
Scientific publications at UNIS 1993-2003
an anniversary bibliography

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Preface

In December 2002, the management of *The University Centre on Svalbard (UNIS)* took the initiative to compile an official bibliography of the scientific production at the Centre from 1993 to 2003. This anniversary bibliography seeks to spotlight the work done at *UNIS* during its first ten years and will hopefully also serve as a useful benchmark and inspiration for further scientific publication at *UNIS*.

Apart from this printed edition, the anniversary bibliography is also available in a web-based searchable electronic form and in *ProCite*, a reference manager program. The bibliography in its electronic version will be revised to take account of any inaccuracies and omissions that come to light.

The task of verifying and compiling data for our anniversary bibliography was entrusted to Elke Lindner. She has previously attended *UNIS* as a major student, and is well versed in this type of assignment. The compilation started in earnest in April 2003 and was concluded in September on a part-time basis. Elke has managed the project on a fast broadband link from her home in Berlin, with password access to databases licensed at *UNIS*.

Elke has received valuable support from Hagen Held, a computer consultant who works for *Oraïse GmbH*, Berlin. Many of the bibliographical details, large and small, were resolved in consultation with Berit Jakobsen of the *UNIS* Library. Berit also wrote the introductory paragraphs to the bibliography. Other *UNIS* staff who made an indispensable contribution include Ingrid Vinje, staff particulars, and Heinrich Eggenfellner, web publishing.

We will take this opportunity to thank everyone who has helped with the realisation of this project. Many individuals have assisted with the verification of the bibliographical data, and we are most grateful to the many present and former research staff at *UNIS* who have devoted time and effort to this task.

We hope that the work done to compile this anniversary bibliography will prove to be a worthwhile endeavour that will benefit many users!

Berlin & Longyearbyen, 14th of September 2003

Elke Lindner & Berit Jakobsen

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1 Introduction

Each year, the *UNIS* Annual Report includes a list of publications and other presentations of research done at the Centre. Few of these bibliographical databases, however, were fully updated at the closing date for submissions to the Annual Report, and for that reason a good number of publications were never verified. The work on this anniversary bibliography has therefore concentrated on search and verification in a number of databases, and this process has enabled us to identify additional publications not previously listed.

Further details of the bibliographical constraints and methods of presentation are provided in the ensuing sections. In this printed version of the bibliography the main compilation follows this introduction, and finally the index of *UNIS* affiliated authors, broken down by department.

1.1 Bibliographic coverage

In terms of the years covered, the bibliography spans the years from *UNIS* official opening in 1993 to our tenth anniversary in 2003. Due to the fact that the work was compiled early in the year, it will be understood that the final year of the bibliography is far from complete.

This bibliography is based on papers that the *UNIS* faculty research staff have had published during their periods of tenure, reckoned in whole years. This means that some work, though actually done in previous periods of tenure, or in associate positions or on contract, is included at the year of publication. By contrast, work done at *UNIS*, but published outside the affiliation period, is not included in the bibliography.

The bibliography covers publications by *UNIS* research staff, including professors, associate professors, assistant professors, research assistants, and adjunct professors.

Research fellows and post-doctorands who are financed and engaged through *UNIS* are also included. The same applies to research fellows and post-doctorands who obtain external financing and are formally employed at other institutions, provided they have used *UNIS* as a key research platform.

The electronic version of the bibliography also includes a few contributions from technical and administrative staff at *UNIS*. Note that field assistants, civil service workers, and assistants on short-term contracts are not listed.

All versions of the bibliography include articles in journals. Also included are books, institutional series, conference reports and other reports. The same applies to chapters in such publications. Doctoral theses will also be found.

The electronic versions reference abstracts and other papers, including lectures, although these are not as adequately verified as the other categories of publication. References to popular scientific publications, newspaper and media contributions, and field-guides, text books, etc. are only found in the electronic versions of the bibliography. Articles in the *UNIS* Annual Reports are not referenced.

1.2 Reference databases

The compilers have run searches in a number of databases to verify and supplement the publication lists in the *UNIS* Annual Reports. The most productive databases

have been *Web of Science (ISI)*, *BIBSYS*, *Arctic and Antarctic Regions (NISC)*, *FirstSearch (OCLC)*, *CISTI*, *ScienceDirect* and *FORSKDOK*, but also other sources have been scanned where appropriate. Many faculty members, past and present, have graciously provided further publication data on request. In some cases items have been verified by consulting publications in the *UNIS* Library. Others required the assistance of outside libraries.

Some items proving impossible to verify without consulting further resources and bases have been given the status **unverified** or **incomplete entry**. The same applies to items for which the only source or verification is *FORSKDOK* or a website not subject to rigorous quality audit.

1.3 Compilation tool

The bibliography was developed using the *ProCite* software program, which is a popular reference compilation tool. *ProCite* covers the presentation needs of fairly straightforward bibliographies and reference lists, but does not offer the same functionality as professional bibliographic databases. *UNIS* has maintained *ProCite* licences for many years, and the program has proved both stable and functional in previous bibliographic projects.

1.4 Bibliographic standard

In the printed version of this bibliography we have sought a registration level that lies closer to reference lists in scientific journals than to the more comprehensive rules that libraries use to catalogue books. Readers will nevertheless find that our records are in some respects more comprehensive than journal references, for instance we record the names of all co-authors, not just the first author. Thus it is possible to find all *UNIS*-based co-authors in publications by many hands. Since the bibliography covers many scientific fields, we have also chosen to use the full journal title.

The electronic versions were able to compile far more information than the printed version. For instance, titles in other languages have been translated into English, which is a great help when searching for titles. The ISBN and ISSN standard numbers are also included, as also are links to some web pages, selected keywords and abstracts.

1.5 Arrangement of printed version

It is our belief that a chronological arrangement of the printed bibliography much better reflects the development trends at *UNIS* than a traditional systematic arrangement. The bibliography in its printed version is therefore arranged by year of publication, subdivided according to a few broad publication categories. Secondly it is arranged by staff category (tenure professors, adjunct professors, research fellows), and finally alphabetically by first author. Authors who were affiliated with *UNIS* in the year of publication are highlighted in bold text. In cases where a journal article or paper has been published in printed and electronic versions in different years, we have used the year of publication of the printed version as our standard year of publication for chronological sorting.

To avoid duplication of entries in the staff category listing, entries are ranked after the *UNIS* affiliated author with the highest staff category, first sited are fac-

ulty, then adjunct professors and finally research fellows. If an entry has an *UNIS* professor, an *UNIS* adjunct professor and an *UNIS* research fellow as co-authors the entry is only found under the faculty entry.

The printed version of the bibliography has an index of *UNIS* affiliated authors sorted by the departments at *UNIS*. From here, readers are referred to the appropriate serial number in the main body of the bibliography. In this edition we have not sought to compile a complete list of authors. We have, however, ensured that all authors are searchable in the electronic versions.

1.6 Functionality of electronic versions

The electronic versions of the bibliography offer superior functionality. Our *ProCite* version of the bibliography will be operative on a PC in the *UNIS* Library, where its search and sort capabilities provide a powerful tool for administrative and academic purposes. The *ProCite* files are compatible with other reference tools, including *EndNote* and *Reference Manager*, which makes them accessible for further use by researchers and students alike.

On the web the search functionalities are not as comprehensive as in *ProCite*, but nevertheless provide several entry options to the bibliography not offered in the printed version. The web search is accessible from the *UNIS* homepage at <http://www.unis.no/>.

1.7 Further compilation

All important entries in the bibliography have been verified. There remain, however, a few entries that cannot be verified without improved access to certain subject-specific external databases. In fact, verification of some items would pose a real challenge even to large university libraries, and for that reason a fully verified bibliography is only possible with the expenditure of considerable further resources.

Our bibliography has not been compiled on the basis of a systematic approach, and for that reason we have not employed systems like the *Universal Decimal Classification (UDC)*. If we wish to do so, this data can be added later, providing a handle for systematic analysis. If at a later date we wish to make a subject index, then this requires the addition of index terms from a controlled vocabulary. Until further notice, these functionalities have low priority, as there seems to be no pressing need for a subject index, or for a broader range of search fields.

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by faculty

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Remarks

- ¹ - unverified
² - incomplete entry
³ - confidential

13 Index of UNIS authors

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