

# J-STAGE: System for Publishing and Linking Electronic Journals

Mitsutoshi Wada

Japan Science and Technology Agency, JST, Japan

## Abstract

Since 1999 Japan Science and Technology Agency (JST) has been operating J-STAGE (Japan Science and Technology Information Aggregator, Electronic), a system helping academic societies in Japan to publish their electronic journals. J-STAGE supports the entire process of online publishing: submission / reception of manuscripts, peer review, judgment, editing, and loading articles on the web site. Users can search and retrieve articles by keywords or author names, and they can view the abstracts freely. The full texts can be downloaded in PDF format.

As of the end of October 2005, 245 journals and 89 conference proceedings are currently published and about 163,000 articles are loaded on J-STAGE. Total number of accesses to every pages of J-STAGE in a month is over 1,000,000, and more than 300,000 PDFs are downloaded every month.

About half of the journals on J-STAGE are written in English, and more than 80% of the articles have English abstracts. J-STAGE is accessed from over 120 countries in the world, and about 70% of the accesses to the articles on J-STAGE come from foreign countries outside Japan.

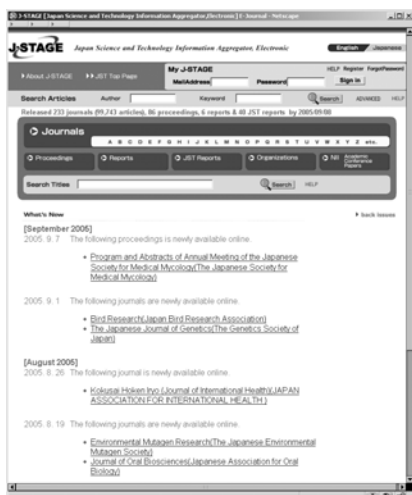
Using JST Link Center, launched in 2002, articles on J-STAGE are linked to other articles on various worldwide electronic journal sites and bibliographic databases via CrossRef, PubMed LinkOut, ChemPort, and JOISLink. More than half of the accesses to the articles on J-STAGE come through the link from other sites, especially bibliographic databases like PubMed.

In 2005, JST has begun the Back Issue Digital Archiving Initiative. JST will produce back file data back to the first issues of major academic journals in Japan.

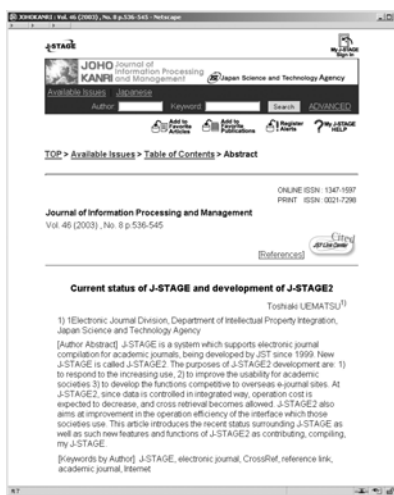
## 1. Introduction

Electronic journals have many benefits compared with printed journals. Once they are loaded on web sites, they can be accessed at any time from anywhere in the world through the Internet. Digitized articles can be searched and retrieved by keywords. Also they can be linked to / from articles on other sites.

J-STAGE (Japan Science and Technology Information Aggregator, Electronic) is a free platform of electronic journals for academic societies in Japan. It was developed and has been operated by Japan Science and Technology Agency (JST).



J-STAGE Top Page



Abstract Page of an Article

Fig. 1 Page Images of J-STAGE

## 2. J-STAGE System

J-STAGE was launched in October 1999. In order to promote digitization and publication of scientific and technical information in Japan, J-STAGE helps Japanese academic societies to create and publish their electronic journals. The system is available 24 hours a day, 7 days a week, and free of charge for academic societies to use. The system can be customized for each academic society. The copyrights of the articles on J-STAGE are still held by their academic societies. J-STAGE encourages academic community in Japan to disseminate outstanding research results to the world instantaneously.

For J-STAGE, JST gets the Japanese government budget about 1.2 billion Japanese Yen for each fiscal year. The total costs (including the systems development, maintenance, and operational costs) since 1998 is about 9.5 billion Japanese Yen.

J-STAGE supports the entire process of online publishing: submission / reception of manuscripts, peer