



What's new in reference processing?

Bruce Rosenblum
VP of Content & Workflow Solutions

Reference processing enhancements

- Incremental parsing improvements (e.g., unusual article ID patterns)
- eXtyles Journal database
 - >53,000 titles
 - Ongoing manual curation
 - We know there are many titles we don't have (e.g., the majority of the 15k+ titles in the Cabells Predatory Reports database don't overlap with ours, and we don't feel it's appropriate to add these titles to our database)

Edifix enhancements

- Cabells Reference Checking
- Better visibility of retracted references

About Your References ⓘ	
Editorial Style:	APA 7th ed.
Submitted:	5
Parsed:	5
Linked to Crossref:	5
Linked to Pubmed:	5
Flagged by Cabells:	1
Retracted References:	1
Billable:	0

Edifix integrations

- Inera technologies have always been collaborative
- API integrations
 - Atypon ReX Screening Report
 - Wiley e-Assistant
- Third-party API integrations
 - Third-party software vendor integrates Edifix API
 - Customers of the vendor purchase an Edifix account and use Edifix through the vendor software
 - Examples: XPublisher, Typefi
- Data integrations
 - Cabells Predatory Reports

Guest presentations

- Gary Spencer
- Simon Linacre

Broken pencils



The image shows a close-up of a broken pencil lying diagonally across a document. The document contains a list of references, with the following text visible:

References

1. ...
2. ...
3. ...
4. ...
5. ...
6. ...
7. ...
8. ...
9. ...

Still Editing References by Hand?

It's time to get your priorities in order.

Repetitive editorial tasks can be time intensive and error prone. Automate tedious cleanup and styling so your editors can concentrate on content.

eXtyles will enable you to:

- Mold Word documents into a standard style
- Automate bibliographic reference editing
- Link references to PubMed and CrossRef
- Check Harvard- or Vancouver-style

Marrying Edifix and eXtyles?

- Edifix will continue to add features unavailable in eXtyles
 - For example, Cabells Reference Checking
 - Why? Avoids data distribution challenges with licensed data
- Advantages of possibly calling Edifix service from eXtyles UI:
 - Brings new services to eXtyles desktop
 - Brings integrated reference processing in a single step
 - Constant updates of latest code and data
 - May provide faster performance
- Disadvantage: Requires web-service call for reference parsing where none is needed today
- Integration: Single item on the Advanced Processes menu to replace Reference Processing/PubMed/Crossref

One publisher's retraction workflow

- From a medical publisher that uses Edifix:
 - “We wouldn’t ban authors from using the reference (because there might be a legitimate reason to cite that retracted ... piece in a critique, say) but we will make it clear in the text the provenance of the source.”
 - “For the text, we’d encourage the author to say “in Rosenblum and colleagues’ article (retracted in 2019)” or similar if they are still keen to include the citation. We don’t expect readers to routinely look at the reference list as they read through, so purely having “Retracted: title” (which is how the title of retracted papers appear on PubMed and presumably in Edifix?) wouldn’t suffice.”

Cabells Workflow

- Two years ago at XUG
 - Lots of interest in Cabells integration
 - Lots of questions about workflow integration

One publisher's Cabells workflow

- From a medical publisher that uses Edifix:
 - “I think we’ll end up treating [Cabells alerts] in the same way we treat papers flagged as retractions: the assistant editor (who runs Edifix) and the senior editor will check out the publisher. If it looks predatory to us too, we then notify the author at proofs stage that it’s been included on Cabell’s list. We wouldn’t ban authors from using the reference (because there might be a legitimate reason to cite that retracted/predatory piece in a critique, say) but we will make it clear in the text the provenance of the source.”

Edifix+Cabells statistics

- Edifix+Cabells live since June 1
- When we started this project, we had no idea how frequently journals in Cabells Predatory Reports would appear in reference lists “in the wild”

Important caveats

- The data analyzed is from June 1 to September 30
- We excluded all jobs using our sample references because these references include both a Cabells reference and a retracted reference
- When Edifix flags a retracted reference, we have no context to determine whether the author is relying on it in their research or citing it as retracted
- Edifix retractions are based on Crossref and PubMed data, but we know many retracted articles are not listed in either

Cabells Predatory Reports frequency

- During the 4-month sample period, approximately 866,000 references were run
- 1540 references matched an entry in the Cabells Predatory Reports database
- Approximately **1 in 560** references matched an entry in the Cabells Predatory Reports database

Cabells frequency by customer

- While the average across all customers was 1 in 560, *the actual frequency varies widely among customers*
- For customers who ran at least 500 references, one-quarter had **0 matches** in the Cabells Predatory Reports database
- For the remaining customers, the ratio varied from **1 in 76** to **1 in 4100**
- For the 5 Edifix customers who processed the largest number of references, the ratio varied from **1 in 211** to **1 in 876**

Distribution of titles matched

- 454 unique titles were matched
- Two-thirds of titles had only a single match
- Only 11 titles were matched >10 times
- Only 5 titles were cited >20 times
- The most frequently matched title was cited in jobs from >25 Edifix customers

Retractions

- 88 jobs contained at least 1 reference flagged as retracted
- The frequency of references flagged as retracted also vary widely among customers
- **Reminder:** we don't know the context in which these references were cited

An interesting observation

- 13 of 88 jobs (15%) with retractions also included ≥ 1 references that matched to Cabells Predatory Reports
 - Is there a statistically significant correlation between bibliographies citing retracted literature and bibliographies citing work published in predatory journals?
- More research is needed! We will continue to collect and analyze statistics

Thank you!

#XUG2021