



Enabling African research item discoverability through the Research Nexus

AfricArXiv Open Science Webinar Series



Crossref Ambassadors



What is a Crossref Ambassador?

- Crossref Ambassadors are trusted contacts who work within our communities around the world and who share a great enthusiasm and belief in our work.
- They volunteer to support the scholarly community in their locales with ongoing communication, interactive workshops and training from Crossref.
- They are Crossref's eyes and ears in the community, and a special part of our team.



Senegal - Oumy Ndiaye



Algeria - Younes Saaid



Ghana - Richard Lamptey



Nigeria - Blessing Abumere



Cameroon - Audrey Kenni



Egypt - Ahmed Mostafa



Tanzania - Baraka Ngussa



Kenya - Mercury Shitindo

About us





Our mission

Crossref makes research objects easy to find, cite, link, assess, and reuse.

We're a not-for-profit membership organization that exists to make scholarly communications better.





The Scale Of Crossref Infrastructure

- **>19,000** organisational members from **152** countries
- **>150** million open metadata records with a DOI
- **1.1 billion** DOI resolutions every month
- **000s** (?) systems reusing metadata through search/API and **1.2 billion** queries every month (up from 607mil in 2018)
- **150** Sponsor orgs; **50** Ambassadors
- **\$1,150,000** on data storage and processing alone in 2024
- **47** staff across **7** time zones and **10** countries



Why organizations join Crossref

- Connect content with a global network of online scholarly research
- Create a persistent identifier for each object
- Improve discoverability of publications through robust metadata
- Find out who is citing your content
- Participate in other collaborative services

The Research Nexus





What is metadata?

“Metadata is communication.

It describes and identifies an item, it defines relationships, it sets parameters for the range of actions something can engage in.

As the things we read, write, create, use, move around, and engage with become more digital, metadata becomes more important, because without metadata, all that movement, interaction, and discovery, could not happen.”

- Juliane Schneider, Metadata 20/20 blog, 2017
<https://metadata2020.org/blog/2017-09-14-metadata-and-communication>



What kind of <metadata>?

Basic: titles; dates; author names; abstracts; DOI; location URL

Full-text URLs: e.g. for text-mining and Similarity Check

Crossmark: updates, retractions, corrections

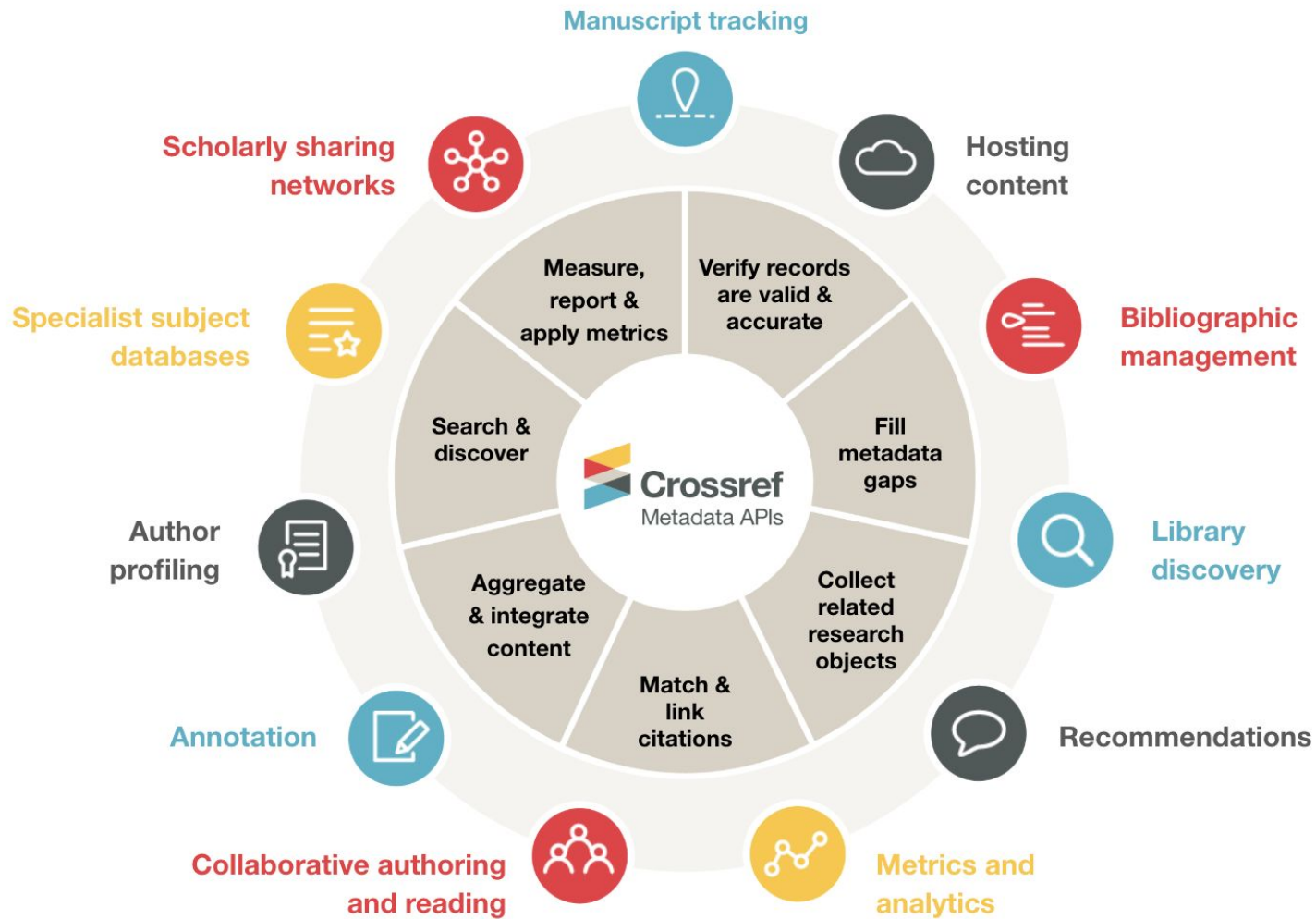
Relationships: versions; translations; data; references; citation

Provenance: publisher/funder/steward information

Subject-specific: e.g. clinical trial info

Funding information: Funder Registry ID; award numbers/Grant DOIs

Contributor & Affiliations: ORCID iDs and ROR IDs preferred



Why metadata?

Research integrity

Metadata as signals of trustworthiness including provenance information

Reproducibility

Metadata as relationships between literature, data, software, protocols and more

+

Assessment

Metadata can be used to analyze the outcomes of research and demonstrate compliance

Discoverability

More metadata means more systems have more pathways to find your work

Make Data Count: A Central Corpus for All Data Citations

[A Central Corpus for All Data Citations](#)

DOAJ & CROSSREF
SIGN AGREEMENT
TO REMOVE BARRIERS
TO SCHOLARLY
PUBLISHING FOR ALL



[DOAJ and Crossref sign agreement to remove barriers to scholarly publishing for all, June 2021](#)

3 million

Authors enabled Crossref's
ORCID auto-update

crossref.org/community/orcid



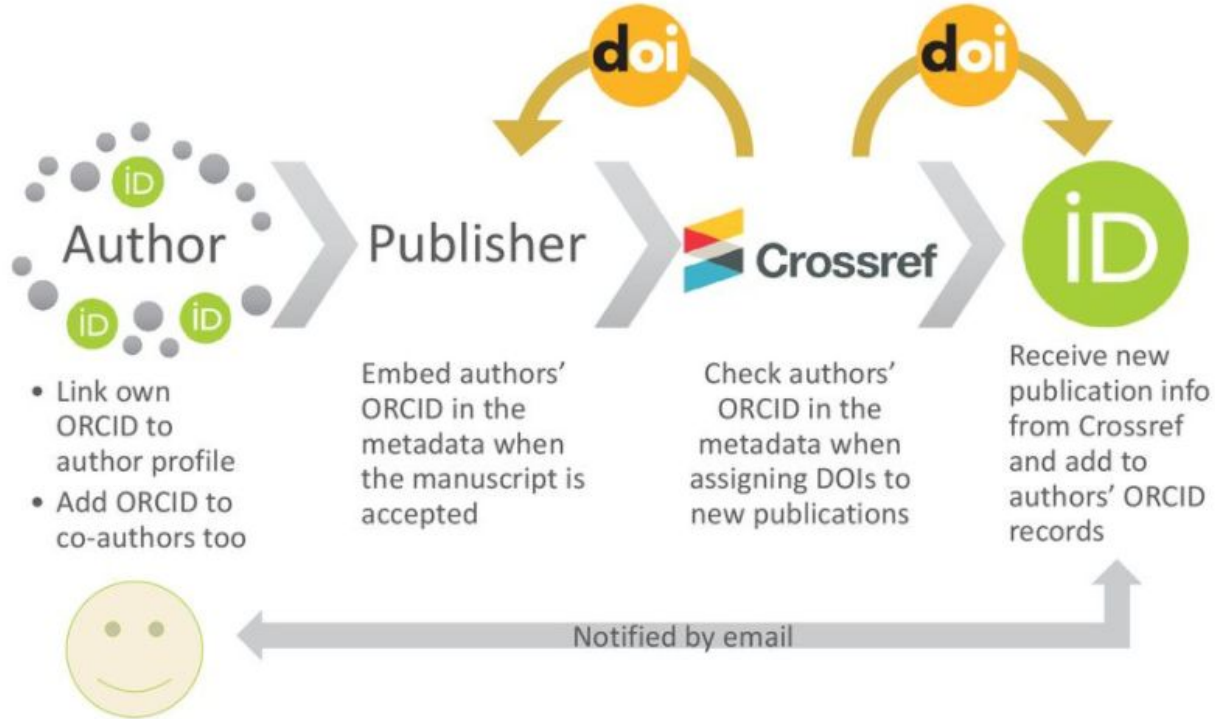
 Crossref

Crossref | OJS 3.2+ Manual

PKP and Crossref are continuing to collaborate to help publishers and journals using Open Journal Systems take better advantage of Crossref services. PKP is also a Sponsoring Organization for Crossref.

[Crossref OJS 3.2+ Manual](#)

ORCID Auto-Update



Adding records to your ORCID



FACET BROWSING CURRENTLY UNAVAILABLE

SORT BY: **RELEVANCE** PUBLICATION YEAR

PAGE 1 OF 439,967 RESULTS

TCC Africa and AfricArXiv Announce Formal Collaboration

JOURNAL ARTICLE published 3 November 2021 in TCC Africa

Authors: Joy Owango | Jo Havemann | Johanssen Obanda | Harrison Weda | Mary Osida | Kevina Zeni

<https://doi.org/10.21428/359fb1d2.a0dfb269>  Actions  IN YOUR RECORD

TCC Africa and AfricArXiv Announce Formal Collaboration

JOURNAL ARTICLE published 3 November 2021 in AfricArXiv

Authors: Joy Owango | Jo Havemann | Mary Osida | Johanssen Obanda | Harrison Weda

<https://doi.org/10.21428/3b2160cd.933ac92f>  Actions  ADD TO ORCID

Supporting Rongo University in Accessing Open Access Resources & Preprints as a journal selection strategy

JOURNAL ARTICLE published 29 October 2021 in TCC Africa

Authors: Joy Owango | Johanssen Obanda

<https://doi.org/10.21428/359fb1d2.658c6f01>  Actions  ADD TO ORCID



Reference metadata at Crossref

- All references openly available since June 2022.
- 52.0% of journal articles, 44.5% of all works have references.



REFERENCES MATTER

5 key benefits of registering your references

Thousands of organizations extract and use them

Researchers are guided to your content

Your research can be found, cited, linked to, and reused

Helps in evaluation of research

Highlights how research is used



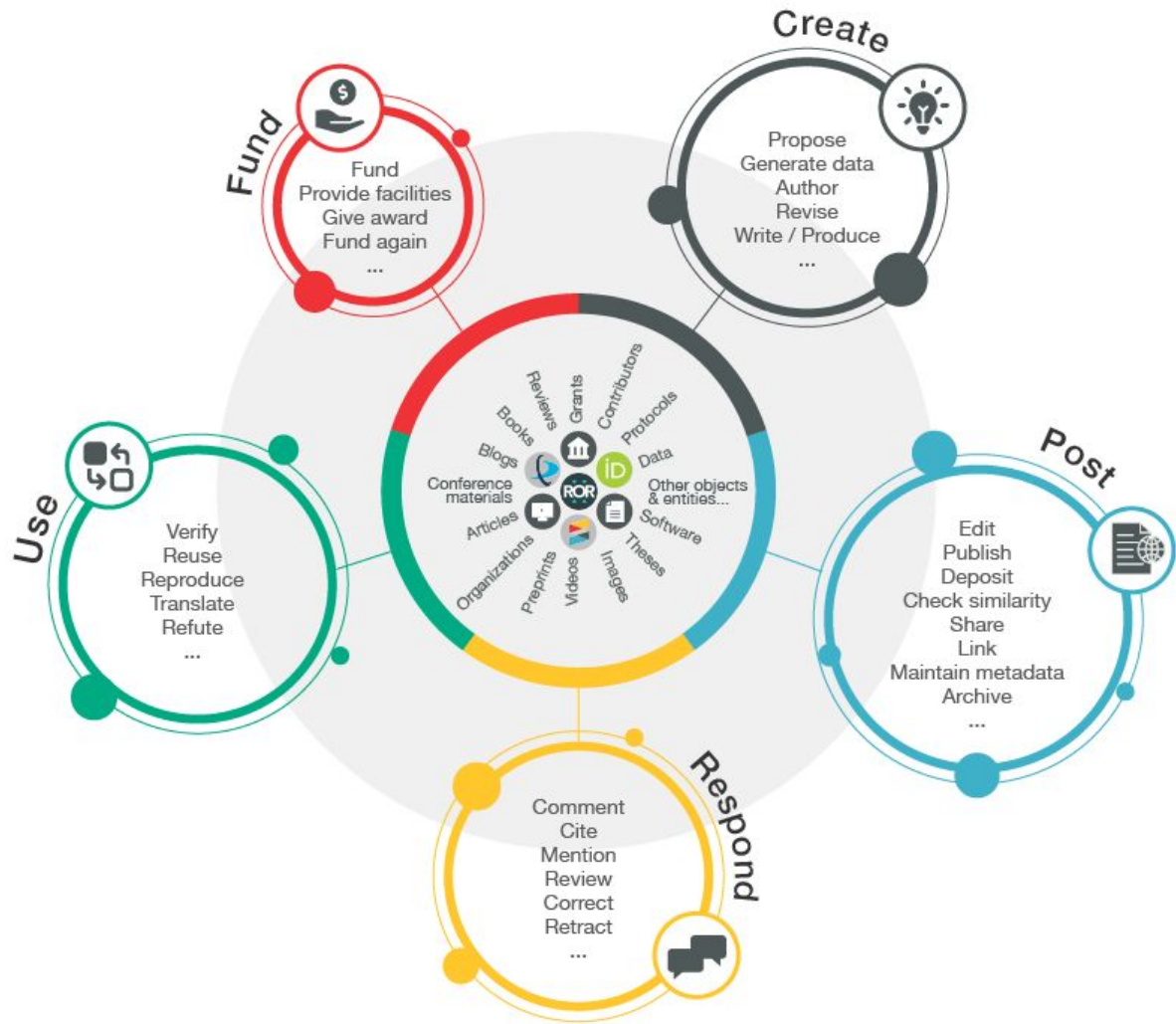
Register your references with Crossref today!

LEARN MORE AT: [BIT.LY/REFERENCES-CROSSREF](https://bit.ly/references-crossref)

Relationships: The Research Nexus

Our vision of a network of
scholarly entities.

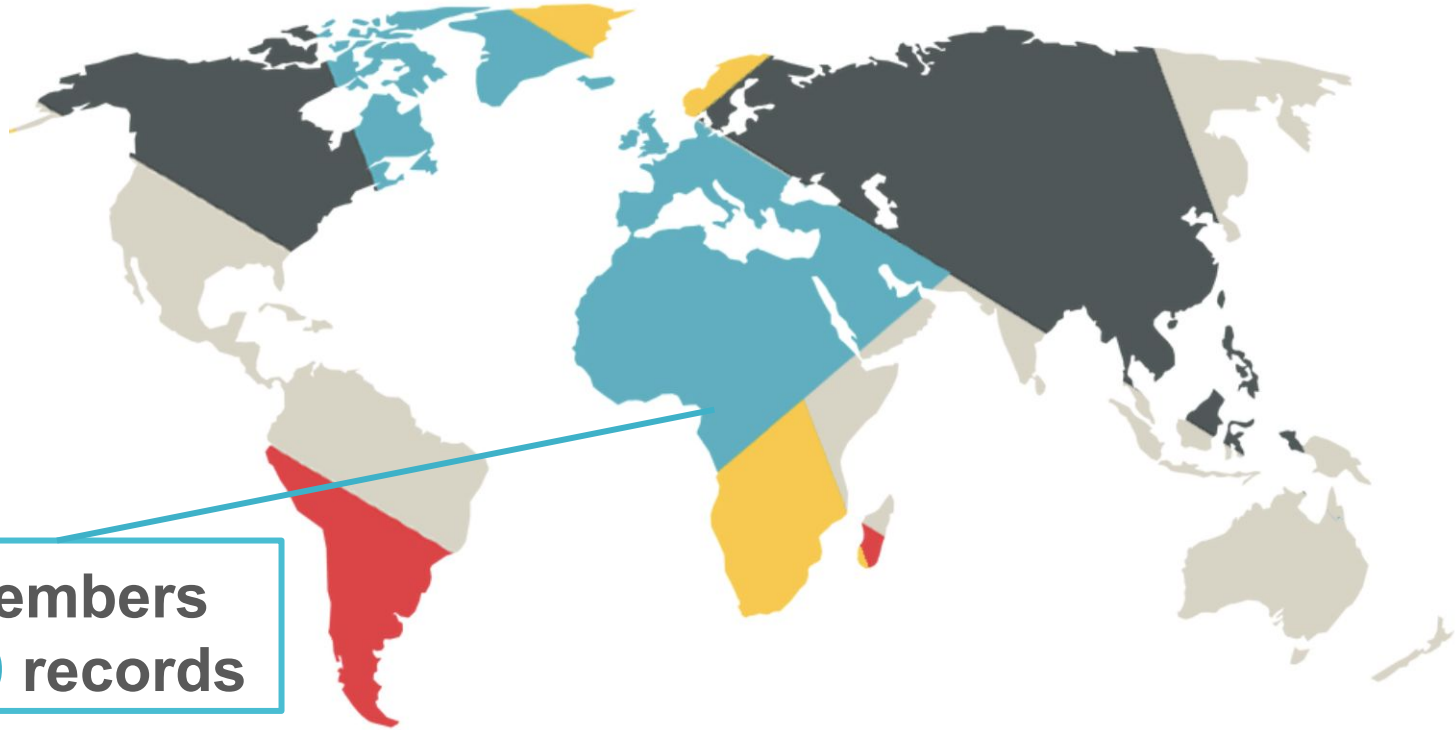
We can show connections
between items.



Global Equitable Membership (GEM) Program



A changing membership



392 members
12,229 records

Global Equitable Membership (GEM) program



Crossref
**Global
Equitable
Membership**

From Afghanistan to Zambia...

Announcing the new GEM Program, so that publishers in 59 countries have one less thing to worry about.

Afghanistan Bangladesh Benin Bhutan Burkina Faso Burundi Cambodia Central African Republic Chad Comoros Cote d'Ivoire Democratic Republic of the Congo Djibouti Eritrea Ethiopia Gambia Ghana Guinea Guinea-Bissau Guyana Haiti Honduras Kiribati Kosovo Kyrgyzstan Laos Lesotho Liberia Madagascar Malawi Maldives Mali Marshall Islands Mauritania Micronesia Mozambique Myanmar Nepal Nicaragua Niger Rwanda Samoa Sao Tome and Principe Senegal Sierra Leone Solomon Islands Somalia South Sudan Sri Lanka Sudan Tajikistan Tanzania Togo Tonga Tuvalu Uganda Vanuatu Yemen Zambia

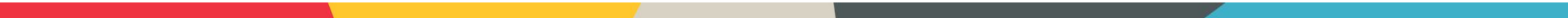


GEM eligible countries in Africa

Benin (1)
Burkina Faso (2)
Burundi (1)
Central African
Republic (1)
Chad
Comoros
Cote d'Ivoire
Democratic Republic
of the Congo (6)
Djibouti

Eritrea
Ethiopia (7)
Gambia
Ghana (18)
Guinea
Guinea-Bissau
Mali (2)
Mauritania (1)
Mozambique
Niger
Rwanda (4)

Sao Tome and
Principe
Senegal (3)
Sierra Leone
Somalia (4)
South Sudan
Sudan (11)
Tanzania (11)
Togo
Uganda (7)
Zambia (5)





What does GEM cover?

Yes

- Annual member fee
- Content registration fees

No

- Similarity Check fees
 - Metadata plus fee
- 

Getting started as a member





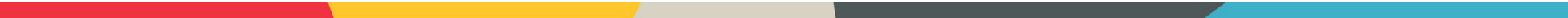
Become a member

<https://www.crossref.org/membership/>



First Steps

We send you:

- Your unique prefix
 - Login and instructions to set your password
 - Review of the different methods for registering your content
- 



What can I register at Crossref?

Journals & articles

Books

Book chapters

Conference proceedings

Datasets

Dissertations

Reports

Standards

Posted content (preprints)

Peer reviews

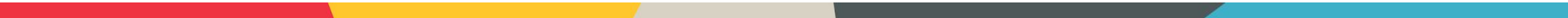
Grants

Relationships





How to register content

- OJS Crossref plugin
(<https://docs.pkp.sfu.ca/crossref-ojs-manual/en/config>)
 - Manual web deposit form
(<https://apps.crossref.org/webdeposit>)
 - Upload XML file
(<https://doi.crossref.org>)
- 

Web deposit form

<https://apps.crossref.org/webDeposit/>

webDeposit

Ver. 1.53

These forms allow you to enter metadata and register DOIs. Review the [help documentation](#) for details.

Note: Your Crossref username and password will be required at the end of this process to submit data to the system. Please insure your browser allows JavaScript so that the data validation will function.

Step 1: Select Data Type

Data Type Selection

Select Data Type: Journal Book Conference Proceedings Report Dissertation CrossMark Policy page
 NLM File **BETA** Supplemental-Metadata Upload **BETA**

Step 2: Identify the Journal

Journal information

Title
Abbr.
Journal DOI+
Journal URL
Print ISSN Elect ISSN Journal DOI and/or ISSN required
Volume Issue
Issue DOI
Issue URL

Publication dates

note: use numerical values (YYYY, MM, DD)

Type: print

*Year Month: Day:

Type: online

*Year Month: Day:

* a minimum of one publication year is required

+ complete Title, Abbr., Journal DOI/URL and/or ISSN fields for title-level Journal deposit



Using OJS

- Enable DOI plugin

Settings > Website > Plugins

Under Installed Plugins > Public Identifier Plugins

- Enable Crossref plugin

Tools > Import/Export > Crossref XML Export Plugin

<https://docs.pkp.sfu.ca/crossref-ojs-manual/en/config>

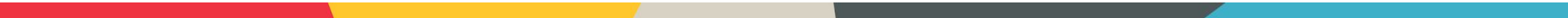


Additional services





Services for our members:

- Reference linking
 - Cited-by
 - Similarity Check
 - Crossmark
- 



Reference linking

Reference linking enables researchers to follow a link from the reference list to other full-text documents, helping them to make connections and discover new things.

<https://www.crossref.org/services/reference-linking/>





Cited-by

Cited-by provides an overview of the publications that have cited a piece of content helping to build a picture of how research has been received by the community.

<https://www.crossref.org/services/cited-by/>

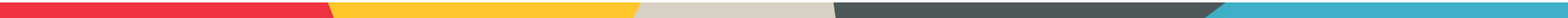




Similarity Check

Similarity Check offers publishers with a way to actively engage in efforts to prevent plagiarism, using a service provided by Crossref and powered by iThenticate

<https://www.crossref.org/services/similarity-check/>





Crossmark



Check for updates

Crossmark provides a cross-platform way for readers to quickly discover the status of a research output along with additional metadata related to the editorial process

<https://www.crossref.org/services/crossmark/>



The PLACE



The PLACE

The **Publishers Learning And Community Exchange (PLACE)** is an online public forum for organisations who wish to adopt best practices in scholarly publishing. Publishers can access information from multiple agencies in one place, ask questions of the experts and join conversations with each other.

<https://theplace.discourse.group/>



**Publishers Learning &
Community Exchange**

| C | O | P | E |


Crossref

 **DOAJ**



CASPA



all categories ▾








all tags ▾

Categories

Latest

Top

Category	Topics
<p>Welcome!</p> <p>Learn more about the purpose of the PLACE and how you can make the most of this forum.</p>	3
<p>How to get started as a scholarly publisher</p> <p>There are lots of different things to think about when starting as a scholarly publisher. This section contains basic information and links to other resources to find out more.</p>	7
<p>Open Access Publishing</p> <p>Open access makes research freely available to anyone. Ask us if you have queries about open access publishing.</p>	10
<p>Publishing Ethics</p> <p>This section contains links to resources and guidance on creating or revising policies and processes on ethical practices in scholarly publishing.</p>	15
<p>All things metadata</p> <p>Metadata is the way that machines exchange information about information. Jump here to learn more about metadata, how to document and use it.</p>	3
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<p> How metadata and Crossref plays a role in establishing the integrity of the scholarly record 0 15 Jun Publishing Ethics 0 votes</p>
<p> What are DOIs? 3 15 Jun All things metadata</p>
<p> Event for OJS-hosted journals 28 June 2023 0 13 Jun Open Access Publishing</p>
<p> Updated DOAJ guide to applying 7 6 Jun Open Access Publishing</p>

In conclusion





Resources and support

Technical documentation: <https://www.crossref.org/documentation/>

GEM program: <https://www.crossref.org/gem/>

Email us: support@crossref.org and member@crossref.org

OJS/Crossref Manual <https://docs.pkp.sfu.ca/crossref-ojs-manual/en/>

Have questions? Try our community forum: <https://community.crossref.org/>

