

STICCI.eu

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STICCI.eu **Software Tool for Improving and Converting Citation Indices - enhancing uniformity**

Getting started

ISIscpus is an easy to use yet powerful and intuitive tool which provides a clear and efficient user interface to convert databases coming from the most important citation indexes (ISI Web of Science and Scopus) from a single txt file to a simple txt file. It allows the user to convert, clean, purge and homogenize the data inside the database in a very effective and useful manner.

This help documentation is designed to [welcome](#) you, so you can quickly learn STICCI.eu as a new user or enhance your knowledge as a regular user.

The main highlights of STICCI.eu are the following:

- STICCI.eu is a Software Tool for Improving and Converting Citation Indices - enhancing uniformity
- STICCI.eu is able to do conversions between bibliographical citation formats (WoS, Scopus, BibTeX, RIS format, CSV)
- It corrects mistakes in databases, detecting duplications, misspellings, name variants, etc.
- STICCI.eu detects and transforms the complete or abbreviated titles of the journals
- It also homogenizes toponymical names of countries and relevant cities or regions

All the news and updates can be easily found at www.sticci.eu

Introduction



Introduction

Bibliometrics and citation analysis have become a very important science lately. Their main sources are citation indices, which are **bibliographic databases** like:

- Web of Science (WoS),
- Scopus,
- Google Scholar,
- PubMed, etc.

However, bibliographical databases **lack perfection and homogenization**. There are several software tools that perform useful bibliometric analysis importing data from them. Usually, they are not strong enough to detect all the duplications, mistakes, misspellings and variant names, leaving the user with the tedious and time-consuming task of correcting the data. Furthermore, some of the programs do not import datasets from different citation indices and are limited to the information gathered by only some of them (usually, WoS).

A new software tool, called **STICCI.eu (Software Tool for Improving and Converting Citation Indices - enhancing uniformity)**, has been created to solve these problems in an effective and simple manner. STICCI.eu is able to

- do conversions between bibliographical citation formats (WoS, Scopus, BibTeX, RIS format, CSV),
- correct the usual mistakes appearing in those databases,
- detect duplications, misspellings, etc.,
- detect and transform the complete or abbreviated titles of the journals and
- homogenize toponymical names of countries and relevant cities or regions.

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Welcome



Welcome to STICCI.eu!

Please, find free to browse by the different topics of this documentation.

New to HelpNDoc

- Read the [Introduction](#) section to know more about STICCI.eu, its different editions and system requirements.

- Follow the [How to use STICCI.eu](http://www.sticci.eu) to familiarize yourself with the processes of creating and generating your documentations.

Regular user of older HelpNDoc versions

- Read the [What's new](#) section to have a quick look at major changes and to familiarize yourself with the new version.
- You can easily [Contact](#) us if you need:
 - support, asking any question (not included in this guide)
 - reporting bugs and errors,
 - giving your point of view,
 - advising,
 - making suggestions,
 - making a donation

All the news and updates can be easily found at www.sticci.eu

Start Searching!

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What's new



What's New?

Everything is new! We are still in version 1.2 (July 2013), so there are many things to check, to correct, to improve and to add in order to have a really nice tool to convert and purge databases.

Do you want to help us? In that case, feel free to [contact us](#) and give us your point of view, advice, suggestion... or donation!

All the news and updates can be easily found at www.sticci.eu

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System requirements



System Requirements

This software tool has been programmed in C# (Framework 2.0). This allows the tool to run on any version of the operating system Windows XP or later, and in 32 or 64-bit.

There is no need of installation, it contains:

- an executable file (.exe),
- a dynamic-link library (.dll)
- Microsoft Compiled HTML Help file (.chm).

The whole packet is very light, occupying less than 2 Mb (without considering the datasets with the titles of the journals and the toponymical names that can be increased according to the user needs).

Recommended system configuration for STICCI.eu includes:

- Windows XP or later, in 32 or 64-bit.
- 512 MB of RAM
- 5 MB of free disk space
- 800 x 600 screen resolution or higher

How to use STICCI.eu



STICCI.eu Software Tool for Improving and Converting Citation Indices - enhancing uniformity

How to use STICCI.eu

The final user of this tool will interact with the application by means of a friendly graphical interface. It works in only **four sequential steps**, which makes it easy and intuitive. In any case, when passing the cursor over any button, without clicking it, a **descriptive note** or “**hover box**” with information about the functionality of that item appears automatically (**tooltip**).

Workflow of the application

- Step 1: [Selecting input file](#)
- Step 2: [Searching similarities](#)
- Step 3: [Selecting similarities to apply](#)
- Step 4: [Exporting output file](#)

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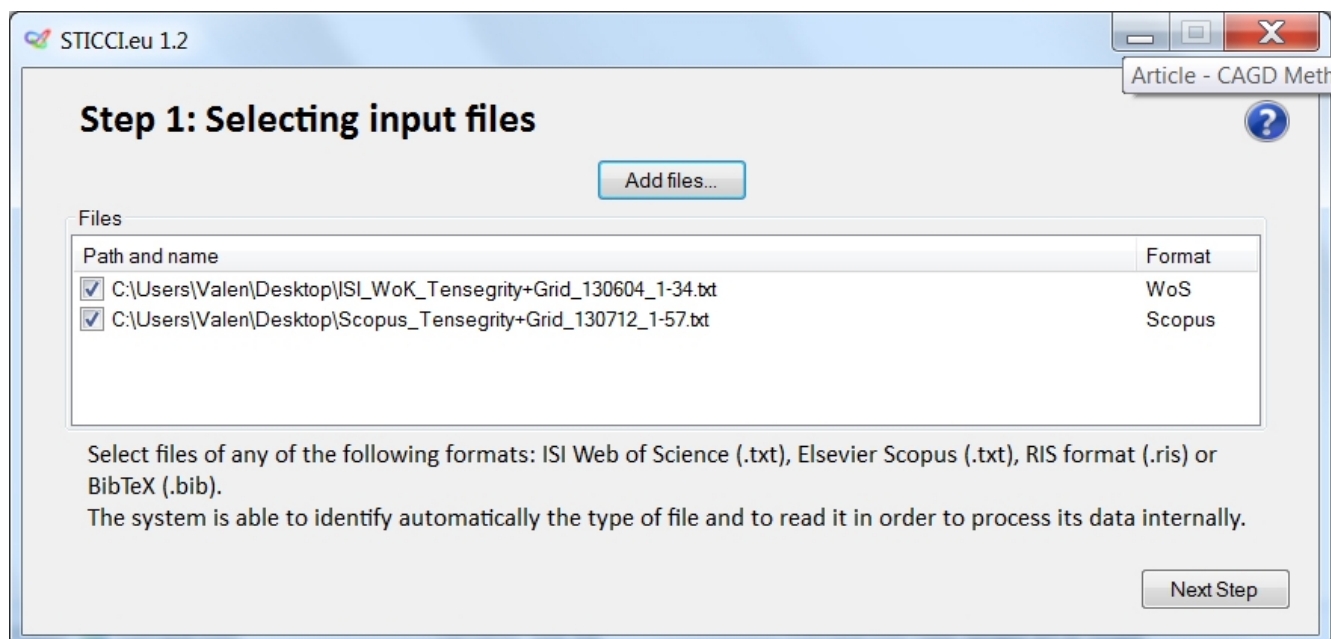
Step 1: Selecting input file



Step 1: Selecting input file

When launching the program, in Step 1, it just requires the user to select the files to work with. The system is able to read, in this version, some different types of text files, exported either from WoS, Scopus, BibTeX, RIS format or CSV. When loading it, the program automatically identifies which of those is the original format of the file.

If the software finds some repeated records that are duplicated as they come from different sources, it will ask the user if it is desirable to merge them into a unique record. It also gives the option of deciding the contents and the format of the record to be kept in the internal database.



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Step 2: Searching Similarities



Step 2: Searching similarities

When accepting the loaded file, the user will find in Step 2 another simple interface that will permit several operations to be selected that the user could accomplish, in a simple and intuitive manner. The different options and performances made by the software (explained above) could be selected or not depending on the preferences of the user: Search similarities by Citing author, Cited author, Full citation, Journal title or Toponymical variants.

Step 2: Searching similarities

Citing authors

Minimum Similarity [MS] (%): 80,0

Maximum Length Difference [MLD] (%): 20,0

Number of starting letters [NSL]: 0

Show results

Cited authors

Minimum Similarity [MS] (%): 80,0

Maximum Length Difference [MLD] (%): 20,0

Number of starting letters [NSL]: 0

Show results

Journals: Full title / Abbreviated title

External journals

C:\Users\Valen\temp\Journals_JCR_abbreviated.txt

Search

In case a journal matches any item on the list of journals, use: Full title ☒ Abbreviated ☐

Minimum Similarity [MS] (%): 90,0

Maximum Length Difference [MLD] (%): 20,0

Show results

Full citations

Minimum Similarity [MS] (%): 90,0

Maximum Length Difference [MLD] (%): 20,0

Number of Starting Letters [NSL]: 2

Show results

Toponymical names

C:\Users\Valen\temp\Toponyms.txt

Search

Minimum Similarity [MS] (%): 90,0

Maximum Length Difference [MLD] (%): 20,0

Show results

Ranking merging

Show

Prev. Step

Next Step

STICCI.eu lets the user to select three parameters in order to customize that search:

MS = Minimum similarity (%): it defines the percentage of characters of two strings that must be equal (in type and position) to trigger the similarity flag.

MLD = Maximum length difference (%): it defines the percentage of difference in length of two strings to trigger the similarity flag.

NSL = Number of starting letters of a field concurring in different entries: It limits the comparisons only between entries whose fields share their first N number of letters (2 by default). This option reduces drastically the runtime for large datasets. If more accuracy is needed, this limit can be set to a lower amount of letters or it can be even set to zero in order to disable it.

Abbreviated titles of Journals

STICCI.eu gives the option of homogenizing the names of the sources if they are indexed journals of accessible databases. For instance, if in the field Source, a certain record has the name of the journal in an incorrect manner, it is possible to automatically substitute this entry by the accepted name in the JCR (Journal Citation Reports).

Journals: Full title / Abbreviated title

External journals

C:\Users\Valen\TENSEGRIDAD\Doctorado\Bibliography\Biblior

Search

In case a journal matches any item on the list of journals, use: Full title ☒ Abbreviated ☐

Minimum Similarity [MS] (%): 90,0

Maximum Length Difference [MLD] (%): 20,0

Show results

Variants of toponymical names

STICCI.eu also offers the possibility of homogenizing variants of toponymical names (referring to countries and relevant cities or regions). Most of these inconsistencies are due to the different languages in which they are written or to orthographical symbols like accents or dieresis.

Toponymical names

Upload file for additional toponymical names (optional)

Search

Minimum Similarity [MS] (%): 90,0

Maximum Length Difference [MLD] (%): 20,0

Show results

Step 3: Selecting similarities to apply



Step 3: Selecting similarities to apply (Citing authors / Cited authors / Full citations)

Each one of those searches will lead to Step 3, where the user will be able to define which similarities must be combined and in which style. In the particular case of the search of similarities among full citations, the selection could be independent for each different field (author, title, source, volume or year). As explained above, in this window, visual tools, by means of colors, will help the user to locate the most feasible similarities (in blue), and the more ambiguous (in red), depending on the partial and total counters of each coincidence.

STICCI.eu 1.2

Step 3: Selecting potential matches to apply (Citations)

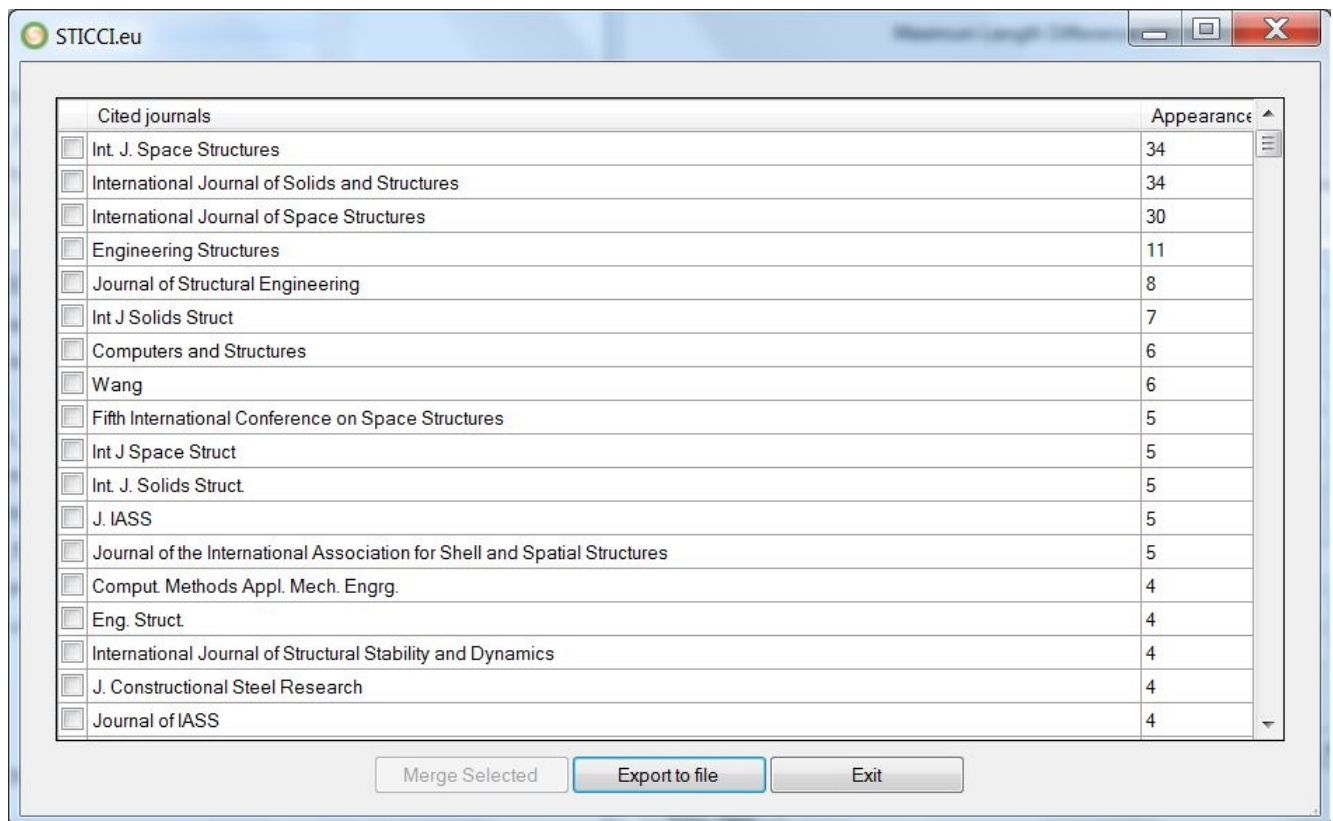
STICCI.eu 1.2 - Total citations: 798 - Different citations: 705 - Analyzed: 584 - Matches: 121 - Time required: 0:38

Author	Tot	Par	Title	Tot	Par	Source	Tot	Par	Ye	Par	Vol	Par	Iss	Par	Doi	Tot	Par
<input checked="" type="checkbox"/> Gurdal ...	2	2	<input checked="" type="checkbox"/> Elements of Structural Optimization	1	1	<input checked="" type="checkbox"/> 1... 2											
			<input type="checkbox"/> Elements of structural optimization	1	1												
<input checked="" type="checkbox"/> Hanaor ...	40	2	<input checked="" type="checkbox"/> Preliminary investigation of double-la...	1	1	<input checked="" type="checkbox"/> Proceedings of Intern...	3	2	<input checked="" type="checkbox"/> 1... 2								
			<input type="checkbox"/> Preliminary Investigation of Double-L...	1	1												
<input checked="" type="checkbox"/> Hanaor ...	40	3	<input checked="" type="checkbox"/> Double layer tensegrity grids as depl...	3	3	<input checked="" type="checkbox"/> Int. J. Space Struct	3	2	<input checked="" type="checkbox"/> 1... 3	<input checked="" type="checkbox"/> 8	<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 1... 1					
			<input type="checkbox"/> Int. J. of Space Struct...	1	1												
<input checked="" type="checkbox"/> Hanaor ...	40	6	<input checked="" type="checkbox"/> Aspects of design of double-layer te...	5	5	<input checked="" type="checkbox"/> International Journal ...	38	4	<input checked="" type="checkbox"/> 1... 5	<input checked="" type="checkbox"/> 7	<input checked="" type="checkbox"/> 6	<input checked="" type="checkbox"/> 2	<input checked="" type="checkbox"/> 6				
			<input type="checkbox"/> Aspect of Design of Double-Layer T...	1	1	<input type="checkbox"/> Int. J. Space Structures.	1	1	<input type="checkbox"/> 1... 1								
			<input type="checkbox"/> Int. J. Space Structures	34	1												
<input checked="" type="checkbox"/> Hanaor ...	40	4	<input checked="" type="checkbox"/> Developments in tensegrity systems...	5	4	<input checked="" type="checkbox"/> Proceedings of the 4t...	2	2	<input checked="" type="checkbox"/> 1... 4								
			<input type="checkbox"/> Proceedings of the F...	1	1												
			<input type="checkbox"/> Proc. 4th Conference ...	1	1												
<input checked="" type="checkbox"/> Hanaor ...	40	2	<input checked="" type="checkbox"/> Tensegrity: Theory a...	1	1	<input checked="" type="checkbox"/> 1... 1											
			<input type="checkbox"/> Tensegrity Theory an...	1	1	<input type="checkbox"/> 1... 1											
<input checked="" type="checkbox"/> Hanaor ...	40	5	<input type="checkbox"/> Double-layer tensegrity grids: static l...	1	1	<input type="checkbox"/> Journal of structural e...	2	1	<input checked="" type="checkbox"/> 1... 5	<input checked="" type="checkbox"/> 117	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 6	<input checked="" type="checkbox"/> 4				
			<input type="checkbox"/> Double-layer tensegrity grids: Static l...	1	1	<input checked="" type="checkbox"/> Journal of Structural E...	8	2									
			<input type="checkbox"/> Double-layer tensegrity grids: Static l...	1	1	<input type="checkbox"/> J. Structural Engineeri...	3	2									
			<input type="checkbox"/> Double-layer tensegrity grids: Static l...	1	1												
			<input checked="" type="checkbox"/> Double-layer tensegrity grids: Static l...	1	1												

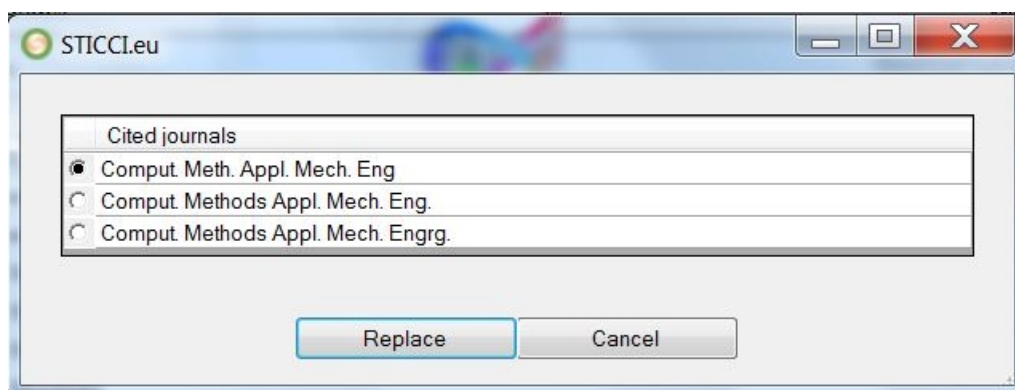
Cancel Clean Reset Discard red entries Apply changes

Ranking Merging

After applying all the changes done automatically by the system and refined by the user, the interface of Step 2 is displayed again, where it is possible to do as many additional searches and combinations as desired. A powerful tool is the so-called "Ranking Merging", where the user can see the ranking of the most common attributes (cited authors, journals, full citations, etc.) and merge those who can easily be detected as being the same one.



After the selection of several items to be merged, the following window will be shown:

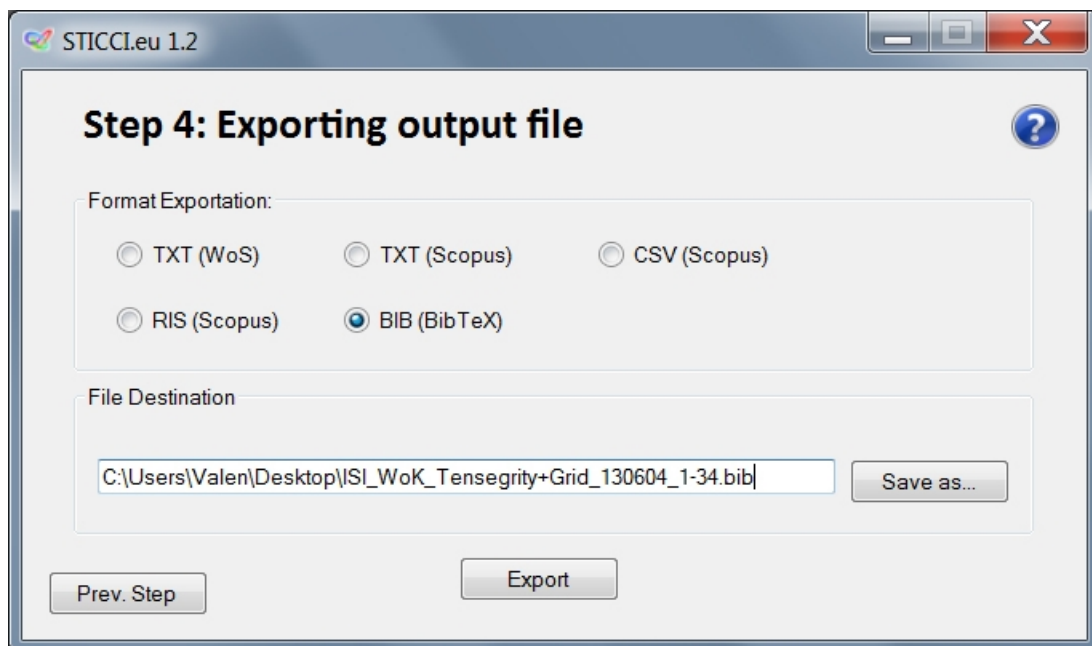


Step 4: Exporting output file



Step 4: Exporting output file

Once the selection is done and the user approves all the purging and merging done during the previous process, in the final window, Step 4, it is possible to decide the output format of the clean and homogenized dataset: WoS, Scopus, BibTeX, RIS format, CSV. Finally, in addition to the output file, already clean, purged and corrected, the program generates also a log file with an excerpt of the corrections made, the merged entries and the de-duplicated records.



Contact



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Contact

Feel free to contact us if you have any of the following needs:

- asking any question (not included in this guide)
- reporting bugs and errors,
- giving your point of view,
- advising,
- making suggestions,
- making a donation

Web

www.sticci.eu

Email address:

sticci.eu@sticci.eu

FAQ and troubleshooting



STICCI.eu **Software Tool for Improving and Converting Citation Indices - enhancing** **uniformity**

FAQ and troubleshooting

- Why Sitkis does not recognize the file exported by STICCI.eu in WoS format?

KNOWN ISSUES OF SITKIS: Sitkis does not process some of the fields when they have more than 50 characters (e.g. Title or Source). This issue can be solved changing the length of the corresponding field in the Microsoft Access file used by Sitkis as a template for importing the converted entries.

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