Consortium for e-Resources in Agriculture

(A Sub-Project under NAIP)

Unit of Simulation and Informatics
Indian Agricultural Research Institute, New Delhi-110012

2013

USER MANUAL

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CeRA – Introduction

CeRA: Consortium for e-Resources in Agriculture

- A National Consortium of Universities and Research Centers, in India in Agriculture and related sciences.
- Promoted by Indian Council of Agricultural Research (ICAR), New Delhi.
- Funded by National Agricultural Innovation Project (NAIP) , India

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Unit of Simulation and Informatics

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With the rapid growth of internet facilities and advancement of web technology, almost all reputed international journals are available on-line and can be easily accessed by researchers over the network. Since ICAR is having network connectivity across Institutes and State Agricultural Universities, selected journals could be made available over the network for the use of scientific community. Accordingly, National Agricultural Innovation Project (NAIP) has funded for establishing the Consortium for e-Resources in Agriculture (CeRA) at the Indian Agricultural Research Institute (IARI) in November 2007 to facilitate accessibility of scientific journals to all researchers/teachers in the National Agricultural Research System by providing access to journals online which is crucial for having excellence in research.

CeRA's Content Resources

CeRA currently provided access to a collection of 2,000 + Journals (Electronic + Print) from several publishers from the following sources.

- 200 + Print Journals from Designated Document Delivery Libraries
- 1800 + e-Journals from the following participating publishers.

Informatics
Springer - 70
Taylor & Francis Group - 1079
Indian Journals - 131
Annual Reviews - 22
Elsevier - 358
CSIRO - 8
Oxford University Press - 30
American Society of Agronomy - 8

Objectives of CeRA

- To upscale the existing R & D information resource base of ICAR Institutions/Universities comparable to world's leading Institutions/Organizations.
- To subscribe e-journals and create e-access culture among Scientists/Teachers in National Agricultural Research System (NARS).
- To access the impact of CeRA on the level of research publications measured through NAAS ID and Science Citation Index (SCI).

Homepage of CeRA

Fig. 1: Homepage of Consortium for e-Resources in Agriculture

CeRA, a web portal, specially designed with a motive to improve the quality of Research and Teaching in institutions, under National Agricultural Research System, which are IP authenticated can access CeRA from www.cera.jccc.in.

CeRA accessed can be via

(i) IP authentication

If the access is via IP authentication then you can view the Full Text for a particular article.

(ii) No IP authentication

It the access is not IP authenticated the Username and Password is required and user can view only Abstract for a particular article.

Apart from this the IP authenticated Institutes can also access Admin module by clicking the Admin visible on the right hand side of the Homepage and by entering the Username and Password. It will appear as following:

Fig. 2: Homepage of Admin

Fig. 3: Accession via Admin

Admin mainly provides the:

- Consortia Subscribed Journals
- Library Subscribed Journals
- Open Access Journals

Searching for Articles

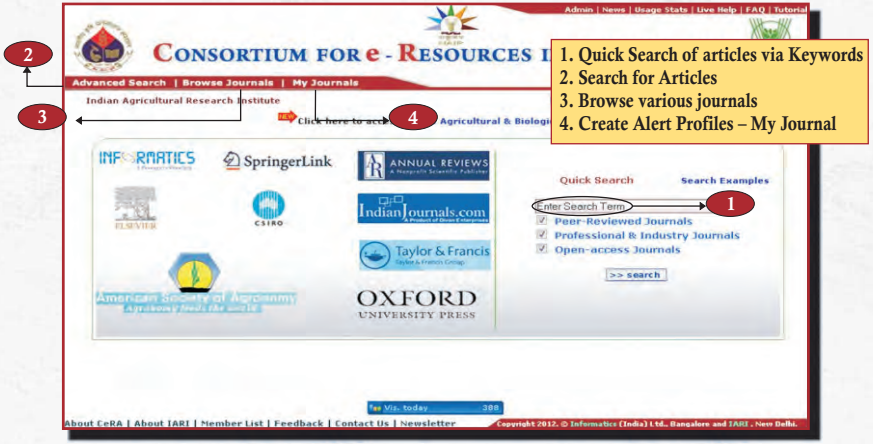


Fig. 4: Various means of searching in CeRA

CeRA can be accessed via :

1. Quick Search: It is used to search articles or journals against the search term entered in all the fields.

2. Advanced Search: It gives more searching options and is specially designed to guide you in creating a useful search.

3. Browse Journals: This helps in Browsing journals (via Title, Subject, Publisher name).

4. My Journals: This help to create an account and receive Alert mails.

1. Quick Search

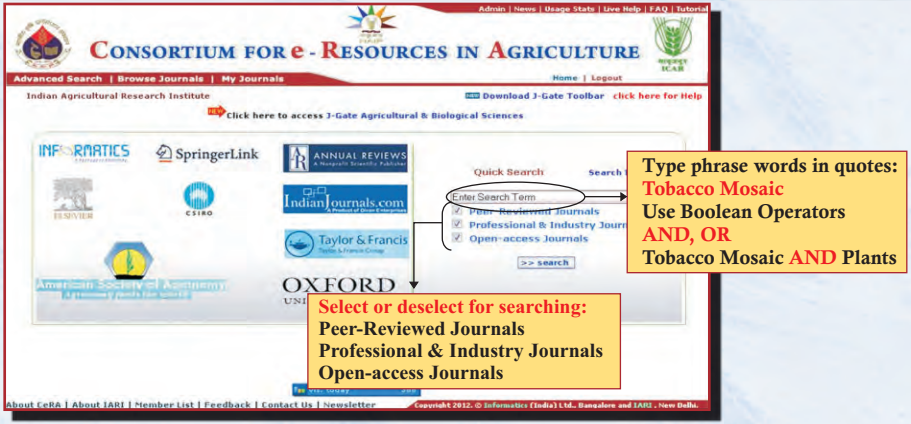


Fig. 4.1.1: How to carry out Quick Search

Quick Search can be carried out via Phrases separated by Boolean Operators. For instance we type the phrase **Tobacco Mosaic AND Plants** in the search box and click on the search tab. We can find out the related keywords by using various Boolean operators like AND, OR etc.

Fig. 4.1.2: Result page for Quick Search

Result page of the keywords searched will be in this format. It contains the total number of results to the corresponding search i.e. number of articles, period i.e. year from which that search has been done till date, number of results per page. Articles can be viewed in the form of Abstract, Full-Text and PDF File .

2. Advanced Search

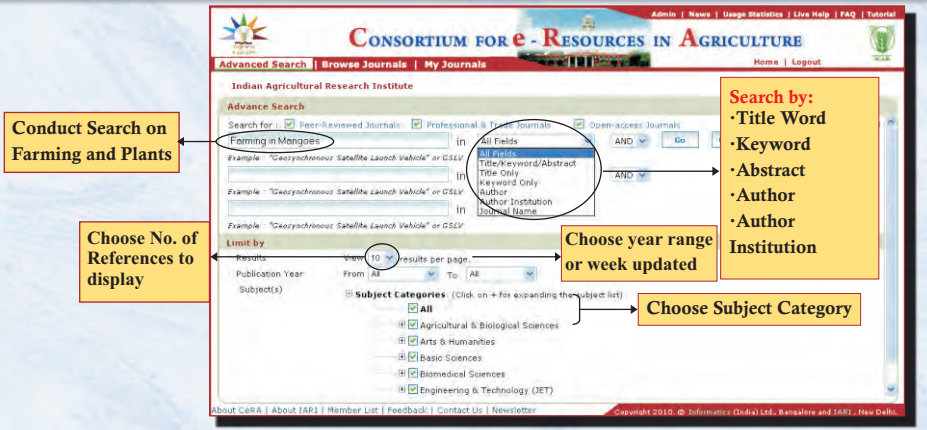


Fig. 4.2.1: How to carry out Advanced Search

Advanced Search can be carried out by writing the topic to be searched in Search for box. For e.g. ***Farming in Mangoes***. The search can be done in various fields via Title only, Keyword only, etc which can be selected from the various options available. Apart from this No. of References can also be chosen e.g.10 in this case. Various subject options are also available.

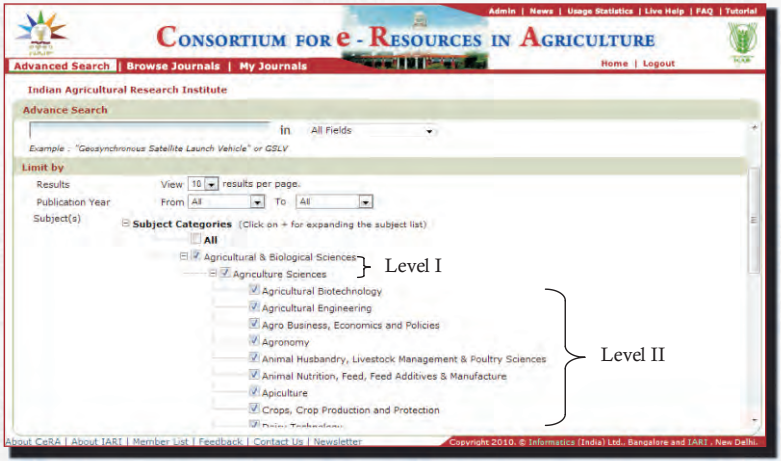


Fig. 4.2.2: Expansion of Subject Category to various levels in Advanced Searching

Advanced search can be done more precisely by selecting the subject category of user's interest at various levels being level I be the basic level which has sub-level (Level II).

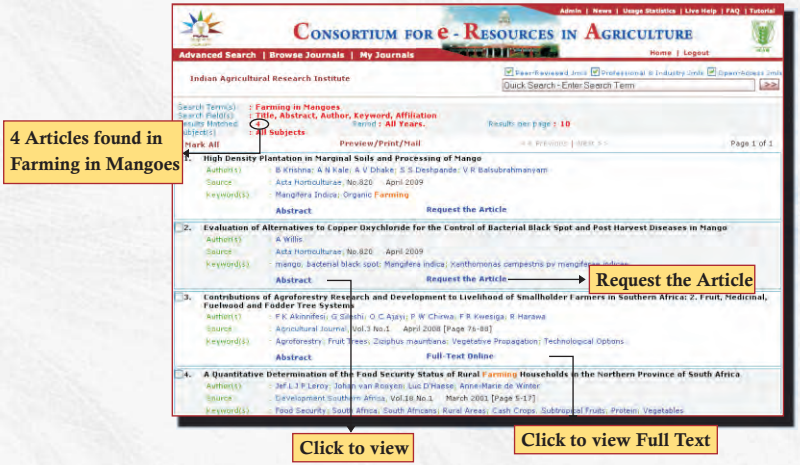


Fig. 4.2.3: Result Page of Advanced Search

The result page contains various journals. Each journal has abstract and the content is available in Full Text form or as a PDF file.

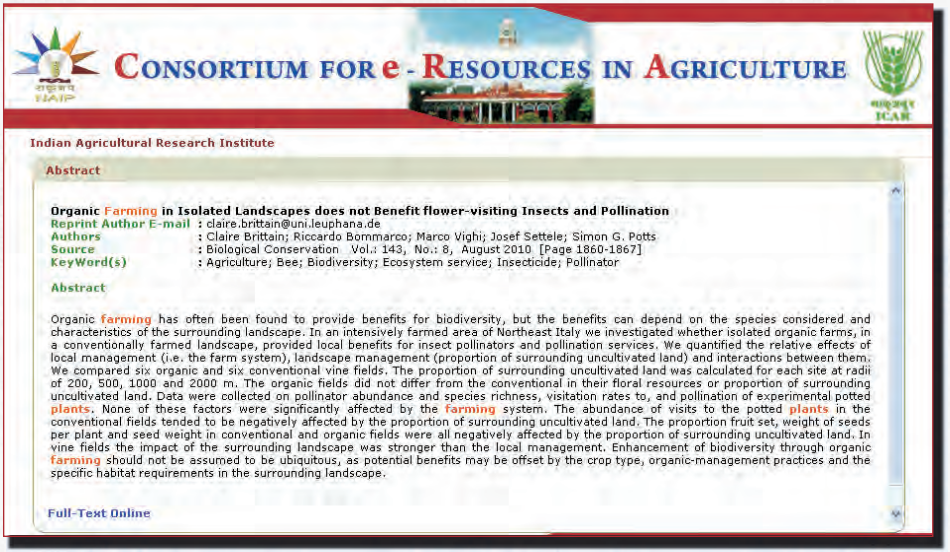
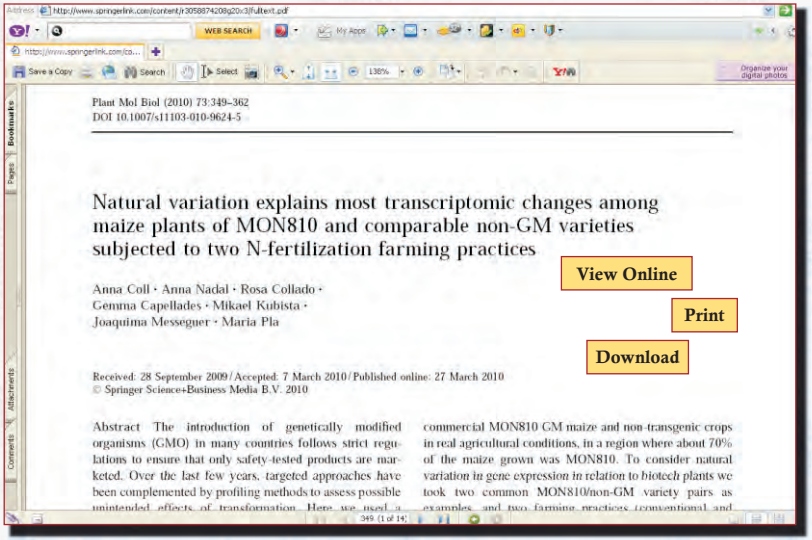


Fig. 4.2.4: To view the Full Abstract



Plant Mol Biol (2010) 73:349–362
DOI 10.1007/s11103-010-9624-5

Natural variation explains most transcriptomic changes among maize plants of MON810 and comparable non-GM varieties subjected to two N-fertilization farming practices

Anna Coll · Anna Nadal · Rosa Collado · Gemma Capellades · Mikael Kubista · Joaquima Messeguer · Maria Pla

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Abstract The introduction of genetically modified organisms (GMO) in many countries follows strict regulations to ensure that only safety-tested products are marketed. Over the last few years, targeted approaches have been complemented by profiling methods to assess possible unintended effects of transformation. Here we used a commercial MON810 GM maize and non-transgenic crops in real agricultural conditions, in a region where about 70% of the maize grown was MON810. To consider natural variation in gene expression in relation to biotech plants we took two common MON810/non-GM variety pairs as examples and two farming practices (conventional and

Fig. 4.2.5: To view the PDF File

3. Browse Journals

Fig. 4.3.1: Browsing Journals

Various Journals can be browsed from the Browse Journals option via:

- Title
- Subject
- Publisher's Name
- Latest Updates of various Journals

Browsing Journals via Title gives the list of all the title in alphabetical order, which on further click gives the Journals under that Title. The access type is also directed where

FT: Full-Text

RA: Request the Article

AL: Available in your Library

Fig. 4.3.2: Browsing by Title

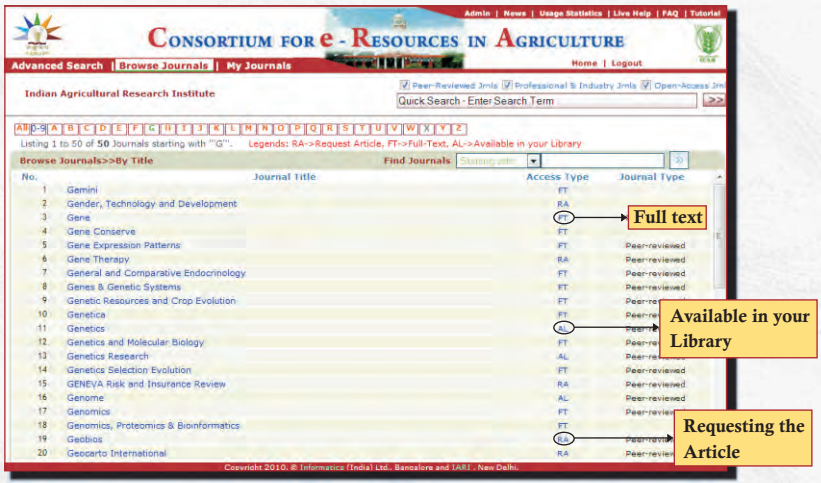


Fig. 4.3.3(a): Requesting the Article

In case the journals are not available in your library then article can be requested to particular institute in which that is available by filling and sending the form to the institutes having that article.

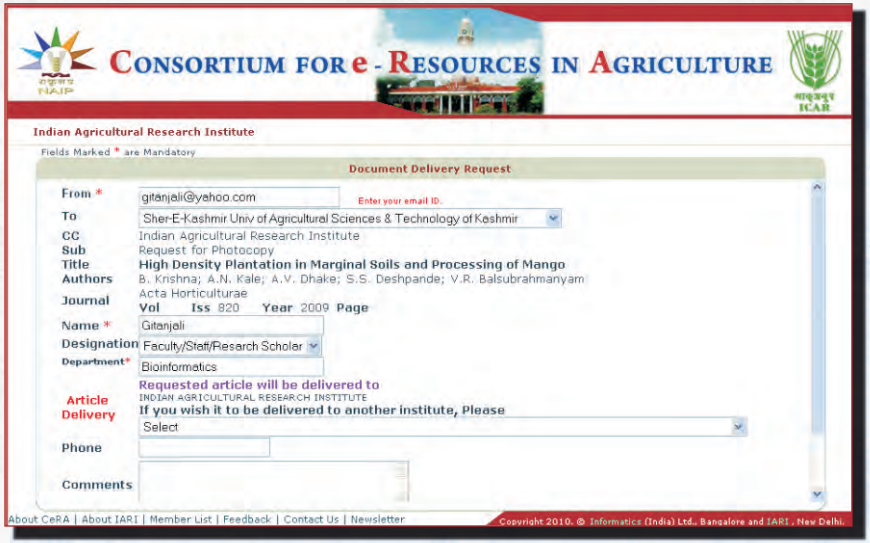


Fig. 4.3.3(b): Form containing page for Requesting the Article

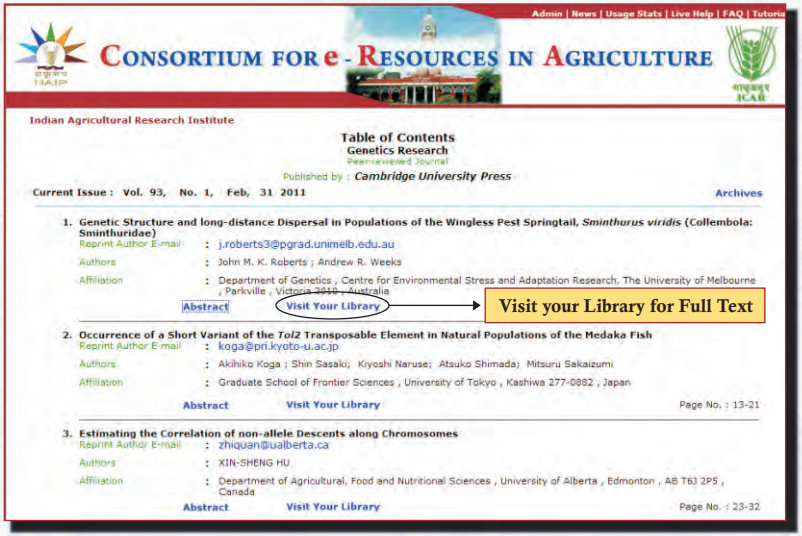


Fig. 4.3.4: Articles which are available in your Library

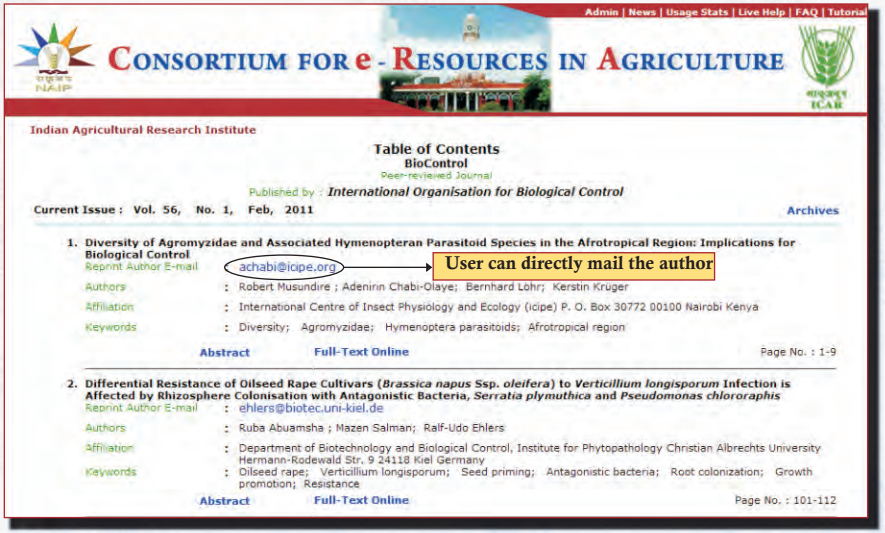


Fig. 4.3.5: Directly mailing the author of article

Fig. 4.3.6: Filtering the Journals containing the keyword Plant

Journals can be filtered out by using various keywords in the box of find journals. For e.g. Journal Title containing the word Plant can be searched from the available list of journals.

Fig. 4.3.7: Finding the Journals

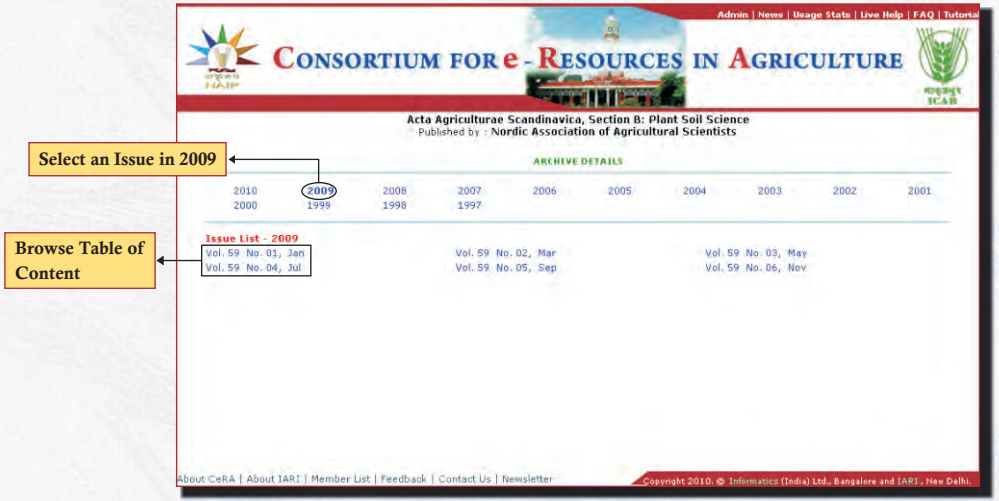


Fig. 4.3.8: Browsing of Table of Content

It provides the article of various years of particular volumes.

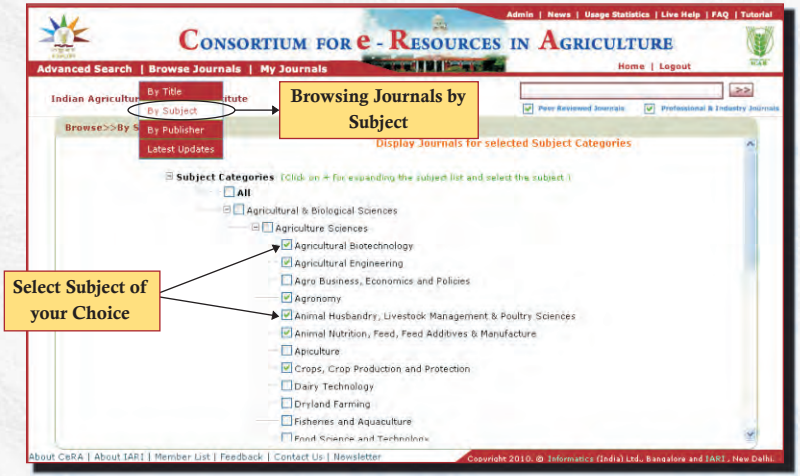


Fig. 4.3.9 (a): Browsing via Subject

It helps in searching the articles of various subjects and we can choose the subject of interest by clicking the check boxes.

Fig. 4.3.9 (b) Result page showing various journals relevant to subject selected

Fig. 4.3.9 (c): Browsing via Publisher

Articles of various subjects of a particular publisher can be searched by simply writing the name of publisher in the search box

4. My Journals

Fig. 4.4.1: My Journal – Homepage

Using my journal, user can create account and can carry out the search according to the requirement

Fig. 4.4.2: My Journal (Registration Page)

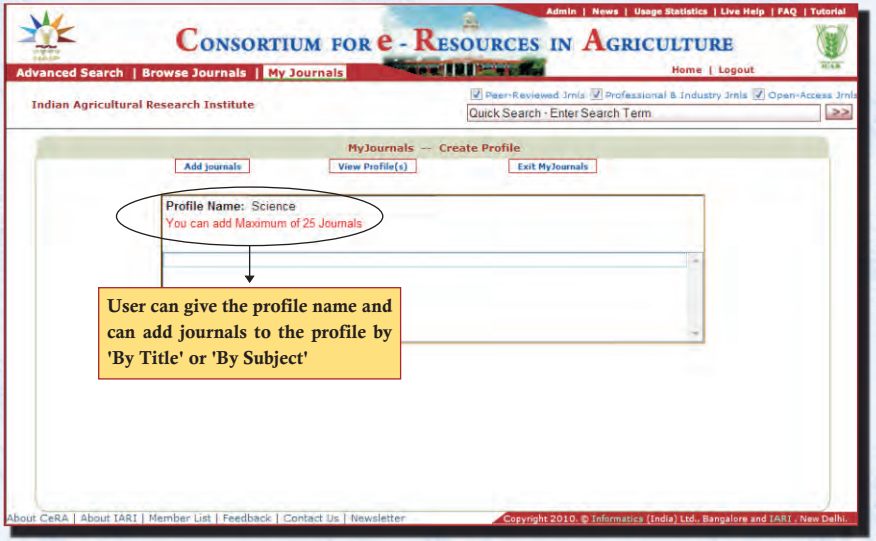


Fig. 4.4.3: To Create User Profile

Fig. 4.4.4: Adding Journals (i) By Title (ii) By Subject

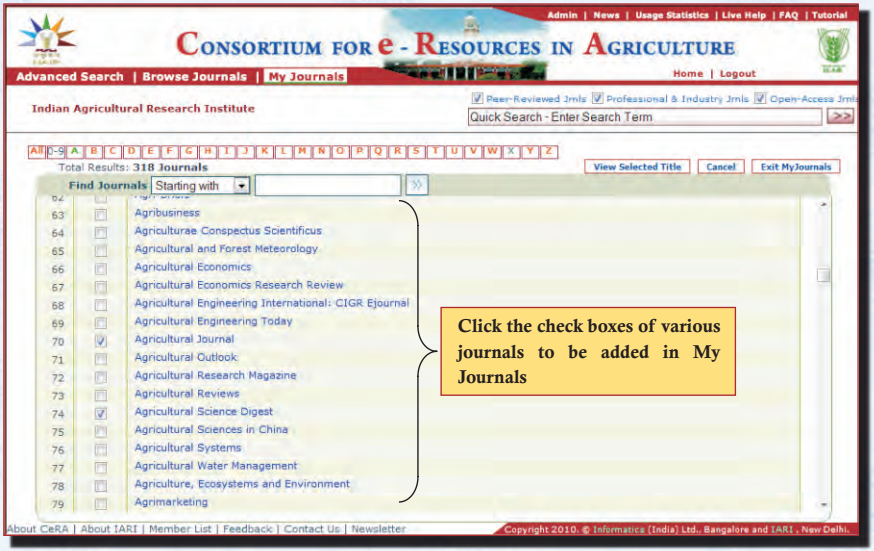


Fig. 4.4.5: Selection of Journals to be added in My Journal Profile

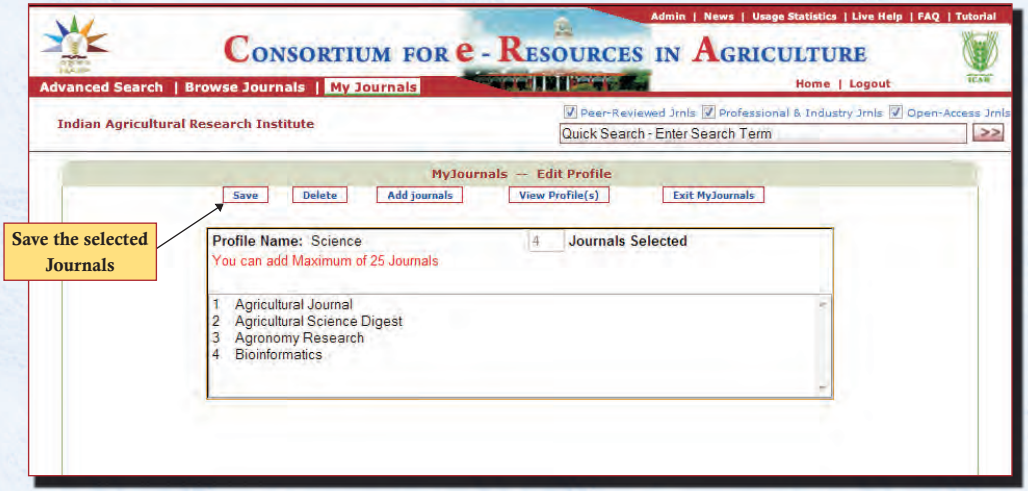


Fig. 4.4.6: Saving the selected Journals in User's Profile

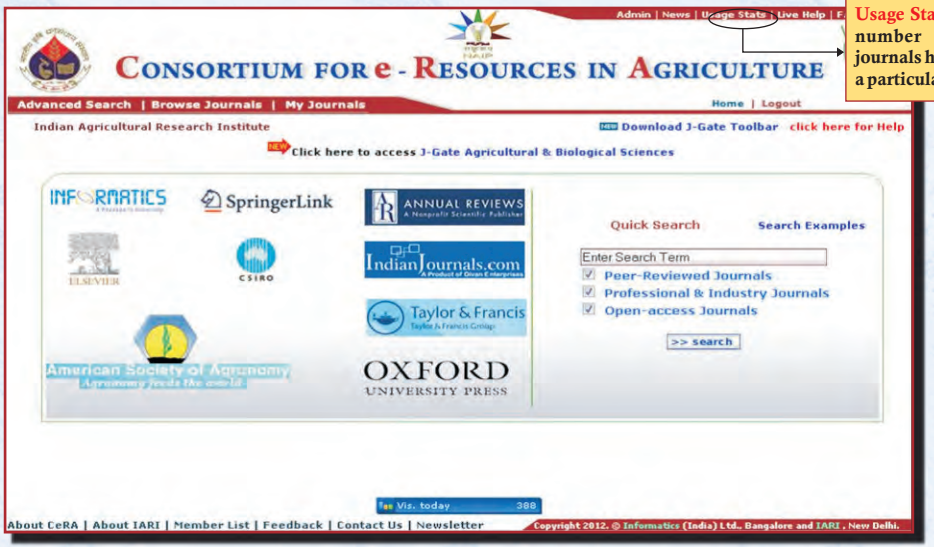
Any information related to these journals will be given by mail alerts to the user.

Fig. 4.4.7: View of Profile created

A particular user can create at the max 5 profiles. In each profile, maximum 25 journals can be added.

New Features

Fig. 5.1: New Features (News)



Usage Stats gives the value of the number of times publishers, journals have been accessed during a particular time period

Fig. 5.2: New Features (Usage Stats)

Fig. 5.3 (a): New Features (Live Help)

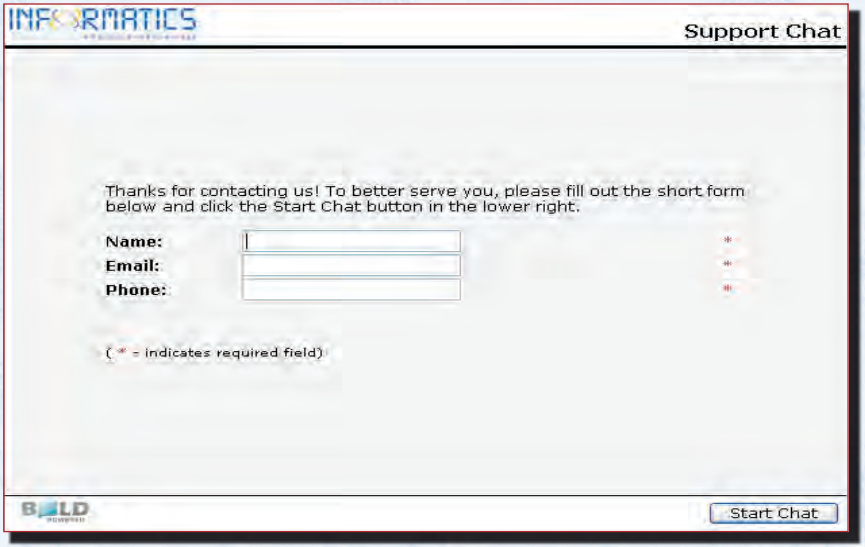


Fig. 5.3 (b): Queries can be solved with the help of Live Chat

Fig. 5.4 (a): New Features Frequently Asked Questions (FAQ)

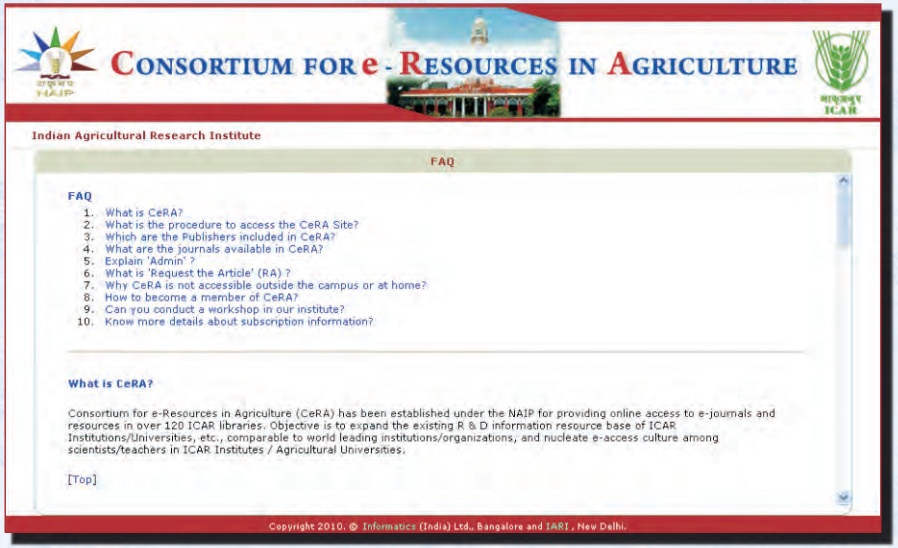


Fig. 5.4 (b): FAQ section

Tutorial is an online guide for accessing CeRA

Fig. 5.5: New Features (Tutorial)

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