Selecting journals for the Emerging Sources Citation Index (ESCI)

Gain insight into our selection process and why these journals matter to your faculty.

Jeff Dougherty  MLS
04.25.2019
Selecting journals for the Emerging Sources Citation Index (ESCI)

What We’ll Discuss Today...

- Web of Science Core Collection journal evaluation and selection practices
  - Why we do this, How we do this

- ESCI – Emerging Sources Citation Index
  - Its contribution and place within Web of Science Core Collection
  - Some Insight Into Coverage/Content – including the ESCI Backfile
The Web of Science Platform
Respected, High Quality Resources

- 34,000+ Journals across the platform
- 11.2 Million Records with funding data
- ~21,000 Total journals in select Core Collection
- 80 Million Patents for over 40 million inventions
- 8 Million+ Data Sets and Data Studies
- Backfiles available to 1900 With cover-to-cover indexing
- 200,000+ Conference records
- 100,000+ Books

Key databases and resources include:
- Chinese Science Citation Database
- Russian Science Citation Index
- KCI Korean Journal Database
- ScELO Citation Index
- Current Contents Connect
- Emerging Sources Citation Index
- Social Sciences Citation Index
- Arts & Humanities Citation Index
- Conference Proceedings Citation Index
- Book Citation Index
- BIOSIS Citation Index & BIOSIS Previews
- Zoological Record
- Food Science & Technology Abstracts
- CAB Abstracts & Global Health
- MEDLINE
- Biological Abstracts
- Derwent Innovations Index
- Data Citation Index

Additional features include:
- Data Sets and Data Studies
- Backfiles available to 1900
- Cover-to-cover indexing
The Web of Science Core Collection
Respected, High Quality Resources – science, social science, arts & humanities

Web of Science Core Collection
Science Citation Index Expanded (SCIE)
Social Sciences Citation Index (SSCI)
Arts & Humanities Citation Index (AHCI)
Emerging Sources Citation Index (ESCI)
Conference Proceedings Citation Index (CPCI)
Book Citation Index (BKCI)

~21,000
Total journals in select Core Collection

Backfiles to 1900
With cover-to-cover indexing

11.2 Million
Records with funding data

200,000+
Conference records

100,000+
Books

Author Cited References Presented Across All Years of Coverage
Web of Science Core Collection

Integrity, Quality, Carefully Curated Content

Where it started for us? – from the beginning.

Citation Indexes for Science:

*A New Dimension in Documentation through Association of Ideas*

Eugene Garfield, Ph.D.

*The impractical citation of disputed data by a writer, whether it be deliberate or not, is a serious...*
Collection Development. A philosophy of *superior collection development* lies at the foundation of Web of Science Core Collection.

- A dedicated editorial team, a full-time staff of collections specialists committed exclusively to the task of evaluation and selection of journal content.
- Journal evaluation processes are detailed, time-tested, and un-biased.
- We are publisher-neutral and publisher-independent in our approach.
- We are not driven to achieve volume, but by a mission focused on maintaining a high quality collection.

These practices have been in place for almost six decades – and while we adjust the processes as necessary, our founding principles remain in the same.
Why we do what we do:

Sources of published research are not created equal.

Only legitimate peer-reviewed journals operating in an ethical manner are sought for coverage within Web of Science Core Collection.

In a vast sea of information...

- Those with the knowledge to actually identify the search results/content most useful to them are typically faced with a great demand on their time in order to do so.

- For others with lesser experience, the task is overwhelming and frankly impossible given a lack of detailed knowledge of journals and their respective content. In all likelihood these users will simply take what is found first.

- Web of Science Core Collection, by default, presents high quality, authoritative information.
The basic principles of our evaluation and selection process have been consistent over time -- **objectivity, selectivity and collection dynamics**.
Web of Science Core Collection
Content Evaluation, Selection, Curation – Full Time Collection Development
And so...

Emerging Sources Citation Index

- **Currency**
  ESCI journals contribute important research to their respective disciplines – valuable current awareness.

- **Inclusivity**
  See a more complete picture of faculty and institutional output.

- **Global view**
  International diversity is a hallmark of ESCI content.

- **Metrics**
  A more comprehensive view of personal metrics for researchers and scholars.

Our customers’ desire for more content within Web of Science Core Collection, to meet various needs, had to be balanced with their expectation, and our expectation, that we remain selective and dedicated to an editorial mission around Web of Science Core Collection content.
The ESCI, an ISI → Web of Science Group continuum...

- “Important and Notable”, of value to the discipline, does not always equate to “highly cited”. However, ESCI journals are thoroughly evaluated by our editorial team and their content determined as important to bring to the attention of the international scholarly community – though they are not among the most highly cited titles in their respective disciplines.

- We have always done this! — dating back 50+ years. Historically, the primary vehicle for inclusion and exposure of these publications was Current Contents. However, the need and desire for this content within the Web of Science Core Collection citation index environment ultimately became unquestionable.

Today...

ESCI is Web of Science Group doing what ISI had done from its origins – presenting important & noteworthy, editorially sound content for the benefit of our users.
ESCI
Emerging Sources Citation Index
Emerging Sources Citation Index (2005-2019)

7,600+
Total actively publishing journals indexed

2,700+
Open Access Journals

3200
Publishers Represented

3 Million+
Records (April 2019)

Same features and indexing standards as other Core Collection editions:

- Full cover-to-cover indexing of all content
- All authors and their respective affiliations captured
- Funding data captured

ESCI journals do NOT receive Journal Impact Factors

- Typically, for customers subscribing to our traditional core citation indexes SCIE, SSCI, A&HCI – an ESCI file 2015-present is provided at no charge.
- An ESCI backfile 2005-2014 is available for purchase.
Emerging Sources Citation Index (2005-2019)

Publishing Authors within ESCI – Their Institutions, the Top Ten

Publishing Authors within ESCI – Their Countries, the Top Ten

Inclusivity

Metrics

Currency

Global view
ESC Effect on Web of Science Core Collection Journal Coverage

Web of Science Core Collection Journal Category Coverage

* Includes category overlap

Social Science
Clinical Medicine
Engineering
Physical Science
Life Sciences
Ag BIO & Env Science
Arts & Humanities

Multidisciplinary coverage enhanced, as well as international representation.

11,000+ journals evaluated
7,600+ Journals selected for coverage
61% highest growth category
Education & Educational Research
Emerging Sources Citation Index
The Backfile -- 2005-2014

7,100 journals indexed
2,500 open access journals
1.7M Publication records 2005-2014
580K+ OA Publication Records!!

ESCI Backfile Top 25 Subject Categories

109,879 EDUCATION EDUCATIONAL RESEARCH
51,803 RELIGION
35,062 MANAGEMENT
29,179 SOCIAL SCIENCES INTERDISCIPLINARY
28,769 PHILOSOPHY
27,479 LANGUAGE LINGUISTICS
24,874 AREA STUDIES

62,922 MEDICINE GENERAL INTERNAL
50,421 HUMANITIES MULTIDISCIPLINARY
33,355 POLITICAL SCIENCE
24,361 COMMUNICATION
20,811 INFORMATION SCIENCE LIBRARY SCIENCE
20,246 NURSING
20,153 PUBLIC ENVIRONMENT OCCUPATION HEALTH

48,902 HISTORY
32,458 MATHEMATICS
23,322 BUSINESS FINANCE
20,027 PHARMACOLOGY
19,245 HOSPITALITY LEISURE SPORT TOURISM

58,641 LAW
38,356 ECONOMICS
30,131 BUSINESS
21,946 CARDIOVASCULAR SYSTEMS
18,861 INTERNAL RELATION
18,228 SURGERY
Emerging Sources Citation Index (ESCI) benefits the academic research ecosystem

“ESCI has a positive effect on research assessment and it accelerates communication in the scientific community.”

Early Insight on the ESCI: an overlay map-based bibliometric study
Scientometrics, 18 March 2017

“Indexing in the ESCI will improve the visibility of a journal, provides a mark of quality, and is good for authors. We have already seen examples of institutions and funders suggesting publication in an ESCI listed journal, similar to what already takes places with other Web of Science databases.”

James Hardcastle, Senior Manager, Product Analytics, Taylor & Francis
13 February 2017
ESCI Content

Why These Journals Matter to Your Faculty

Discoverability and recognition of one’s work.

<table>
<thead>
<tr>
<th>1. Assessing Knowledge Management Success</th>
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<tbody>
<tr>
<td>By: Jennex, Murray E.; Offman, Lorne</td>
</tr>
<tr>
<td>INTERNATIONAL JOURNAL OF KNOWLEDGE MANAGEMENT Volume: 1 Issue: 2 Pages: 32-49 Published: APR-JUN 2005</td>
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<td>Times Cited: 126 (from Web of Science Core Collection)</td>
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<tr>
<td>2. A Model of Knowledge Management Success</td>
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<tr>
<td>By: Jennex, Murray E.; Offman, Lorne</td>
</tr>
<tr>
<td>INTERNATIONAL JOURNAL OF KNOWLEDGE MANAGEMENT Volume: 2 Issue: 3 Pages: 51-68 Published: JUL-SEP 2006</td>
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<td>3. Security as a contributor to knowledge management success</td>
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<tr>
<td>By: Jennex, Murray E.; Zyngier, Suzanne</td>
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<tr>
<td>INFORMATION SYSTEMS FRONTIERS Volume: 9 Issue: 5 Pages: 493-504 Published: NOV 2007</td>
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<tr>
<td>4. Impacts from Using Knowledge: A Longitudinal Study from a Nuclear Power Plant</td>
</tr>
<tr>
<td>By: Jennex, Murray E.</td>
</tr>
<tr>
<td>INTERNATIONAL JOURNAL OF KNOWLEDGE MANAGEMENT Volume: 4 Issue: 1 Pages: 51-64 Published: JAN-MAR 2009</td>
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<td>Times Cited: 22 (from Web of Science Core Collection)</td>
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<td>Usage Count: ～</td>
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<td>5. A Revised Knowledge Pyramid</td>
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<td>By: Jennex, Murray E.; Bartczak, Sammer E.</td>
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Dr Jennex’s two most highly cited journal articles are found in ESCI content, within the ESCI backfile.
ESCI Content
Why These Journals Matter to Your Faculty

Dr. Brian T. McMahon, Virginia Commonwealth University

23 of this author’s publications in Web of Science Core Collection – about 25% are located in the ESCI Backfiles Archive.
ESCI Content
Why These Journals Matter to Your Faculty

More comprehensive discovery of topics of interest within a trusted body of research.

931 Results
ESCI 2015-present

720 Results
ESCI Backfiles 2005-2014

About 29% of Results from ESCI
ESCI Content
Why These Journals Matter to Your Faculty
(and administrators)

A more comprehensive view of institutional output and impact

From 2005-2019, 17% of DePaul’s Web of Science Core Collection published output resides within the ESCI.

The ESCI backfile alone includes over 730 published items for DePaul or about 11% of their overall published output 2005-20019
In summary -- We use a single set of criteria to evaluate journals
These are organized into ‘quality’ and ‘impact’ criteria.

- Journals that meet the ‘quality’ criteria are indexed in the Emerging Sources Citation Index within Web of Science Core Collection.
- Journals that meet the additional ‘impact’ criteria enter the SCIE, SSCI or AHCI.

**Web of Science Core Collection – over 21,000 journals indexed cover-to-cover**
Allows search and discovery of a trusted set of titles with comprehensive coverage in terms of subject, region, and medium (journals, books, proceedings).

**SCIE, SSCI and AHCI**
For a focus on the most impactful journals.

**Our collections are dynamic and subject to continuous curation to ensure journals are appropriately placed with Web of Science Core Collection**
Thank you

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