Scopus: How do Author Profiles work and how can they help you showcase your research

Presenter
Jessica Kowalski
Director Market Development Scopus and Engineering Village

May 19th, 12:00pm EDT
We suggest viewing the presentation in full screen
What you should do if you have questions

You are welcome to submit questions by using the “Ask a Question” feature on your screen. At the end of the presentation, the moderator will choose a few of the questions to answer.

Today, we’ll be live Tweeting using the #scopusfocus
Thank you for joining our monthly Scopus webinar series

Each month, a Scopus team member hosts a webinar with the aim to improve your Scopus experience and to answer questions about that month’s topic.

Upcoming Scopus webinars

- **Scopus: Using the right metrics**
  - Norman Azoulay, Product Manager, Scopus
  - Jun 16 2016, 12:00 pm

- **What types of APIs does Scopus offer and how can you benefit?**
  - Becky Brown, Market Development Manager
  - Jul 21 2016, 12:00 pm

Sign up for the series at blog.scopus.com/webinars

Today, we’ll be live Tweeting using the #scopusfocus
What will you learn?

• Brief Introduction to Scopus
• Why are Author Profiles necessary?
• What is an Author Profile in Scopus?
• How are Author Profiles created?
• How can you make corrections to an Author Profile?
• What is ORCID and how does the integration with Scopus work?
Introduction to Scopus
What is Scopus?

Scopus is the largest abstract and citation database of peer-reviewed literature, and features smart tools that allow you to track, analyze and visualize scholarly research.
Scopus includes content from more than 5,000 publishers and more than 105 different countries
61.0M records from 22K serials, 90K conferences and >120K books

- Updated daily
- “Articles in Press” from > 3,750 titles
- 40 different languages covered
- 3,715 active Gold Open Access journals indexed

JOURNALS

<table>
<thead>
<tr>
<th>Physical Sciences</th>
<th>Health Sciences</th>
<th>Social Sciences</th>
<th>Life Sciences</th>
</tr>
</thead>
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<tr>
<td>7,443</td>
<td>6,795</td>
<td>8,086</td>
<td>4,492</td>
</tr>
</tbody>
</table>

22,460 peer-reviewed journals
361 trade journals

CONFERENCES

90K conference events
7.3M conference papers

Mainly Engineering and Computer Sciences

BOOKS

531 book series
30K Volumes / 1.2M items

123,790 stand-alone books
>1M items

Focus on Social Sciences and A&H

Full metadata, abstracts and cited references (ref’s post-1995 only)

Source: November 2015 title list at https://www.elsevier.com/solutions/scopus/content
More than 3,500 organizations, including over 150 leading funding, assessment and ranking bodies rely on Scopus data.
Scopus data is also involved in a number of key reports on mobility, gender and international collaboration
Why are author profiles important?
Scopus Profiles are...

- Comprehensive (~12 million Author Profiles and 8.5 million Affiliation Profiles)
- Easy to integrate (via RSS or the Scopus APIs)
- Widely used (interoperable with ORCID, VIVO)
- Are algorithmically created and can be manually updated and corrected (unlike the competition)
Two key ways profiles are used...

For Research/Discovery (qualitative):
• I search for a paper and then use author names to look for more content so I can learn more.
• I look for an author so that I can see their work or collaborate with them.

For Metrics (quantitative):
• I want to know how many papers a particular author puts out so I can measure them (or myself!).
Identification vs. Profiling

- Unique
- Associated with one person

VS.

- Group of files/data
- Associated with one name
Manual vs. Algorithmic

VS.

facebook
LinkedIn
ResearcherID
White Pages
123people
peoplefinders
Scopus
Why Scopus Author Profiles?

The Vast Universe of Research

The most powerful ALGORITHMIC data processing in the industry

Groups papers to a profile with high degree of accuracy based on matching of name, email, affiliation, subject area, citations, co-authors,...

MANUAL feedback via the Author Feedback Wizard

Combines the starting point from the algorithm profiles and the manual feedback to create the most accurate profiles with the least effort.

Scopus Author Profiles
What are Scopus Author Profiles?
Author Profiling Objectives

1. When processing an incoming article in the Scopus database, assign *unique identifier* to each author of an article.
2. Cluster articles of an author together.
3. Distinguish between different authors having the same name.
4. Create an Affiliation history for an author.
What Scopus metadata is used in Author Profiling?

- Title
- Abstract
- Author, Co-Author
- Citations
- Keywords
- Affiliation
- Department (if available)
- Source
- ASJC classification
- Publication date
How do we look at Author Profile quality?

• **Precision**
  • Precision is defined as average percentage (%) of articles that belong to same author profile

• **Recall**
  • Recall is defined as average percentage (%) of author’s publications that are in the author’s largest single .5% profile
How are Author Profiles created?
Scopus Profiles “Under the Hood”

Data From Various Sources

Electronic Format

“Structuring”
- Author = ?
- Publication Date = ?
- Affiliation = ?

Structured Content
- Author = A. Lee
- Pub Date = 3/1/2009

Name Matching
Author = “A. Lee”

A. Lee

Scopus.com
An algorithm processes every new article...

**INPUT**

Incoming Article

Search existing profiles & find candidates (e.g. finds 1000 matches)

**STEP1**

FILTER

- Name
- Publication
- Year Gap
- Co-Author (e.g. now 300 matches remaining)

**STEP2**

MERGE①

Strongest criteria
- Affiliation
- Email

**STEP3**

MERGE②

- Normalized keywords
- Title
- Abstract

**STEP4**

MERGE③

Reference
Source title
Subj. area
Co-Author

**OUTPUT**

‘Temporary’ profile becomes a new single author profile

Remove unmatched profiles (e.g. 700)

‘Temporary’ profile gets merged with existing profile

Profile is searchable when a new article is being processed
Other components of the Scopus algorithm

• Frequent Name rules
• Manually-adjusted profile rules
• Publication year gap rules
• Asian name considerations
• Co-authors
Taking a look at Author Profiles in Scopus
Conduct a search in Scopus (example: zika virus)
See what authors are publishing on a topic from your search results

TITLE-ABS-KEY (zika virus)

505 document results

Search within results...

Refine

Year
- 2016 (338)
- 2015 (55)
- 2014 (29)
- 2013 (3)
- 2012 (5)

Author Name
- Musso, D. (19)
- Cao-Lormeau, V.M. (12)
- Schmidt-Chanasit, J. (11)
- Sall, A.A. (9)
- Honein, M.A. (9)

Subject Area
- Medicine (447)
- Immunology and Microbiology (136)

Full Text
- Present and future arboviral threats
  - Weaver, S.C., Reisen, W.K.

Full Text
- Zika virus outbreak on Yap Island, Federated States of Micronesia
  - Duffy, M.R., Chen, T.-H., Hancock, W.T., (...), Fischer, M., Hayes, E.B.

Full Text
- Zika Virus (I). Isolations and serological specificity
  - Dick, G.W.A.

Full Text
- Zika virus outside Africa
  - Hayes, E.B.

Full Text
- Genetic and serologic properties of Zika virus associated with an epidemic, Yap State, Micronesia, 2007
See an author’s papers matching your query

View Musso, D. s author details

Affiliation: Institut Louis Malardé, Papeete, French Polynesia

19 documents published by Musso, D. matches your query

(Showing first 19 results)

- Potential sexual transmission of zika virus
  Musso, D., Roche, C., Robin, E., Nhan, T., Teissier, A., Cao-Lormeau, V.-M.
  (2015) Emerging Infectious Diseases

- Zika virus, French Polynesia, South Pacific, 2013
  (2014) Emerging Infectious Diseases

- Zika virus infection complicated by guillain-barré syndrome "case report,
  French Polynesia, December 2013

Limit your results to these 19 documents only
Exclude these 19 documents from your results
Present and future arboviral threats  (Review)

Weaver, S.C.¹ Reisen, W.K.²

¹ Department of Pathology, Center for Biodefense and Emerging Infectious Diseases, University of Texas Medical Branch, Galveston, TX 77555-0609, United States
² Center for Vectorborne Diseases, Department of Pathology, Microbiology and Immunology, School of Veterinary Medicine, Davis, CA 95616, United States

Abstract

Arthropod-borne viruses (arboviruses) are important causes of human disease nearly worldwide. All arboviruses circulate among wild animals, and many cause disease after spillover transmission to humans and agriculturally important domestic animals that are incidental or dead-end hosts. Viruses such as dengue (DENV) and chikungunya (CHIKV) that have lost the requirement for enzootic
Weaver, Scott C.

UT Medical Branch at Galveston, Institute for Human Infections and Immunity and Department of Microbiology and Immunology, Galveston, United States

Author ID: 7101907789

Documents: 315
Citations: 8936 total citations by 4368 documents
h-index: 51

Co-authors: 150 (maximum 150 co-authors can be displayed)
Subject area: Immunology and Microbiology, Medicine View More
Conducting an Author Search
Conducting an Author Search

Document search | **Author search** | Affiliation search | Advanced search

- Misra
- Kaushik

Affiliation... e.g. University of Toronto...

ORCID... e.g. 1111-2222-3333-4444

Limit to:

- Subject Areas
  - Life Sciences
  - Health Sciences
  - Physical Sciences
  - Social Sciences & Humanities
Scopus algorithm disambiguates authors with the same name

<table>
<thead>
<tr>
<th>Misra, Kaushik K.</th>
<th>Misra, Kaushik</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>19 Pharmacology, Toxicology and Pharmaceutics, Neuroscience, Medicine, ...</td>
<td>2 Chemical Engineering, Chemistry, Biochemistry, Genetics and Molecular Biology</td>
</tr>
<tr>
<td>Scripps Research Institute, San Diego, United States</td>
<td>Indian Institute of Technology, Kharagpur, India</td>
</tr>
</tbody>
</table>

Display 20 results per page
Scopus Author Profile

Misra, Kaushik K.
Scripps Research Institute, San Diego, United States
Author ID: 7102886702
http://orcid.org/0000-0001-9248-3369

Documents: 19
Citations: 556 total citations by 422 documents
$h$-index: 13
Co-authors: 41
Subject area: Pharmacology, Toxicology and Pharmaceutics, Neuroscience

About Scopus Author Identifier | View potential author matches
Other name formats: Misra, Kaushik

Analyze author output
View citation overview
View $h$-graph

View More
How can we correct Author Profiles?
Why do we need feedback (in some cases) to get to 100% accuracy of profile?

- Variations in input metadata (received from publishers) makes it impossible to profile with 100% accuracy
- Authors with high frequency names publishing in same fields and in some cases within same affiliation and department
- Author changing the field in which they publish
- Author moving to a different affiliation
- Women changing last name upon marriage
- Author publishing with a new name variant
- Mixed name styles: Hong Kong, Singapore, Chinese authors in Western countries
- Variation in use of local or English language for affiliations in input articles
  - Ex: Free Universities of Brussels (English) and Université Libre de Bruxelles (French)
Author Profiling Corrections

• Types of Corrections
  • **Merges** (combining two or more author profiles together and updating associated Scopus articles as well)
  • **Splits** (separating articles from one author profile to another author profile (existing or new one))
  • Overrides or **detail mistakes** (changing name, email of author profile)
  • Content is **missing** and should be in Scopus based on Content Coverage guidelines

Requests to update author’s affiliation isn’t allowed as affiliation history in an author profile is built based on articles linked to respective author profile.
You can make corrections directly from an author profile.
You can also make corrections by searching in the Author Feedback Wizard

For simple merges and splits:
www.scopusfeedback.com
Turnaround time: 36 hours
# Simple step-by-step process

## Review your authored documents

Please indicate below which of the 19 documents are authored by you.

<table>
<thead>
<tr>
<th>Document Title</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The NK1 receptor antagonist L822429 reduces heroin reinforcement</td>
<td>Barbier, E., Vendruscolo, L.F., Schlosburg, J.E., Edwards, S., Juergens, N., Park, P.E., Misra, K.K., Cheng, K., (...), Heilig, M.</td>
</tr>
<tr>
<td>A combination of buprenorphine and naltrexone blocks compulsive cocaine intake in rodents without producing dependence</td>
<td>Wee, S., Vendruscolo, L.F., Misra, K.K., Schlosburg, J.E., Koob, G.F.</td>
</tr>
<tr>
<td>Development of mechanical hypersensitivity in rats during heroin and ethanol dependence: Alleviation by CRF 1 receptor antagonism</td>
<td>Edwards, S., Vendruscolo, L.F., Schlosburg, J.E., Misra, K.K., Wee, S., Park, P.E., Schulteis, G., Koob, G.F.</td>
</tr>
</tbody>
</table>
Scopus and ORCID
ORCID Profiles
Unique ID for researchers

ORCID aims to solve the name ambiguity problem in research and scholarly communications by creating a central registry of unique identifiers for individual researchers.

Dr. Smith
Dr. J. Smith
Dr. James Smith

Dr. James Smith
46533489
ORCID has been gaining users

ORCID Statistics

- Live ORCID iDs: 2,222,700
- ORCID iDs with at least one work: 448,994
- Works activities: 13,379,270 (publications, data sets, patents and other research outputs)
- Unique DOIs: 6,039,648

2,222,700 ORCID iDs and counting. See more...
http://orcidlive.org/
Scopus to ORCID

Azoulay, N. G.
Beth Israel Deaconess Medical Center,
Department of Neurology, Boston, United States
Author ID: 55626006400
http://orcid.org/0000-0003-1453-4882

Documents: 1
Citations: 11 total citations by 11 documents
h-index: 1
Co-authors: 11
Subject area: Neuroscience

Add to ORCID

Bilateral subcortical heterotopia with partial callosal agenesis in a mouse mutant
Rosen, G.D., Azoulay, N.G., Griffin, E.G., (...), Lu, L., Williams, R.W.
2013 Cerebral Cortex
11 Open Access

Scopus Author Profiles are available to subscriber and non-subscriber
Selected paper imported from Scopus to ORCID

Bilateral subcortical heterotopia with partial callosal agenesis in a mouse mutant

Cerebral Cortex
2013 | journal-article
DOI: 10.1093/cercor/bhs080
URL: http://www.scopus.com/inward/record.url?eid=2-s2.0-84875134116&partnerID=RN...
Search by ORCID in Scopus

Register now for the free Scopus webinar on May 19th: How Author Profiles work and how they can help you.
ORCID displayed in Scopus Author Profiles

http://orcid.org/0000-0003-1453-4882

Azoulay, N. G.
Beth Israel Deaconess Medical Center,
Department of Neurology, Boston, United States
Author ID: 55826006400
Other name formats: Azoulay

Documents: 1
Citations: 11 total citations by 11 documents
h-index: 1
Co-authors: 11
Subject area: Neuroscience
Scopus Author Profiles and ORCID complement each other

<table>
<thead>
<tr>
<th>Scopus Author Profiles</th>
<th>ORCID</th>
</tr>
</thead>
</table>
| **How are Profiles created?** |  • Algorithmically created using peer-reviewed content included in Scopus  
  • Enhanced by manual feedback from Scopus users and researchers |  • Individuals register, build and maintain their own researcher profiles and include the content they want |
| **Coverage** |  • Every author with a publication included in the Scopus database |  • Anyone who wants to create an ORCID for themselves |
| **Use cases** |  • Search and discovery  
  • Comprehensive metrics and insight |  • Researchers can manage their own scholarly identity  
  • Single source of profile data |
| **Complementarity** |  • Researchers can pre-populate their ORCID profiles from their Scopus profiles |  • Scopus processes the ORCID public data file to increase the quality of Author Profiles |
## Scopus’ contribution to ORCID

### Scopus and ORCID

<p>| | |</p>
<table>
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<tbody>
<tr>
<td>Unique DOIs in ORCID</td>
<td>5,951,458</td>
</tr>
<tr>
<td>Unique Scopus docs submitted to ORCID</td>
<td>4,673,532</td>
</tr>
</tbody>
</table>

**195k** users have exported their Scopus Author IDs to their ORCID Profiles

### Country

1. Russia
2. United States
3. Hong Kong
4. United Kingdom
5. Latvia
6. China
7. Kyrgyzstan
8. (not set)
9. Ukraine
10. Spain

### Distinct ORCIDs matched to Scopus Author ID by day

![Graph showing the distribution of ORCIDs matched to Scopus Author IDs by day](chart.png)
We are the **only database provider** to use a combination of algorithm and manual corrections on such a **large A&I database**.

As a result our users benefit from some of the **best author profiles in the industry**.

We realize that Author Profiles are **not perfect**, but we **strive for the best possible quality**.

Through constant algorithm enhancements, profile re-evaluations, manual feedback and professional profiling services (i.e. SciVal Experts) our **profiles are increasing in both accuracy and completeness**.
## Important Scopus resources to stay up to date:

<table>
<thead>
<tr>
<th>Site</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scopus Info Site</td>
<td><a href="https://www.elsevier.com/solutions/scopus">https://www.elsevier.com/solutions/scopus</a></td>
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<td>Scopus Blog</td>
<td><a href="http://blog.scopus.com">http://blog.scopus.com</a></td>
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<td>Scopus newsletter</td>
<td><a href="https://communications.elsevier.com/webApp/els_doubleOptInWA?do=0&amp;srv=els_scopus&amp;sid=71&amp;uif=0&amp;uvis=3">https://communications.elsevier.com/webApp/els_doubleOptInWA?do=0&amp;srv=els_scopus&amp;sid=71&amp;uif=0&amp;uvis=3</a></td>
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<td>Facebook</td>
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<td>LinkedIn</td>
<td><a href="https://www.linkedin.com/company/scopus-an-eye-on-global-research">https://www.linkedin.com/company/scopus-an-eye-on-global-research</a></td>
</tr>
<tr>
<td>YouTube</td>
<td><a href="https://www.youtube.com/c/ScopusDotCom">https://www.youtube.com/c/ScopusDotCom</a></td>
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</table>
Upcoming Scopus Webinars

Scopus: Using the right metrics
Norman Azoulay, Product Manager, Scopus

Jun 16 2016, 12:00 pm

What types of APIs does Scopus offer and how can you benefit?
Becky Brown, Market Development Manager

Jul 21 2016, 12:00 pm

Register at blog.scopus.com/webinars
QUESTIONS?
Thank you and please join us again next month.

A recording of this webinar will soon be made available via BrightTALK.