern Hemisphere WG	NSIDC Ground ice bibliography (ggd615_groundice_bib.txt)
BiblioLine Arctic & Antarctic Research Database	UAF Rasmuson / GI-IARC Library Database
BIBSYS online database	ASTIS online database
UMI Dissertation database	INSTAAR online database (1951-2004)
CRREL database	OCLC Online Computer Library Center
NSIDC online database	

We would like to thank those contributors and database providers!

Disclaimer

Inevitably, though checked individually piece by piece, some of the references may have partly lacking information (e.g. page numbers) or even wrong information. We apologize for the inexactness which is originating in our data sources and the inconveniences this might cause when using PYRN-Bib references as a source e.g. for ordering copies from libraries. A systematic correction is not feasible at this point considering the limited time and non-existing funding for this project. Many references were found in several of the above-mentioned libraries, and by incorporating all their information we usually generated a more complete picture of individual references. For every reference in PYRN-Bib the data sources are noted. For non-English references we either had the luck of an already translated title, or we had to translate ourselves with the help of numerous individuals (see acknowledgements). In some cases, these translations might not be 100% accurate. In the process of searching additional databases we will update previously incomplete references or erroneous information. We are more than happy to include any corrections sent to us.

Submission of references

Large collections of dissertation references (in any database or non-database format) can be submitted at once by contacting us before hand (Guido Grosse, ggrosse@gi.alaska.edu). PYRN-Bib is primarily dependent on member submissions and encourages PYRN members as well as senior researchers in the permafrost-related sciences to contribute to the bibliography project.

In particular, we encourage members to perform a simple search at their university library for the search terms '*permafrost*' + '*thesis*' and '*frozen ground*' + '*thesis*' or other closely permafrost-related terms (in English and/or your own your language). Small contributions have proven to fill in gaps in the PYRN-Bib database and we welcome any initiative to collect more information.

Statistics

The current version of the database does probably reflect only partially the nature, the geographical representation, and/or the languages of permafrost research over the past sixty years. Currently, a large number of references come from countries we have easy access to libraries (USA, Germany, Canada, Switzerland). Although these numbers indicate a generally high quantity of permafrost-relevant theses produced in these countries and thus their high interest in permafrost-related research, they can not be reasonably compared with other countries where reference acquisitions were limited so far. We expect greater numbers in other parts of the world, in particular where permafrost research has a long-standing tradition (e.g. Russia, Scandinavia, and China). The biased geographical representation and/or lack of comprehensiveness are sometimes due the poor online accessibility to university libraries or availability of references in non-English languages only. Furthermore, this bibliography is very young – We are in an ongoing process of acquisitions. In that sense, PYRN-Bib is dramatically dependent on the involvement of PYRN members which can reach out to, contact, and collect missing references from libraries. We hope that PYRN members will actively help with the acquisition of missing references, especially in the non-English language realms, and if necessary their translation.

Data Quality

We consider that the terms '*country*' and '*language*' are generally very reliable. The term '*year*' is reliable with a few exceptions where we noted discrepancies of up to one year between different data sources. These references are marked with a note in their online metadata. For the term '*type of thesis*' some errors are introduced by our lacking control of renaming habits for theses degrees. Very often thesis degrees are simply renamed without our knowledge by the authors themselves or by the libraries for better comparison with the Anglo-American degree system consisting of Bachelor, Master and Ph.D.

In the PYRN-Bib database doctoral dissertations mostly are referred to as Ph.D. instead of its original Dr. rer. nat. or other similar degree. Analogous, Diploma theses are often referred to as M.Sc. As a rough

guideline, we might equalize various thesis types (Tab. 1). Not every time we can trace back the original thesis type, especially since some countries (e.g. Germany) offer degrees in both Diploma and M.Sc. depending on the degree-granting university since several years.

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Fairbanks, November 2010

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Potsdam, November 2010

Table 1: Rough guide for the degree systems

Degree system	Undergraduate		Graduate	Postdoctoral
Anglo-American	B.Sc.	M.Sc.	Ph.D.	-
German, Swiss	Pre-Diploma / B.Sc.	Diploma / Magister / M.Sc.	Dr. rer. nat.	Habilitation
Russian	Bakalavr	Diploma / Magistr	Kandidat Nauk	Doktor Nauk

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Citation Style

Blanco example:

Author (Year). English title. [Original title]. Thesis type, University, City, Country. Pages (Language).

Missing information in a reference is now marked with three asterisks ‘’***

English language reference:

Adams, B. (1998). Contaminant movement in frost-affected soils. [Original: Contaminant movement in frost-affected soils]. MA Thesis, Carleton University, Ottawa, Canada. 88 pp. (in English).

Non-English language reference with translated English title and transcribed original title:

Are, F.E. (1979). Coastal thermoerosion. [Original: Termoabraziya beregov]. Avtoreferat doktorskoy dissertatsii Thesis, Moscow State University, Moscow, Russia. 37 pp. (in Russian).

Non-English language reference with translated English title and original title:

Kunitsky, V.V. (2007). Nival lithogenesis and Ice Complex on the territory of Yakutia. [Original: Нивальный литогенез и ледовый комплекс на территории Якутии]. Doktor geographicheskikh nauk Thesis, Permafrost Institute Yakutsk, Yakutsk, Russia. pp. (in Russian)

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