

# UNT University of North Texas Open Access Publication Review (2019-2021): Workflows and Insights

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## Introduction

The University of North Texas' Scholarly Works Open Access institutional repository is home to materials from the UNT community's research, creative, and scholarly activities.

**About this project:** We conducted an Open Access publication review for scholarly works generated by the UNT community between 2019-2021 in order to identify challenges and best practices for harvesting this scholarly output for inclusion in the repository.

## Insights

Year	Unpaywall OA	Zotero OA	Unpaywall Accuracy
2019	539	260	48%
2020	581	277	48%
2021	638	275	43%

Year	Unpaywall Closed	Zotero Closed	Unpaywall Accuracy
2019	1105	1191	92%
2020	1107	1271	85%
2021	1257	367	29%

## Next Steps

- Find a way to automate this process with minimal errors
- Conduct further research into self-archiving practices of authors for inclusion of manuscripts where published articles are not OA
- Look into publications access options (e.g. Author Processing Charges, Hybrid journals, etc.)

## Workflow

### HARVEST DATA USING SCOPUS

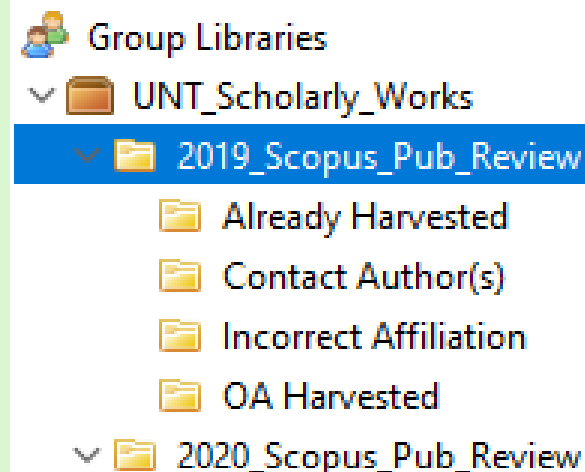
- Scopus was chosen for the ease of access and the ability to download large datasets
- Download publication data for 2019-2021
- Data was limited to by Affiliation ID for UNT and the publication year
- Sample query:

AF-ID("University of North Texas" 60024438) AND PUBDATETXT(2019)

### INGEST DATA INTO ZOTERO

- Create collections by year and subfolders for each collection

Fig. 1



### REVIEW PUBLICATION DATA FOR EACH PUBLICATION

- Check if publication is already in UNTSW
- If not, review publication OA Status
- Use Google Scholar/CrossRef extensions in Zotero to find publication (Fig. 2)
- Check if authors are correctly affiliated
- Check if article/journal is open access
- If not, check publisher's Self-Archiving or Open Access Policy sections

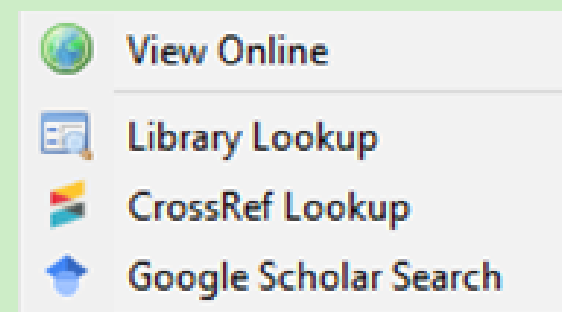


Fig. 2

### SORT PUBLICATION INTO CORRECT SUBFOLDER

- Each collection has a system of sub-folders to sort publication data by OA status (Fig. 1)

**Already Harvested:** Item is already available in UNTSW

**Contact Author(s):** Publication is not OA, contact author(s)

**Incorrect Affiliation:** Publication authors are not affiliated with UNT Denton (e.g., UNT Dallas)

**OA Harvested:** Publication is Open Access and captured for ingest into UNTSW

### ANALYZE DATA

- Excel and OpenRefine used for cleaning, sorting, and analyzing data
- DOIs used as key data point to compile and compare data
- Publications without DOIs were omitted
- DOIs were then run through Unpaywall to compare for accuracy and identify variance in the reporting of OA materials (free to read versus free to reuse)