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Using the Web of Science to Create a Retrospective Faculty Scholarship Collection

Maura Valentino

Central Washington University, maura.valentino@cwu.edu

Daniel Levy

Central Washington University, daniel.levy@cwu.edu

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Using the Web of Science to Create a Retrospective Faculty Scholarship Collection

Maura Valentino

Daniel Levy

Background

- Difficulty getting faculty to participate in IR
- Oregon State University
- CWU Web of Science project: Take 1
- Pandemic –work from home mandate
 - No extra work on faculty



Background - CWU

- 8 – 14 librarians (8 during pandemic)
- 11,500 students
- ~ 500 faculty
- .2 FTE Scholarly Communications Librarian
- 1 FTE Digital Initiatives Technician



Web of Science Project: take 2

- Project lent itself to working at home
- Fit in with the mandate to create no extra work for faculty
- Digital Initiatives technician tech savvy



Methodology

Search created in Web of Science

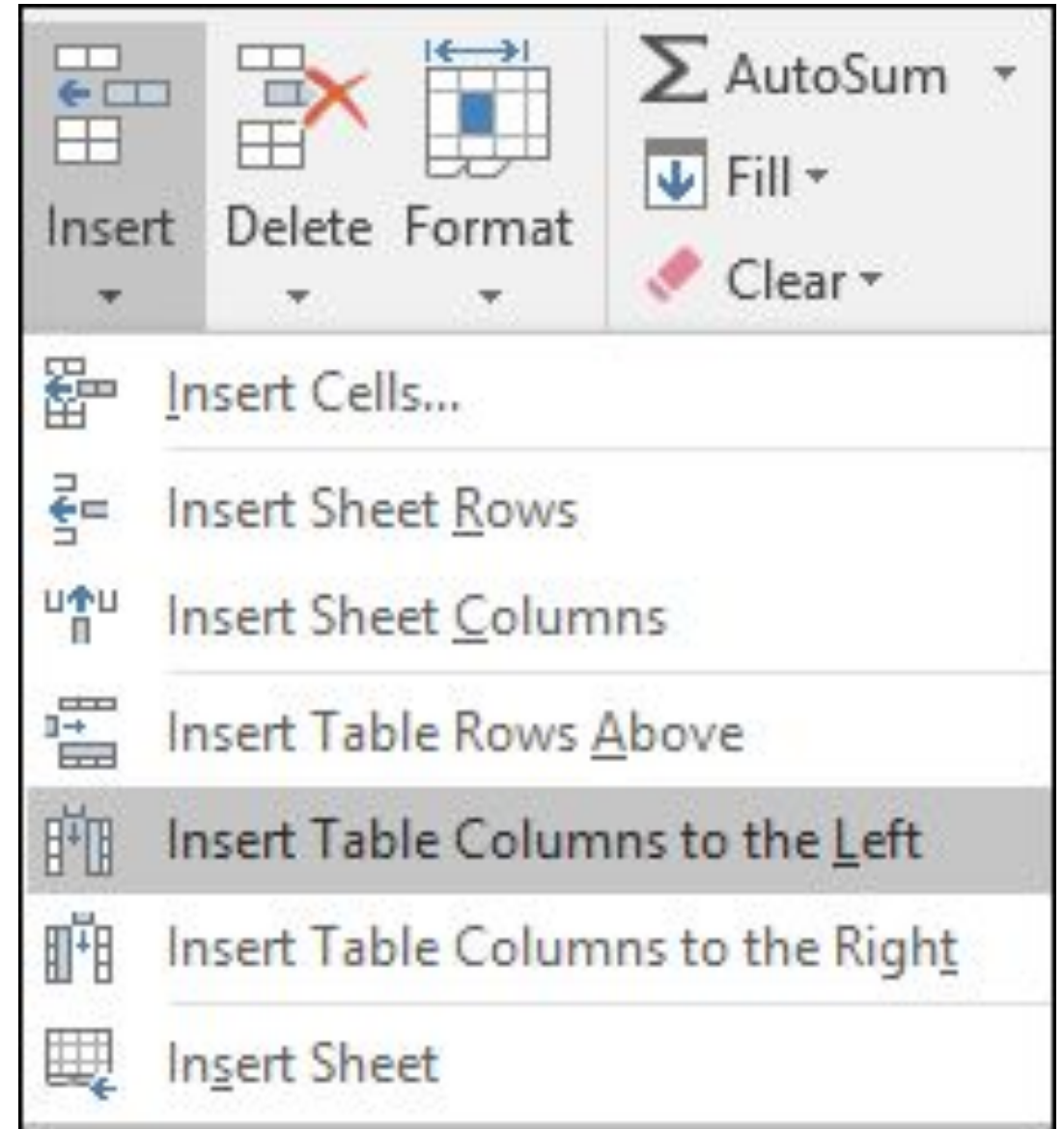
An advanced search was created in Web of Science to gather citations for scholarly works with MSSU-affiliated authors. WoS advanced search operators (Clarivate Analytics, 2020) for Organization (OO) and Organization-Enhanced (OG) were used:

(OO=(Central Washington University OR CWU) OR
OG=(Central Washington University OR CWU))



Methodology

- Columns added to exported data spreadsheet
 - publication type (whether we could post the published, accepted, or submitted version of an article),
 - the embargo period
 - the creative commons license type (if applicable)
 - conditions accompanying the deposit in an IR (such as “non-commercial use only” or “set statement must accompany deposit”)
 - general notes and URLs for the publisher’s policies



Methodology

- Columns were populated by manually looking up the journal title or ISSN
 - The time to complete each record varied widely
 - ease or difficulty of finding publishers' policies, difficulty in tracking down CWU-affiliated authors' contact information
 - technical difficulties getting pdfs for OA articles
 - other issues.
- Utilized student workers from the circulation and help desk who needed additional tasks which could be completed online due to the lockdown at the beginning of the COVID-19 pandemic.
- After linking publisher OA policies to each citation in WoS, each citation was uploaded individually



DEPARTMENTS

A collage of eleven icons representing various academic departments: Mathematics (numbers), Biology (fruit), Physics (compass), Chemistry (flasks), English (Shakespeare), Computer Science (keyboard), Earth Science (globe), Music (musical notes), History (map), Art (paint palette), and Sports (tennis ball).

- Add information to fields
 - college or department of the MSSU-affiliated author
 - Faculty or student status
 - Keywords
 - corresponding disciplines from the Bepress Three-Tiered List of Academic Disciplines (Bepress, 2021).
- Other parts of the metadata that had to be crafted individually
 - copyright notice
 - a creative commons license if needed
 - citation in APA style. (DigitalCommons automatically generates a citation for citing the repository webpage, not the article housed on that webpage.)
 - Current faculty members' email addresses were also included, so they would be notified of their research being uploaded.
- For some older articles, the CWU-affiliated author was no longer an employee at CWU, and very few clues existed as to where and when they worked at MSSU. In some cases, author names were sent to CWU's HR department to determine the author's affiliation with the school

Results

- 1,527 citations
- 339 citations were not used
- 294 articles were uploaded with a PDF
- 1,009 citations college of science
- 44 citations were also added to the arts and humanities faculty
- 33 to the college of business faculty
- 9 to the college of education and professional studies faculty
- 3 to the library faculty.
- 37 works published by CWU students, resulting in a new student collection



Results

- 64 authors were found who had published at least four articles either bronze or gold OA.
- Two turned out to be deceased, but with their articles being re-published and preserved in the IR, their scientific legacy will live on.
- A reception was held in the library for the other 62 authors to celebrate their contribution to OA. This reception was sponsored by the Provost's office and faculty felt honored and celebrated for their contribution to OA.
- There was only positive feedback from authors included in this project.



Results

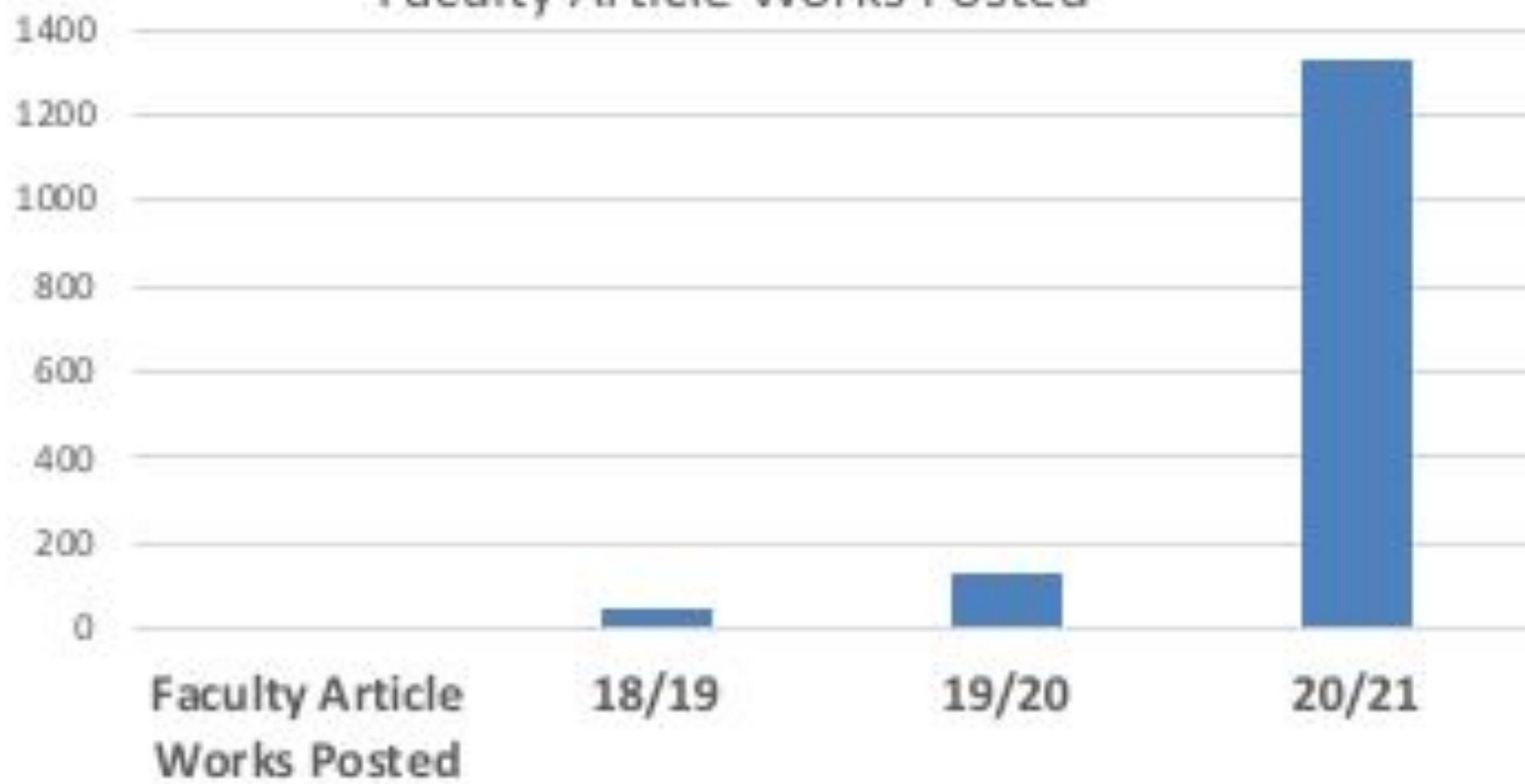
- Faculty article postings have increased 2,793% over 2018/2019
- 885% over 2019/2020
- Faculty article downloads from the repository have increased 255% over 2018/2019
- 150% over 2019/2020
- This averages out to 108 downloads per article, and several articles have more than 1,000 downloads



ScholarWorks Downloads



Faculty Article Works Posted





Geographical representation of faculty article downloads from the repository 2020-2021

Lessons Learned

- Web of Science interface
- Technical staff
- Dedicated time due to Pandemic
- Humanities next



