Guide to SciVal Experts

SciVal® Experts

Unlock the promise of your research

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Introduction

In an effort to improve your ability to identify researcher expertise and potential collaborators, the University of Arizona has launched SciVal Experts, a powerful research networking tool. Traditionally, researchers find collaborators through informal means such as personal connections or word-of-mouth recommendations. With SciVal Experts, you will be able to quickly and easily find a wider range of relevant researchers within the University and across organizations.

This guide is designed to help you get started using SciVal Experts right away. Read further to learn about navigation and search basics, as well as how to get the most out of the University's researcher profiles.

What is SciVal Experts?

SciVal Experts is an expertise profiling and research networking tool that makes it easy for you to find experts and enable collaboration within the University and across organizations. Powered by the Elsevier Fingerprint Engine™, SciVal Experts scans and analyzes every publication in Elsevier's Scopus, creating a semantic index, or Fingerprint™ visualization, of individual researcher's expertise and exposing connections among authors.

How Can I Benefit From SciVal Experts?

SciVal Experts can benefit a wide range of personnel at THE UNIVERSITY including:

Researchers:
- Find collaborators for funding opportunities and research projects
- Publicize your expertise and increase your visibility across the research community
- Track your list of publications and review other researchers' output

Research Administrators, Managers and Research Development Professionals:
- Understand the expertise of researchers in your organization and fulfill requests for experts
- Track network connections within and across units and onboard new faculty

Deans and Unit Heads
- Understand the expertise of researchers in your organization and channel requests for experts
- Track output within and across units

Research Executives:
- Identify organizational strengths and understand productivity across units
- Demonstrate the University of Arizona's expertise across the research community, industry and the public

Have a different role? SciVal Experts can help a variety of other users. Please see the FAQs for more information.

How is My Profile Created?

Publications in your profile are pulled from Scopus, the largest abstract and citation database of peer-reviewed literature. With over 19,500 titles from more than 5,000 international publishers, Scopus offers researchers a quick, easy and comprehensive resource to support their research needs in the scientific, technical and medical fields as well as the social sciences.

Powered by **Scopus®**

For more information regarding Scopus, its coverage and the Content Selection & Advisory Board, please visit **www.info.sciverse.com/scopus**

The SciVal Experts Interface

There are five main levels in SciVal Experts:

- Organization – Home Page
- Unit
- Individual Researcher
- Publication/ Grant
- SciVal Experts Community/ DIRECT2Experts

Organization – Home Page

The SciVal Experts home page provides an overview of the University including its units, the most recent Scopus publications and the latest awarded grants, if included in the application. Click a unit, publication or grant to access related information, or conduct a search in the upper right-hand of the screen.
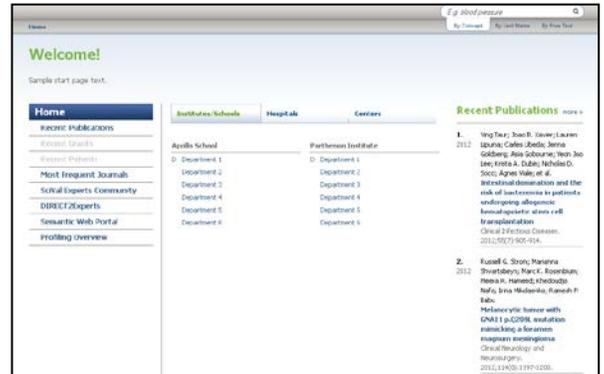
Unit

From the home page, you can click on a unit to access a profile of the entire division. Each unit page provides a brief snapshot of the division's Research Profile, including the top 10 concepts associated with the unit, recent Scopus publications and some of the unit's institutional collaborators.

Click on an item from the menu on the left-hand of the screen to view information about the unit, including its complete Research Profile, publications and institutional network.
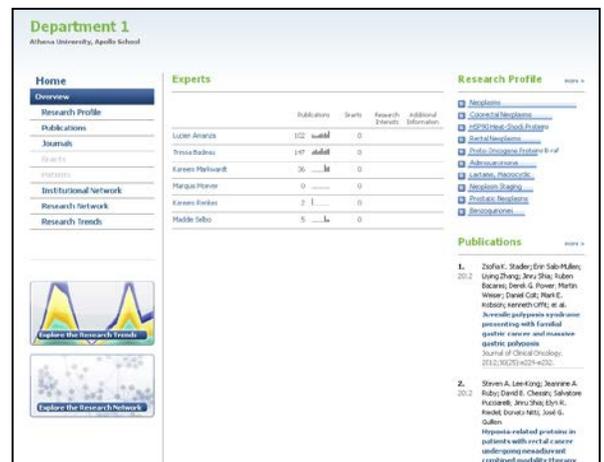
Individual Researcher

To view the profile of an individual researcher, click the author's name on the unit page or search by last name. The researcher's overview page includes a snapshot of all of the information contained in the researcher's profile. From this page, you can view concepts in which the researcher has an expertise, access their Scopus publications and grants and identify other researchers with whom they've collaborated.

The menu on the left-hand of the screen allows you to explore each of these sections in more detail, including the researcher's list of Scopus publications, co-author relationships and similar experts within the institution.

Publication/ Grant

Click on an individual publication or grant to access additional details, including the abstract and a link to the article in Scopus, or the award announcement.

Further down the page the Scientific Context section shows related topics, experts, publications and grants.

SciVal Experts Community/ DIRECT2Experts (optional)

From the home page, you can also identify potential collaborators in other institutions. The SciVal Experts Community feature enables users to search for experts across other SciVal Experts applications.

The DIRECT2Experts feature allows users to identify experts at institutions that have other research profiling systems besides SciVal Experts. DIRECT2Experts is a pilot project facilitated by the Clinical & Translational Science Award Consortium, which is supported by the National Institutes of Health.

Participation in both of these networks is voluntary.

How Do I Use SciVal Experts?

How Do I Navigate My Profile?

Access your profile by conducting a search by last name

1. Click on By Last Name underneath the search box at the top-right side of the screen.
2. Enter your last name in the search engine.
3. Select your name from the list provided to pull up your profile.

Track your publication history

1. Click Publications in the left-hand menu to access a list of your publications from Scopus.
2. Click on any of the publications to access the publication details.

Review your unique research Fingerprint

1. Click Profile in the left-hand menu to access your Research Fingerprint, which shows key concepts across the content that makes up your profile, such as publications or grants.
2. The length of the bars indicates the significance of each term relative to all of your research concepts, adding stronger weight to those concepts that are more unique.
3. Click on the plus symbol to the left of any of the concepts to see which publications caused the chosen term to appear.
4. Click on the concept itself to run a search for other researchers at the UA who have focused on the same concept in their own work.

Explore additional tools and resources

Within each profile, you can also access an inventory of journals in which you have published, a list of similar experts, and detailed views of your co-author and institutional networks. In addition, you can access interactive visualizations to identify trends in your research output over time and explore relationships in your co-author network.

How Do I Update My Publications From Scopus?

Submit feedback to SciVal's Profiles Team

1. Click the Edit Your Profile button at the top-right of your profile page
2. Click Provide Feedback to the QA Team towards the top of the page
3. Complete the feedback form on the following page
4. You will receive a confirmation email from Elsevier and your request will be processed promptly

How Do I Enter Additional Information Into My Profile? (optional)

**Log in to the Profile Enhancer to edit your profile**

1. Click the Edit Your Profile button at the top-right of your profile page
2. Click Update My Profile With My Own Information on the next page
3. Enter your username and password in the login box. Your username is your institutional email address.
4. If you are a new user, click the "New User" option in the lower right corner of the login box and supply your e-mail address to reset your password.
5. You will receive an email enabling you to reset your password. Click the link within the email to set up your new password. Enter your new password.
6. The first time you access the tool, you will be prompted to select up to three domains that represent your areas of expertise. Make your selections and click Save.
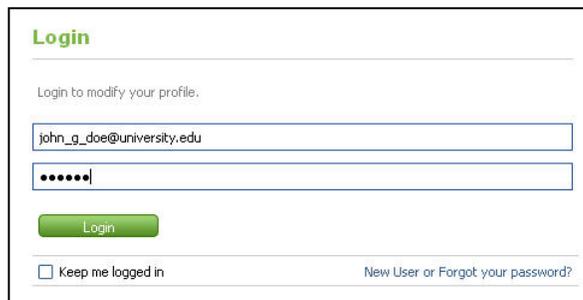
Add content to your profile

1. From the welcome screen, click on any of the Add buttons on the left-hand of the page to enter additional information into your profile
2. Forms are provided for a range of data types including awards and honors, publications, and more
3. For example, click on Add Publications
4. Click on Book Chapters
5. Complete the form provided for Book Chapters. Fields with an orange bar are required.
6. Once you've completed the form, click Save
7. Click My SciVal Experts Profile. The information you entered will now be displayed in your profile.
8. Any publication, grant or patent data entered into the Profile Enhancer will be incorporated into your Fingerprints.
9. If you enter a research statement or research interest keywords, they will be indexed in the SciVal Experts Boolean search.
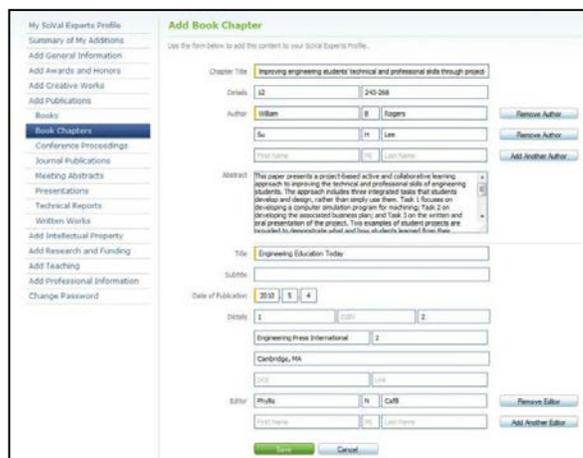
Edit the content you added to your profile

1. To edit the content you added to your profile, click the relevant Add button on the left-hand of the page
2. For example, to edit your book chapter data, click Add Intellectual Property
3. SciVal Experts displays all the data you entered under Publications
4. Click Edit next to the item you'd like to modify
5. Edit the content in the form and click Save
6. The entry will automatically be updated in your profile

How Can I Find Experts in a Specific Concept Within My Institution?

Search by a concept of interest to identify experts in a specific area of research.

1. Input the concept in the search engine at the top of any page and search 'By Concept'. You can also click on any concept throughout the tool to instantly search on that term.
2. Select the specific concept from the list of related terms provided.
3. The list of researchers is organized in order of how relevant the concept is to each author's publication history in Scopus. To the right of each researcher's name is the number of publications the author has produced as well as the number of grants received.
4. SciVal Experts also provides you with a list of additional concepts that appear in conjunction with your original search term to help you narrow your search. Add or remove concepts to refine your search.
5. Click on the plus symbol to the left of the researcher to access his or her publications which are associated with the concept or group of concepts you searched.
6. Click on the researcher's name to access his or her profile.

Run a Boolean search to find collaborators across domains.

1. If you would like to search more broadly, you can conduct a Boolean search across all content beyond the concept keywords.
2. First, enter a concept in the search engine at the top of any page and search 'By Concept'.
3. At the top of the list of related concepts provided by SciVal Experts, there is a link enabling you to search more broadly. Click the link to run a Boolean search.
4. Refine your search by updating the keywords in the Your Search box at the top-right. Additional search options will be provided.

How Can I Identify Similar Experts in My Institution?

In addition to searching by concept in SciVal Experts, you can also identify potential collaborators by using the Similar Experts feature.

1. Pull up your own profile and click on the Similar Experts tab.
2. SciVal Experts shows researchers in the UA whose Fingerprints closely resemble yours, categorized as co-authors and non co-authors.
3. Click on a researcher's name to access his or her profile, where you can view the researcher's Fingerprint, publication history, and his or her own list of similar experts.

How Can I Learn About an Individual's Research Activities?

Access the researcher's profile by searching by last name.

1. Click on By Last Name underneath the search box at the top-right side of the screen.
2. Enter the last name of the researcher you are searching for.
3. Select the researcher from the list provided to view his or her profile.

Review a researcher's publication history.

1. Click Publications in the left-hand menu to view the author's list of publications from Scopus.
2. Click on any of the publications to access the publication details.

Assess trends in the researcher's activities over time.

1. Click Trends in the left-hand menu to access the researcher's Trend chart, which shows how the author's research interests have evolved over time.
   This visualization presents the most significant concepts appearing in the researcher's work.
2. The height of each colored line represents the number of publications including the concept for a particular year. The chart shows the emergence of new research topics and changes in publication volume about these topics from year to year.
3. You can adjust this visualization to focus on a specific period of time or add and remove concepts using the checkboxes below the chart.

Review the researcher's Curriculum Vitae page (optional)

If the researcher's profile includes data entered into the Profile Enhancer module, the researcher's profile will include a link to the Curriculum Vitae page at the bottom of the left-hand menu.

1. Click the link to access the researcher's Curriculum Vitae page, which will include additional information about the researcher's educational background, employment and positions, awards and honors, certifications and licenses, and more.
2. The scope of data available on the researcher's Curriculum Vitae page depends on the data that has been entered into the Profile Enhancer.

How Can I Find the Right Researchers For a Funding Opportunity?

You can identify potential collaborators for a funding opportunity by searching for experts in a specific concept, outlined earlier in this guide, or by conducting a free text search.

Search by free text.

By conducting a free text search, SciVal Experts generates a Fingerprint of the text and matches it against the Fingerprints of researchers in the University. This can be done with any Request for Application, Program Announcement, call for proposal, funding announcement, abstract, or other text you may have available.

1. Copy the text from the source document.
2. Within SciVal Experts click on "By Free Text" below the search box. This opens up the free text search engine.
3. Paste the text into the search box, select a vocabulary for the analysis based on the type of researcher you are looking for, and click Find.
4. SciVal Experts provides you with a list of experts whose research output overlaps with the Fingerprint generated from the text.
5. To the right, you can view the Fingerprint and tailor your search by changing the weight of concepts, making certain concepts an absolute requirement, more or less important, or removing them entirely.
6. As you modify your search criteria, SciVal Experts refines the list of experts.
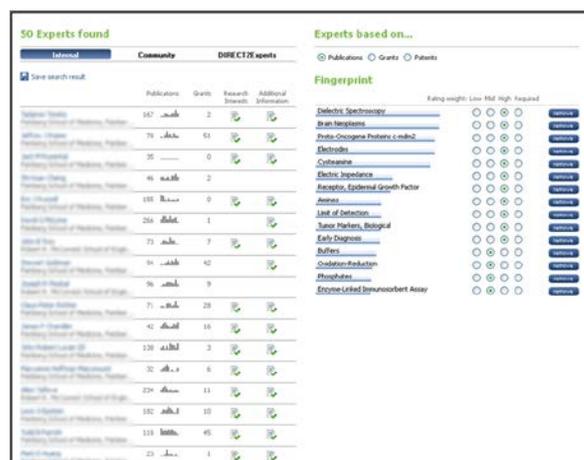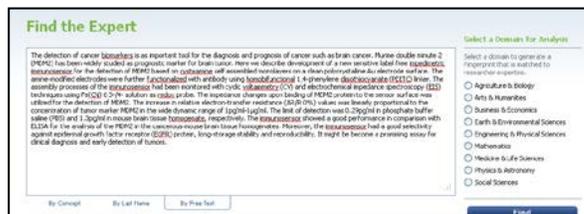
How Do I Navigate My Co-Author Network?

Access a list of your co-authors.

1. From your profile, click Co-Author Network in the left-hand menu to access a list of your co-authors inside and outside of the University. To the right of each researcher's name you'll find the number of shared publications and a histogram showing the author's research output over time.
2. Click on the plus symbol to the left of a researcher's name to access the publications you co-authored.
3. Click on an internal co-author's name to access his or her profile.

Access an interactive visualization of your co-author network.

1. From your profile, click Research Network in the left-hand menu to access a map of your co-author network.
2. The visualization continually reshapes itself to find the best view. Click anywhere in the box to pause the visualization.
3. The red circle represents you, the profiled researcher.
4. The purple circles represent your internal co-authors. The larger the circle, the more publications that researcher has produced. The lines connecting two researchers represent papers that they have published together. The thicker the line, the more shared publications.
5. Click on a line connecting two researchers to see which papers they published together.
6. Scroll over a circle to bring up the researcher's name. Click on the circle and scroll down the page to access a list of the top 10 concepts across the content that makes up the researcher's profile, such as publications or grants. Here you can also access a list of the author's most recent publications or grants.
7. Click on the researcher's name to access his or her full profile. From within their profiles you can explore their own co-author networks to identify potential collaborators.

How Can I Find Experts Outside of the University of Arizona?

**Search for potential collaborators across the
SciVal Experts Community.**

1. From the homepage, click SciVal Experts Community
   in the left-hand menu.
2. Search by concept, last name or full text, as outlined
   previously.
3. SciVal Experts provides you with a list of researchers
   at other institutions that have their own SciVal Experts site.
4. Click on a researcher's name to access his or her profile.
5. You can also run a search from any page within SciVal
   Experts to access a list of experts in the SciVal Experts
   Community. On the results screen, simply click on
   Community.

The SciVal Experts Community is available to all organizations
that adopt SciVal Experts. Each institution determines
if they will participate in the Community.

Find experts across the DIRECT2Experts network

1. From the homepage, click DIRECT2Experts in the
   left-hand menu.
2. Search by concept, last name or free text, as outlined
   previously.
3. If searching by free text, after you paste the text into the
   search box and click Find, select one or more concepts
   from the Fingerprint provided to complete your search.
4. SciVal Experts provides you with a list of the institutions
   that are part of the DIRECT2Experts Network.
5. To the right of each institution is the number of experts
   in the organization associated with your search
   criteria.
6. Click on an institution to access the researcher profiles
   in the organization's own profile system.
7. You can also run a search from any page within SciVal
   Experts to access a list of experts in the DIRECT2Experts
   network. On the results screen, simply click on
   DIRECT2Experts.

This network includes institutions that are part of DIRECT2Experts,
a pilot project facilitated by the Clinical & Translational Science
Award Consortium, which is supported by the National Institutes
of Health. Whereas the SciVal Experts Community consists of
SciVal Experts customers, this initiative links different research
networking tools together.

The DIRECT2Experts network is available to all organizations
that have adopted SciVal Experts. Each institution determines
if they will participate in the network.

Frequently Asked Questions

SciVal Experts

Which researchers are included in SciVal Experts?

The original selection priority for inclusion in SciVal was Tenured/Tenure Eligible faculty (TTE), non-TTE faculty with research grants, and selected (dean-defined) non-faculty with grants.

I'm currently not included in SciVal Experts. How can I add my name to the list?

If you are currently not included in SciVal Experts and wish to be considered for inclusion, please send a request, through your Dean's Office to the Office of the Senior Vice President for Research (garciac1@email.arizona.edu)

How can I get help with SciVal Experts?

For support with SciVal Experts, please contact Connie Garcia, garciac1@email.arizona.edu.

I'm not a researcher, administrator, dean, unit head or research executive. Can I still benefit from SciVal Experts?

SciVal Experts can benefit a wide range of other personnel at the UA including:

Librarians:
- Help researchers find collaborators and assist faculty members in preparing their promotion & tenure dossiers
- Track journals in which researchers are publishing

Students:
- Find mentors and understand their expertise
- Identify new journals and articles to read

Communications Specialists:
- Find experts to comment on news items
- Identify new articles and grants to promote

Human Resources Staff:
- Showcase researchers' expertise to the research community
- Connect researchers to one another

Development Officers:
- Match researchers to donors

If I would like a demonstration of SciVal Experts, who should I contact?

Please contact Ann McGuigan, Ph.D., Research Development Director, Office of the Senior Vice President for Research, amcguigan@email.arizona.edu

Which other institutions use SciVal Experts?

Most implementations of SciVal Experts are publicly available. You can access a complete list at:
www.info.scival.com/experts/clients
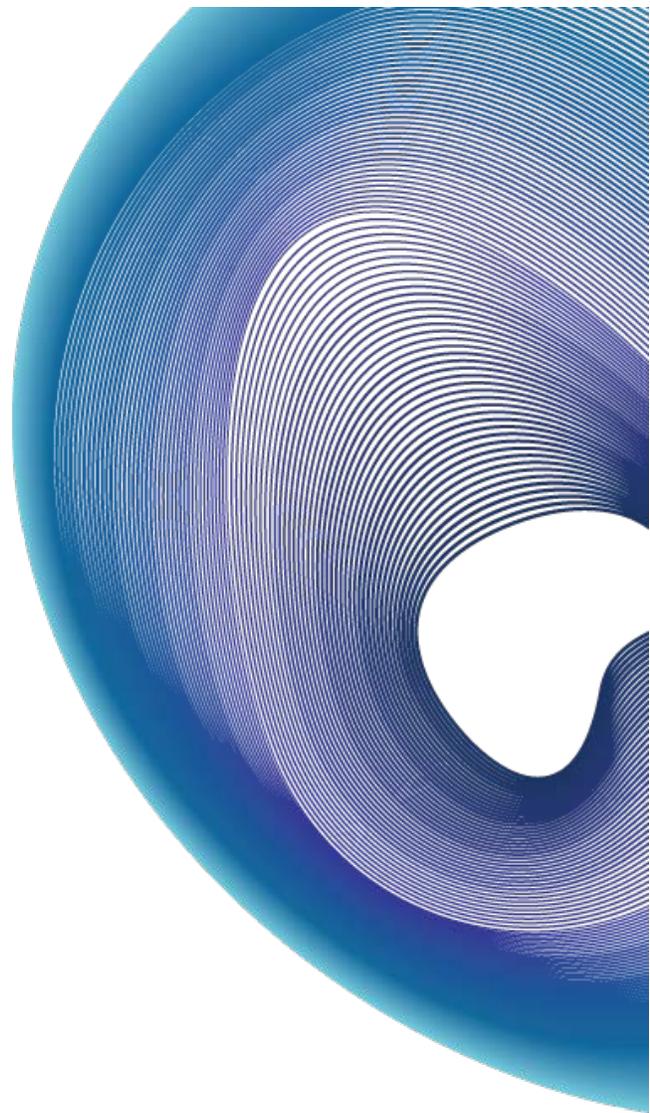
For additional support with SciVal Experts,
please contact **usinfo@experts.scival.com**

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