

CrossRef Workshop on Good Practice Publishing Vilnius, Lithuania June 2015



CrossCheck

Scanning for plagiarism by detecting
duplication

THE PROBLEM

Plagiarism and unauthorised copying

- Common unethical behaviour:
 - Copying another person's work without attribution
 - Republishing without acknowledgment of the original
- Wastes the time of readers, reviewers, editors
- Fails to give credit to the original authors
- It is fraud !

Why do we need plagiarism checks?

- International Standards for authors
 - “Researchers should adhere to publication requirements that submitted work is original, is not plagiarised, and has not been published elsewhere.”
Committee on Publication Ethics (COPE) 2010.
<http://publicationethics.org/resources/international-standards>
- But
 - There appears to be an increase in plagiarism and duplicate publication

Why is there an apparent increase in plagiarism?

- Increased pressure to publish (fraud)
- Increasing numbers of researchers without suitable training (ignorance)
- Misplaced respect of other work (ignorance)
- Difficulties in writing in English (or other language) (ignorance)
- Easy to copy another online work (fraud)
- Better systems to discover plagiarism!

THE CROSSREF SOLUTION: CROSSCHECK

The life of CrossCheck

- 2006:
 - CrossRef board raises plagiarism as area of concern
- Late 2007/early 2008:
 - pilot with seven publishers and technology partner (iParadigms)
- June 2008:
 - CrossCheck launched

CrossCheck statistics

- 667 publishers
- Over 43 million content items indexed
 - 118,000+ titles
- 250,000+ manuscripts being uploaded every month
- Title and member list on the CrossRef website

Why not use search engines?

- Why not use Google / Bing / PubMed etc. to check text?
 - Cannot paste in all the text (word limits)
 - Too many results?
 - Cannot always reach the “duplicated” text to investigate fully
 - Perhaps behind a paywall, or archived offline
 - No reporting support

HOW CROSSCHECK WORKS

What is behind CrossCheck

- iThenticate software (from iParadigms)
 - Good reputation, used by academic institutions
 - Good reporting outputs

What is checked

- The CrossRef database
 - Members' content
 - more publishers = more content in that database
- The Internet
 - Current and archived pages
- Online and offline databases (via iThenticate)
 - Including large databases from EBSCO, Gale, etc.

How CrossCheck works

Your document

Examined through the creation of commercial shops where goods could be bought in remote areas at cheaper prices. Magistrate in the conventional trading chain on the MCHN shops as competitors and consequently referred to by the local courts. In response, the business requested that MCHN high commissioning.

The international marketing chain system for area, but as a village commissioning of local courts a development will be small quantities of international courts offered to local groups. There are five buyers for courts, leaving for their agents. Magistrate's commissioning completion about buyers' entire grading and weighing process. Village intermediaries will be these courts which transport the beans to an area trader or will directly to an urban wholesaler if he is near enough to a court. Larger volume groups (transportation) will directly to agents, but disadvantaged smallholder producers in remote areas are subject to the full marketing chain. There is a large number of intermediaries controlling the market in remote areas from rural areas of Collins and Lane (2005).

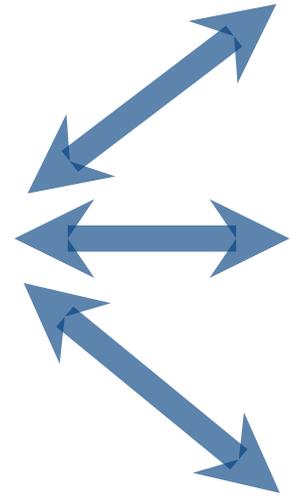
In the official Magistrate's commissioning trader's commissioning process a professional commissioning trader's commissioning who belong to affiliated power associations. To become official commissioning trader's commissioning must also, should be well organized and as members should be aware of the importance of their own commissioning. It is Magistrate's commissioning for their own and they are responsible for grading and weighing the beans and paying professional services to commissioning trader's commissioning. Magistrate checks the scale regularly for accuracy and the process is present or weighing. The Magistrate's trader's commissioning farmers, direct, sort and bag the beans. Magistrate in rural intermediaries also has responsibility for transporting the beans. In other higher volume Magistrate also has been found practice or non-participating process.

Magistrate's profile are intended in the company, or an aid to local farmer training and provide accurate information. Magistrate's commissioning participation in commissioning. There is four reports in MCHN Magistrate has become one of the top five commissioning cover experience. Magistrate's commissioning higher average export prices than the competition because it concentrates on higher quality beans and equally directly to domestic manufacturers in Europe of Collins and Lane (2005). The skill of the Magistrate's commissioning average should also not be the same as the other.

Magistrate has 12 main clients in North America and Europe, and sells to five trade houses. Besides in the conventional market, and more recently directly to domestic manufacturers. The vast majority of the volume is sold to conventional markets.

Magistrate has been operating in Malindi de Bora, a province in the Malindi region of Kenya East Africa, since the 1980s. Magistrate has sold with beans since its start.

iThenticate



cross check



arXiv.org
EBSCO HOST
PubMed
GALE CENGAGE Learning

My Documents Documents | Sharing | Settings | Resubmit page 1 of 1

<input type="checkbox"/>	Title	Report	Author	Processed ↓	Actions
<input type="checkbox"/>	Example Article Number One 1 part - 8,274 words	59%	S. Smith	02/09/09	
<input type="checkbox"/>	Example Article Number Three 1 part - 6,983 words	68%	B. Book	02/09/09	
<input type="checkbox"/>	Example Article Number Two 1 part - 3,187 words	7%	J. Jones	02/09/09	

page 1 of 1

Produces a report for each of your documents ...

Important note !

- Plagiarism is the theft of ideas
 - Reproducing content without attribution
- “Plagiarism-checking” systems cannot identify ideas
 - They identify similar text
 - which might be properly credited
 - They do not identify figures or translated text
 - which might be plagiarised/copied without attribution

So, remember the limitations

- It won't find images
- Or graphs
- Or tables
- Or formulae
- ... or translations
- ... or ideas

- A human must make the final decision

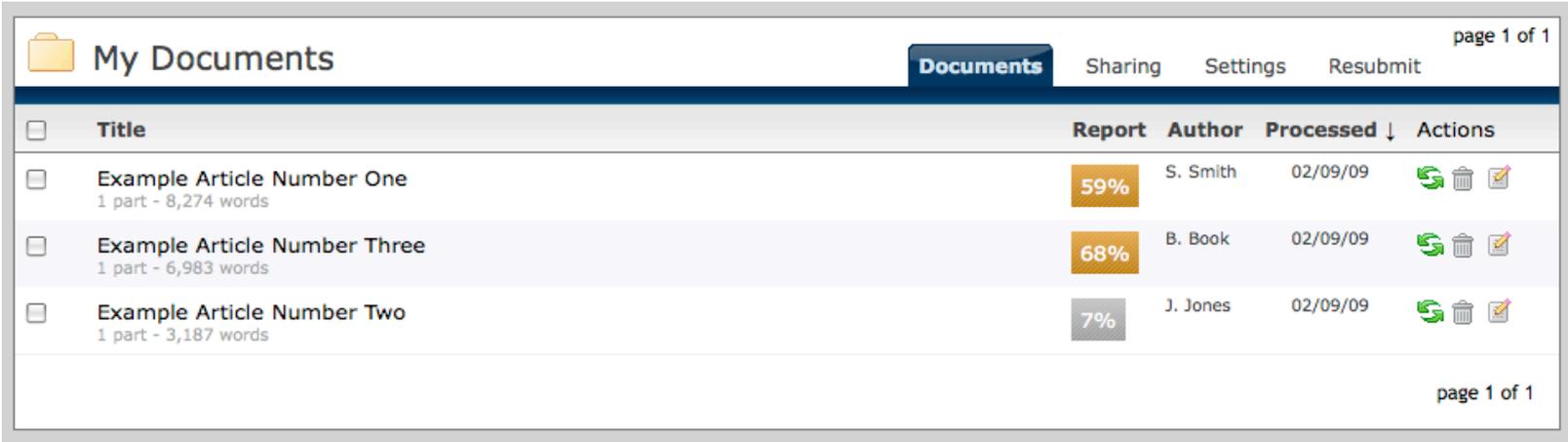
USING CROSSCHECK

How to use CrossCheck ...

- You upload your document
 - You can upload a zip folder (containing several articles)
 - You can upload Word, PDF, HTML, and many other formats
- CrossCheck returns a report
- You investigate
- You make a decision

What level of match is a problem?

- The percentage is a crude indicator
 - It may be justified reproduction of content

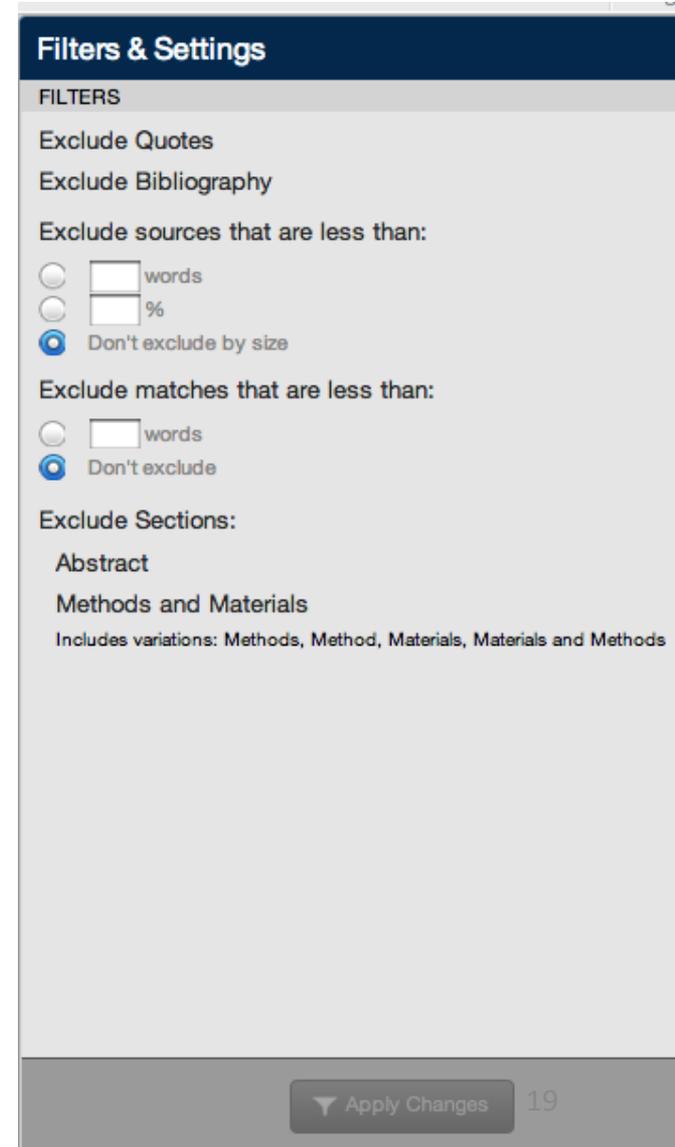


The screenshot shows a web interface titled "My Documents" with a "Documents" tab selected. The interface includes navigation links for "Sharing", "Settings", and "Resubmit". A table lists three documents with their respective match percentages, authors, and processing dates. Each document row includes a checkbox, a title, a word count, a match percentage, an author name, a date, and a set of action icons (refresh, delete, and checkmark).

<input type="checkbox"/>	Title	Report	Author	Processed ↓	Actions
<input type="checkbox"/>	Example Article Number One 1 part - 8,274 words	59%	S. Smith	02/09/09	
<input type="checkbox"/>	Example Article Number Three 1 part - 6,983 words	68%	B. Book	02/09/09	
<input type="checkbox"/>	Example Article Number Two 1 part - 3,187 words	7%	J. Jones	02/09/09	

Narrow your searches ...

- You can choose to exclude
 - Quotations
 - Bibliography/references
 - Small sources or matches
 - Sections
 - e.g. exclude the Materials and Methods section



The screenshot shows a 'Filters & Settings' panel with the following options:

- FILTERS**
- Exclude Quotes
- Exclude Bibliography
- Exclude sources that are less than:
 - [] words
 - [] %
 - Don't exclude by size
- Exclude matches that are less than:
 - [] words
 - Don't exclude
- Exclude Sections:
 - Abstract
 - Methods and Materials
 - Includes variations: Methods, Method, Materials, Materials and Methods

At the bottom right, there is an 'Apply Changes' button and the page number '19'.

Similarity report

Mar 12, 2012 8:11 AM PST 6,723 words • 230 matches • 3 sources

FAQ Paper 1 of 1

iThenticate® Relation of Mass to Diameter in Neutron Stars BY BARBARA ASANOV Quotes excluded 37% Bibliography included 37%

Relation of Mass to Diameter in Neutron Stars

B. Asanov

The combination of the radius and the mass of a star determine its surface gravity. Giant stars have a much lower surface gravity than sequence stars, while the opposite is the case for degenerate stars such as white dwarfs. The surface gravity can influence the appearance of a star's spectrum, with higher gravity causing a broadening of the absorption lines.

Stars are sometimes grouped by mass based upon their evolutionary behavior as they approach the end of their nuclear fusion lifetimes. Very low mass stars with masses below 0.5 solar masses do not enter

Match Overview

1	Internet 475 words Placed on 02-Sep-2011 citeulike.org	16%
2	CrossCheck 251 words Matthias D. "Review of the observational research in (sub)tropical regions", International Journal of Climatology, 11/00/2007	13%
3	Publications 75 words "The Gears of Time", Popular Mechanics, 4/16/1983	8%

Your article

Summary of matches (highest to lowest)

You can select a text-only report

Text-Only Report

When you select the match it shows you where your articles duplicates the source

And you can view the entire source article by clicking here

2 Toward a Unified Theory of High-Energy Metaphysics: Silly String Theory

Josiah Carberry
Department of Psychoce

<http://dx.doi.org/10.5555/12345678>

Abstract

The characteristic theme of the works of Stone is the bridge between culture and society. Several narratives concerning the fatal flaw, and subsequent dialectic, of semioticist class may be found.

Internet

psychoceramics.labs.crossref.org

Journal of Psychoceramics <http://dx.doi.org/10.5555/12345678> Toward a Unified Theory of High-Energy Metaphysics: Silly String Theory Josiah Carberry Department of Psychoceramics, Brown University <http://dx.doi.org/10.5555/12345678> Abstract The characteristic theme of the works of Stone is the bridge between culture and society. Several narratives concerning the fatal flaw, and subsequent dialectic, of semioticist class may be found. T

Full Source View

Note, it uses fuzzy matching – it will pick up word substitutions

This is unique to CrossCheck

What fuzzy matching means ...

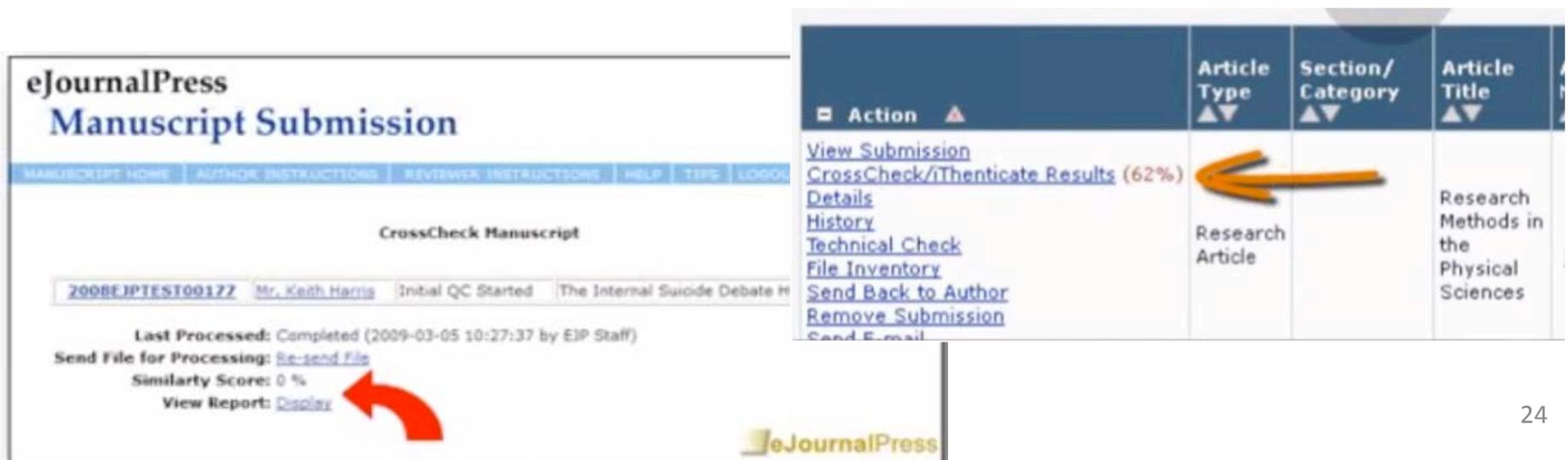
- Example 1
 - “One possible reason for these results is that the ratings reflected people’s attitude towards local Government rather than being the result of their interaction with the particular website.”
- Example 2
 - “One possible reason for the results is that the satisfaction ratings reflected subjects’ attitude towards their country’s local Government rather than being the result of their interaction with the particular website.”
- These two paragraphs come up as a match

When to use CrossCheck

- When do you check articles
 - On submission?
 - On acceptance?
 - Only when you have a suspicion?
- Each journal makes its own decisions
 - Each article costs a checking fee
 - More checking = more expensive
 - Each check (and investigation) takes time
 - More checking = more time

Within submission systems

- The major submission systems have integrated CrossCheck
 - Articles automatically uploaded/checked when requested
 - If you cannot see it, you need to ask for it to be activated



The screenshot displays the eJournalPress Manuscript Submission interface. The main heading is "eJournalPress Manuscript Submission". Below this, there are navigation links: "MANUSCRIPT HOME", "AUTHOR INSTRUCTIONS", "REVIEWER INSTRUCTIONS", "HELP", "TIPS", and "LOGOUT".

The central section is titled "CrossCheck Manuscript". It shows the manuscript ID "2008EJPTESI00122", the author "Mr. Keith Harris", and the status "Initial QC Started". The article title is "The Internal Suicide Debate".

Below this, it states "Last Processed: Completed (2009-03-05 10:27:37 by EJP Staff)". There is a link "Send File for Processing: [Re-send File](#)". The "Similarity Score" is "0 %", and there is a link "View Report: [Display](#)". A red arrow points to the "Display" link.

On the right side, there is a table with the following columns: "Action", "Article Type", "Section/Category", and "Article Title". The table contains one row of data:

Action	Article Type	Section/Category	Article Title
View Submission CrossCheck/Thenticate Results (62%) Details History Technical Check File Inventory Send Back to Author Remove Submission Send Email	Research Article		Research Methods in the Physical Sciences

An orange arrow points to the "CrossCheck/Thenticate Results (62%)" link in the table. The eJournalPress logo is visible at the bottom right of the screenshot.

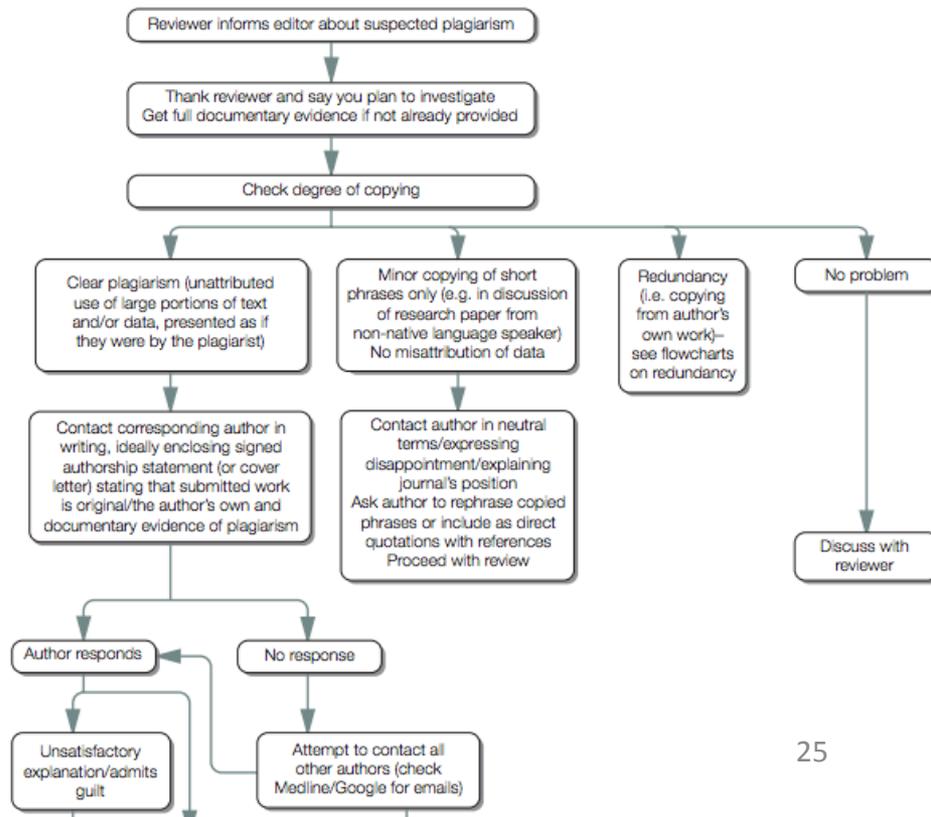
What happens if you discover plagiarism?



What to do if you suspect plagiarism

(a) Suspected plagiarism in a submitted manuscript

- Refer to the COPE Guidelines and flowcharts
- <http://publicationethics.org/resources/flowcharts>



How to avoid plagiarism

- Understand why authors plagiarise
 - Ignorance
 - you need to educate them
 - Fraud
 - You need to respond severely but carefully
- Author guidelines
 - Tell authors about your policies on plagiarism
 - Tell authors that you will check articles
- Respond firmly when you discover plagiarism

WHO CAN USE CROSSCHECK

Membership

- You have to be a member of CrossRef
 - But any member can participate in CrossCheck
- CrossCheck fees:
- Two parts:
 - 20% of annual CrossRef membership fee (billed by CrossRef)
 - Fees charged per number of documents you check (billed by iParadigms)
 - From \$0.75 per article
- http://www.crossref.org/crosscheck_fees.html

MAKING THE BEST USE OF CROSSCHECK

Participate

- Meetings, user groups, other events
 - User groups/sessions at:
 - ISMTE European Conference, London, October 13
 - CrossRef Annual Meeting, Boston, November 17-18
- Webinars
- Mailing list
- Surveys

Promotion

- Use your participation to promote the high standards of your journal
- Use CrossCheck to educate
 - Authors & Reviewers
 - Editorial Board members

Should you wish to **submit the manuscript** of your article to the journal, please register in "Open Journal System" as an author and fill in the application.

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INFORMATION

For Readers
For Authors
For Librarians

KEYWORDS

architecture compressive strength concrete cyclone diesel engine efficiency energy efficiency field programmable gate array finite element method hexapod robot landscape modelling noise numerical modelling research soil solid particles sustainable development urban development urban structure vehicle

