

**Guide to Academic Information Search
- for Students of Tohoku University -**

Tohoku University Library

2007

**Natural
Science**

**Guide to Academic Information Search
- for Students of Tohoku University**

Tohoku University Library

(c) 2007 Tohoku University Library



Contact Information

Tohoku University Library
Information Planning Section

TEL: 022-795-5925

E-mail: denshi@library.tohoku.ac.jp

URL: <http://www.library.tohoku.ac.jp/>

Contents

Preface

1 Universities and University libraries in Japan

1.1 Welcome to Japanese university!	5
1.2 University Libraries in Japan	8
1.3 How to use other university libraries in Japan	8

2 Introduction to Tohoku University Library

2.1 Organization	9
2.2 Rare Books Collections	9
2.3 Service	10
2.3.1 MyLibrary service (Tohoku University members only)	10
2.3.2 OPAC	12
2.3.3 Circulation	12
2.3.4 Photocopy	12
2.3.5 Interlibrary Loan	13

3 Information research in Natural science

3.1 Flow of research activity and information research	14
--	----

4 Tohoku University "Online Catalog(OPAC)"

4.1 How to input keywords	17
4.1.1 Search by bibliography or key words	17
4.1.2 Chinese letters, Em-/En-size, etc.	17
4.1.3 Truncation	17
4.1.4 Others	18
4.1.5 Logical Operation("Advanced Search")	19
4.2 Detailed information on books	20
4.3 Detailed information on journals	21
4.3.1 Display of locations	21
4.3.2 Detailed location of bindings	23
4.3.3 Detailed location of non-bindings	23
4.4 To search collections of other universities	24

5 E-journal

5.1 Database or E-journal?	26
5.2 Operation	27
5.2.1 Search Articles at publisher's websites	33
5.2.2 Contents Alert	34
5.2.3 Purchase	35

6 Databases

6.1 Web of Science	36
6.1.1 About Web of Science	36
6.1.2 Features	36
6.1.3 Operation	37
6.1.4 Relation of articles	41
6.1.5 Article relations in Web of Science	43

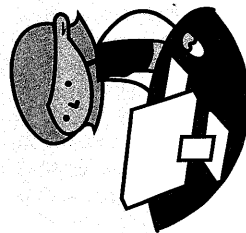
6.2 SciFinder Scholar	44
6.2.1 About SciFinder Scholar	44
6.2.2 Begin search	45
6.2.3 Literature search (Basic flow)	47
6.2.4 Search by "Research Topic"	50
6.2.5 Search by "Author"	51
6.2.6 Search by "Document Identifier"	51
6.2.7 Chemical substance search(Basic flow)	52
6.3 Medline	58
6.3.1 About Medline	58
6.3.2 Features	58
6.3.3 Keyword search using thesaurus	59
6.4 Biological Abstracts	63
6.4.1 About Biological Abstracts	63
6.4.2 Flow of search Biological Abstracts on OVID system	64
6.5 CrossFire	67
6.5.1 About CrossFire	67
6.5.2 Features	67
6.5.3 Search for Compounds	69
6.6 Other databases	72
Appendix 1 Campus map	73
Appendix 2 Library services	74
Appendix 3 Floor map	76

(Screenshots used in this guide may differ from those appearing on actual websites)

Preface

Welcome to Tohoku University!

This guide is a companion that the Tohoku University Library hopes will help you succeed in your academic endeavors. For the past several years, this guide was only available in Japanese. We are now delighted to publish a short English guide for you this year. As the number of foreign students on the Tohoku University campus increases, we would like to reach out to as many non-Japanese students as possible to further our mission: "To provide academic information to all the members of the University."



1. Universities and University libraries in Japan

1.1 Welcome to Japanese university!

In Japan, there are National, Public (Prefectural / Municipal, etc.) and Private Universities. They all have libraries of their own, and the libraries are associated with each other to act co-operatively. They make efforts jointly to provide a high quality library service, Interlibrary loans, e-DDS, online references and so on.

Number of Universities in Japan (as of 2006)

- National Univ. 87
- Public Univ. 89
- Private Univ. 568

*cf. <http://www.mext.go.jp/>

(1) National Universities : Tohoku University, Hokkaido University, University of Tokyo, Kyoto University . . .

There is one National University in each prefecture at least, including individual medical college, educational college and so on.

(2) Public Universities : Miyagi University, Tokyo Metropolitan University . . .

Self-governing body organize these universities.

(3) Private Universities : Tohoku Gakuin University, Keio University, Waseda University . . .

The Organizers of these universities are mainly individual person. Some universities were founded by corporation.