

Help section of SeriPort

1. Introduction

SeriPort is a web portal developed at Bioengineering Research Laboratory, Indian Institute of Technology Guwahati (IITG), India. This portal mainly deals with the information on components of seri-ecosystem such as silkworm, host plants, pests, pathogens, etc. About 61 databases (DB) have been enlisted and made available, out of which 20 are silkworm DB, 23 are host plant DB, 01 is pest & pathogen DB and 17 are combined DB. These have been categorized based on the type of information they contain. It is expected that SeriPort will be extremely helpful to provide a common platform for the researchers working in seri-related fields to search their data of interest over internet quickly and accurately.

Home page comprises of 4 modules-Silkworm Databases, Host plant Databases, Pest and Pathogen Databases and Combined Databases. Users can directly click on the databases and obtain the information on respective databases.



Home News References Submit Data Contact Us Cite Us

 **SeriPort**
Harbouring Seri Databases

Home



COMBINED DATABASES

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Search Content
Search here...

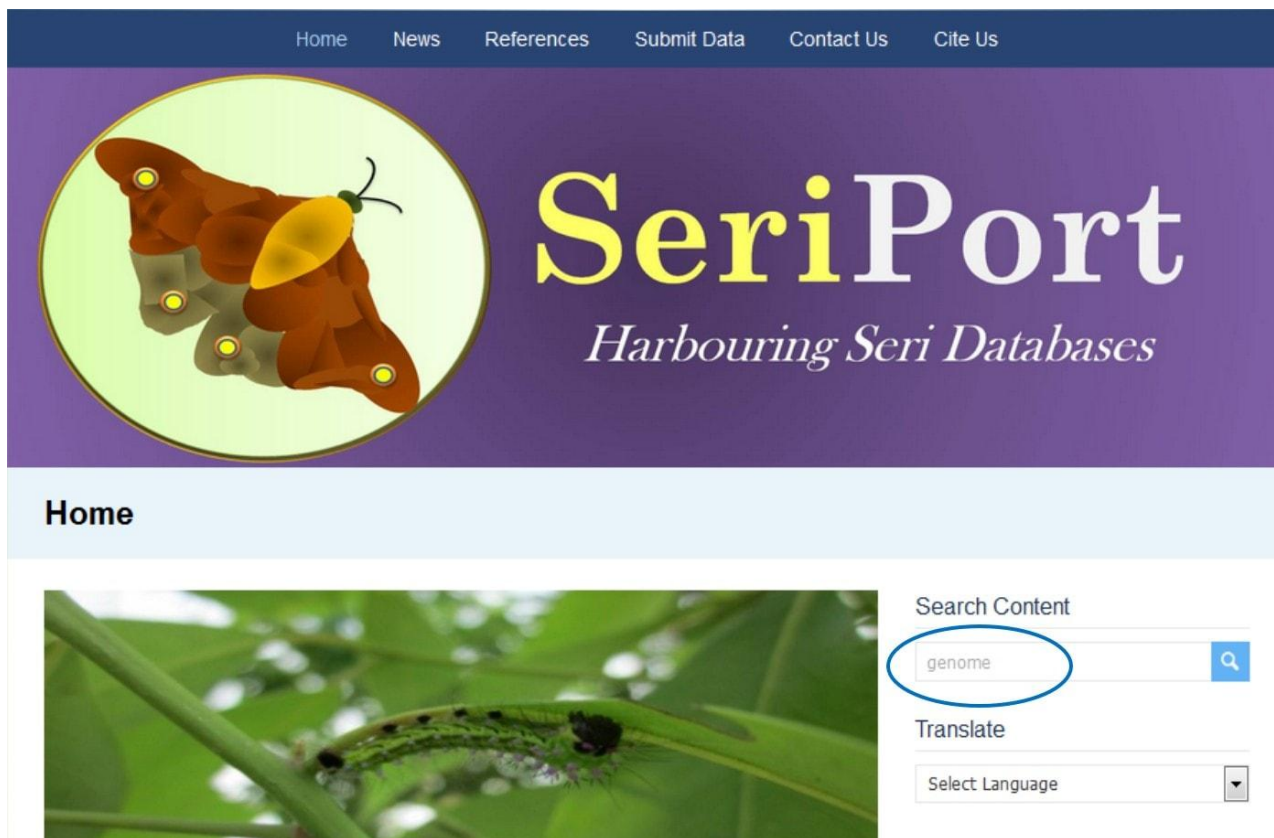
Translate
Select Language

SeriPort is a web portal developed as part of the Unit of Excellence for Senbiosciences project funded by DBT, Govt. of India, at Bioengineering Research Laboratory, Indian Institute of Technology Guwahati (IITG), India. This portal specifically provides information on the databases related to biotic components of senbiodiversity, i.e., silkworm, host plants, pests, pathogens, etc.

2. Search

"Search Content" option is provided to find any kind of database available according to the interest of the user. It can be found in any page of the website and can be searched as follows-

(i) Enter any keyword e.g. Silkworm, host plant, combined, pest and pathogen, WildSilkDB, SilkDB, MorusDB, MulSatDB, etc. Click search button or press "Enter" to obtain results



The screenshot displays the home page of the SeriPort website. At the top, a dark blue navigation bar contains the following links: Home, News, References, Submit Data, Contact Us, and Cite Us. Below this is a large purple banner featuring a circular illustration of a brown and yellow moth on the left. To the right of the illustration, the text "SeriPort" is written in a large, bold, yellow font, with the tagline "Harbouring Seri Databases" in a smaller, white, italicized font below it. Underneath the banner, a light blue bar contains the word "Home". The main content area is divided into two sections. On the left is a photograph of a green silkworm caterpillar on a leaf. On the right is a search interface with the following elements: a "Search Content" label above a search input field containing the text "genome"; a blue search button with a magnifying glass icon; a "Translate" label above a language selection dropdown menu; and a "Select Language" label above the dropdown menu.

(ii) The results for the entered keyword will be displayed as below-

The screenshot shows the top navigation bar with links: Home, News, References, Submit Data, Contact Us, Cite Us. Below is the SeriPort logo featuring a butterfly and the text "SeriPort Harboring Seri Databases". The main content area displays "Search Results for: genome" with a search bar containing "genome". It shows "Number of Results: 30" and a list of results, with the first result being "CCDB: Chinese Cassava Genome Database" by admin, dated September 20, 2015. A "READ MORE" button is visible. On the right, there are sections for "Search Content", "Translate" (with a language dropdown), and "Recent Views" (with a "Live Traffic Feed" showing visitor activity).

A short description of the database will be displayed and there is a web link provided for the respective database which will lead to the main database as shown below.

This screenshot shows the detailed page for the "CCDB: Chinese Cassava Genome Database". The navigation bar and logo are identical to the previous screenshot. The main heading is "CCDB: Chinese Cassava Genome Database". Below it, the author "admin" and date "September 20, 2015" are listed. A breadcrumb trail shows "Host Plant Databases". The description states: "Chinese Cassava Genome Database (CCDB) has information regarding genome and transcriptome data of Cassava (*Mannihot esculenta*) in different essential pathways. It was developed and maintained by Research Center for Systems and Computational Biology, Fudan University, Shanghai. The database houses 48 downloadable softwares for genome assembly." A link is provided: "For more details, please visit URL: <http://www.cassava-genome.cn/>". At the bottom, there are "Previous post" and "Next post" navigation links. The right sidebar contains the same "Search Content", "Translate", and "Recent Views" sections as the first screenshot.

3. Submit Data

Users can submit their data such as database title, link and a brief description of the same through ‘Submit Data’ option by filling up the form shown as below-



The screenshot shows the 'Submit Data' page on the SeriPort website. The navigation menu at the top includes 'Home', 'News', 'References', 'Submit Data' (highlighted with a yellow circle), 'Contact Us', and 'Cite Us'. The main header features a butterfly logo and the text 'SeriPort Harboring Seri Databases'. The 'Submit Data' section contains a form with the following fields: 'Your Name (required)', 'Your Email (required)', 'Phone Number', and 'Database Link (required)'. To the right of the form, there is a 'Search Content' box, a 'Translate' dropdown menu, and a 'Recent Views' section with a 'Live Traffic Feed' showing visitor activity.

The data submitted will be verified by the web portal administrator before it is added to the SeriPort.

4. Download

A Download option has been provided at the bottom right side of the portal to retrieve following files-

- (i) The genome, proteome and transcriptome information of the seri-resources mentioned in the SeriPort in an excel format.
- (ii) The “Help” page for Seriport navigation and search in .pdf format.

For any queries or suggestions, please contact us at seriportiitg@gmail.com.