



Mahidol University
Wisdom of the Land



SciVal
ELSEVIER

“การวิเคราะห์และใช้งานโปรแกรม SciVal ตามแนวทางยุทธศาสตร์ ด้านวิจัยมหาวิทยาลัยมหิดล (SciVal for AXiiS)”

ครั้งที่ 2/2566

14 มิถุนายน 2566

เวลา 9.00 – 12.00 น.

ผ่านระบบ Cisco Webex Meeting



ดร.นริศรา โกมลวรรณะ
ศูนย์วิจัยและพัฒนาอุปกรณ์ชีวการแพทย์
สถาบันชีววิทยาศาสตร์โมเลกุล



Narisra Komalawardhana

Institute of Molecular Biosciences, Mahidol University

Education

Ph.D. in Science and Technology Education

Institute of Innovative for Learning, Mahidol University

Professional

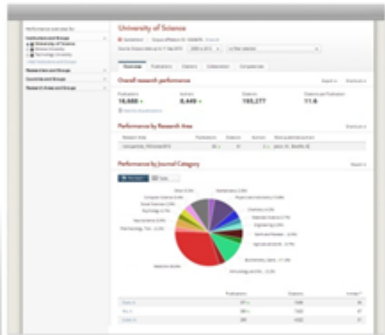
- 2020 – Now Head of Biomedical Instrumentation for Research and Development Center, Institute of Molecular Biosciences, Mahidol University
- 2013 – 2020 Head of Research Information and public relation Unit, Research Division, Mahidol University
- 2002 – 2012 Private Sectors related to Information Technology in business/
Data Analyst/Business Analyst/Project Manager





Visualize research performance

Ready made at-a-glance snapshots of any selected entity



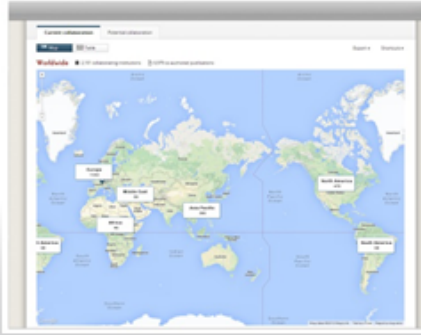
Benchmark your progress

Flexibility to create and compare any research groups



Develop collaborative partnerships

Identify and analyze existing and potential collaboration opportunities



Outline



SciVal
ELSEVIER

1. What is SciVal?
2. Overview Module
3. Benchmarking Module
4. Collaboration Module
5. Trends Module
6. Exercise/ Case study
7. SciVal for AXiiS



SciVal

เป็นผลิตภัณฑ์ในรูปแบบ web-based Tool ของบริษัท ELSEVIER เป็นเครื่องมือในการศึกษาสมรรถนะด้านการวิจัยของหน่วยงาน รวมทั้งความร่วมมือกับสถาบันอื่นๆ ทั้งภายในประเทศและต่างประเทศ ที่จะสามารถแข่งขันได้ในเวทีนานาชาติ เพื่อใช้ในการตัดสินใจเชิงยุทธศาสตร์ สามารถบอกและวิเคราะห์สมรรถนะของการวิจัยของหน่วยงานได้ในระดับภาควิชา หรือระดับประเทศได้ โดยใช้ข้อมูลจากฐานข้อมูล SCOPUS



SciVal is Elsevier's research intelligence tool

SciVal offers quick, easy access to the research performance of 220 nations and 8,500 research institutions worldwide, and groups of institutions



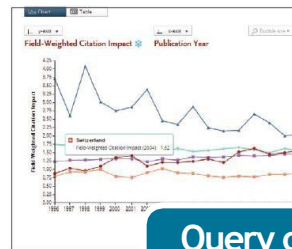
**Visualize
research
performance**

Ready-made-at a glance snapshots of any selected entity



**Benchmark
your progress**

Flexibility to create and compare any research groups



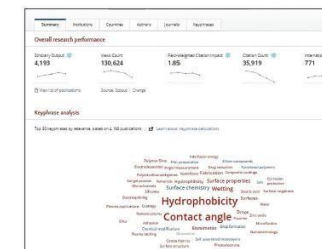
**Develop
collaborative
partnerships**

Identify and analyze existing and potential collaboration opportunities




**Analyze
research
trends**

Analyze research trends to discover the top performers and rising stars



Query over 170trillion
metric values





Unlock the promise of your research



Product Login: [Experts](#) | [Funding](#) | [Spotlight](#) | [Strata](#)


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Welcome to SciVal

Elsevier's SciVal research management solutions provide a sharp, panoramic view of the research landscape, enabling institutions to make more informed decisions to maximize the efficiency and impact of their organizations.

[For Research Institutions >>](#)
[For Funding Bodies >>](#)
[For Policy Making Bodies >>](#)







Unlock the promise of your research

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Home

Who We Serve

Products & Services

Research Initiatives

News & Events

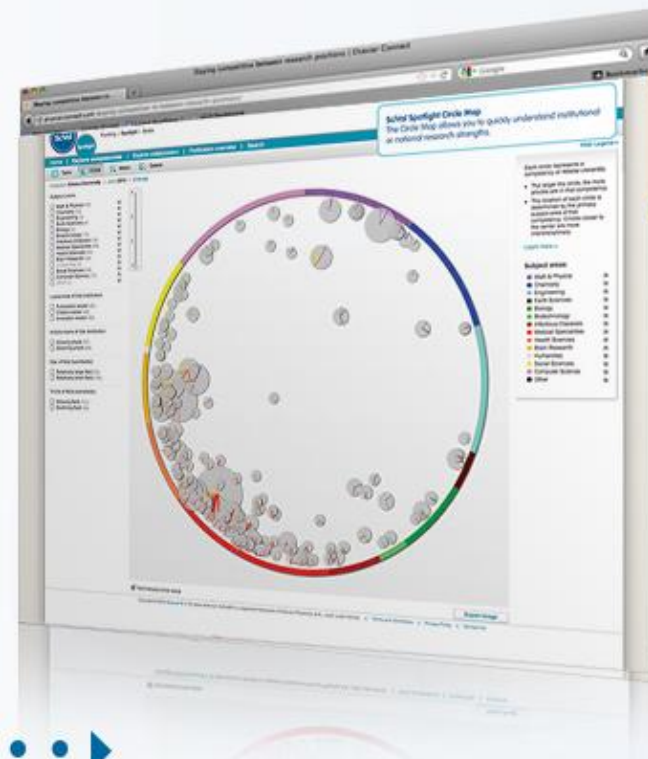
Resource Library

FAQ

SciVal Spotlight

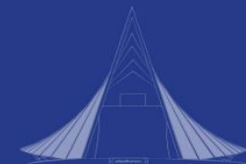
Evaluate your institution's or country's research strengths, define and execute your research strategy and explore opportunities for collaboration with peer institutions.

[Learn more >>](#)



II





Home	Overview	Benchmarking	Collaboration	My SciVal
------	----------	--------------	---------------	-----------

Welcome to SciVal



You can now choose your preferred **journal classification** - ASJC (Scopus), FoR (Australian and New Zealand Standard Research Classification), FOS (OECD) or UoA (UK's REF 2014 exercise)

The **Overview module** has a new and improved dashboard-style look and feel. The dashboard can be exported in PDF format for easy sharing with your colleagues.

See the full list of features in the October 2014 release

Overview



Get a high-level overview of the research performance of your Institution, other Institutions, Countries and Groups of Researchers.

Overview

Benchmarking



Compare and benchmark your Institution to other Institutions, Researchers and Groups of Researchers using a variety of metrics.

Benchmarking

Collaboration



Explore the collaboration network of both your Institution and other Institutions.

Collaboration

Welcome to SciVal



Overview

Get a high-level overview of the research performance of your Institution, other Institutions, Countries and Groups of Researchers.

Go to Overview



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Compare and benchmark your Institution to other Institutions, Researchers and Groups of Researchers using a variety of metrics.

Go to Benchmarking



Collaboration

Explore the collaboration network of both your Institution and other Institutions.

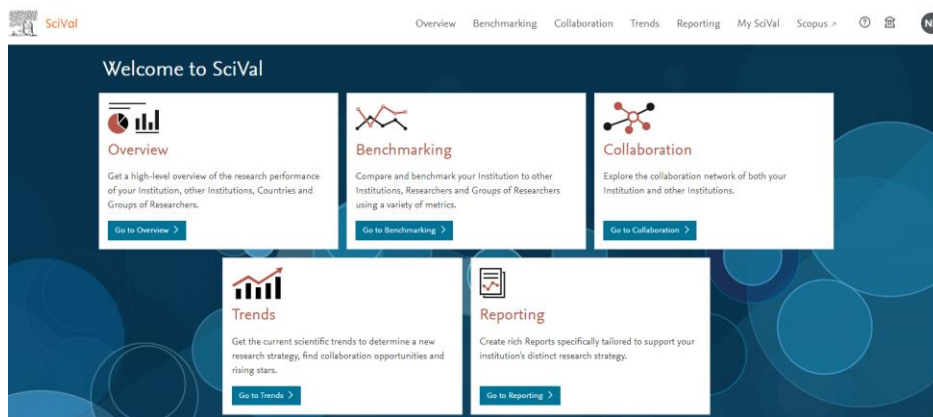
Go to Collaboration



Reports

Create rich Reports specifically tailored to support your institution's distinct research strategy.

Go to Reports



Quick Guide to SciVal

Get a quick overview of SciVal, how you can use it and how it can help you.

1. Getting started with SciVal
2. Working with entities
3. Using SciVal for strategic planning

View the SciVal Online Manual

January 2017 - New in this release

- You can set up reports which are specifically customized to reflect your institute's research objectives.
- We've updated the SciVal interface to give you a smoother experience as you move across all Elsevier platforms.

See the full list of features and benefits in the January 2017 release



Login



Welcome to SciVal

SciVal offers quick, easy access to research performance of more than 16,500 research institutions and their associated researchers from 231 nations worldwide.

Don't have access? [Request a consultation](#) ↗



Find

Find collaborators to spur innovative solutions to complex problems.



Demonstrate

Demonstrate my impact for promotion and funding applications.



Discover

Discover relevant cross-disciplinary areas of research.




SciVal provides 96,000 niche areas of research for you to explore

Locate specific areas of interest and find potential collaboration partners

[Learn more >](#)



 ELSEVIER


Welcome

Enter your email to continue with SciVal

Email

Continue

Sign in via your institution


 ELSEVIER

Find your institution

Enter your email or institution name to continue

Institutional email or name of institution

Continue

 ELSEVIER


Find your institution

Enter your email or institution name to continue


Institutional email or name of institution
Mahidol University

- Mahidol University
- Mahidol University Ramathibodi Hospital
- Mahidol University Faculty of Medicine Siriraj Hospital
- Jönköping University
- Creighton University

Can't find your institution? Refine your search.

 ELSEVIER

Enter your institutional email



Mahidol University

Institutional email

Continue

Try another institution



Check email

ELSEVIER

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Or use this link:

https://id.elsevier.com/ext/EIARedeem?dgcid=raven_id_institutionalaccess_email_SCIVAL&emailSignIn=8PVwYhTGuoibZD7ADcbho3LuwlmjWN05BdQpjcJlf0LdrgUVEBTySDksENEdD1hl&ui_locales=en-US

The Elsevier team



My SciVal Scopus ²³

Narisra Komalawardhana ✕
narisra.kom@mahidol.ac.th

Mahidol University

SciVal Preferences

Settings

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My Tags

Account Information

View my Elsevier account

Sign out

ELSEVIER Account

Changing your account details and settings will change them across other Elsevier products such as Mendeley and ScienceDirect. For more information, please [visit our Privacy Center](#).

Back to SciVal

- Sign in details
- Account information
- Communications

Sign in details

You can use your email address below to sign in.

Primary email

narisra.kom@mahidol.ac.th

Password

.....

Sign in

Enter your password to sign in to IdentitySettings

Email
narisra.kom@mahidol.ac.th

Password
|

[Forgot password?](#)

☐ Stay signed in (not recommended for shared devices)

Sign in

[Sign in with a different account](#)



Welcome to SciVal



Overview



View the research performance of Researchers, Institutions, Countries and more.



Benchmarking



Compare and benchmark the research performance of anything in SciVal.



Collaboration



Explore the collaboration of Institutions, Countries and Researchers.



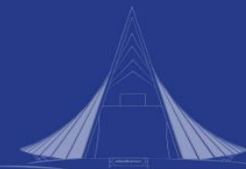
Trends



Dive deeper into an area of interest.



Research Areas provided by SciVal: [Quantum Simulation](#) | [SDG 15: Life on Land \(2022\)](#) | [View more](#)



Overview Module



SciVal

Overview

Benchmarking

Collaboration

Trends

Reporting

My SciVal

Scopus ↗



NK

Welcome to SciVal



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Hide tags

Institutions and Groups

★ Favorites

Mahidol University

Mahidol University ★

มหาวิทยาลัยมหิดล

Thailand [More details on this Institution](#)

2017 to >2022

All subject areas

ASJC

[Report from template](#)

[Data sources](#)

[Summary](#) [Topics](#) [Rankings](#) [Collaboration](#) [Published](#) [Viewed](#) [Cited](#) [Authors](#) [Patent Impact](#) [Media Impact](#) [Awarded Grants](#)

[+ Add Summary to Reporting](#) [Export](#)

[+ Add to Reporting](#)

Overall research performance

19,635 ▲

Scholarly Output ⓘ

52.8% All Open Access

[View list of publications](#)

13,722 ▲

Authors

1.11

Field-Weighted Citation Impact ⓘ

[Yearly breakdown](#)

158,398

Citation Count ⓘ

8.1

Citations per Publication ⓘ

100

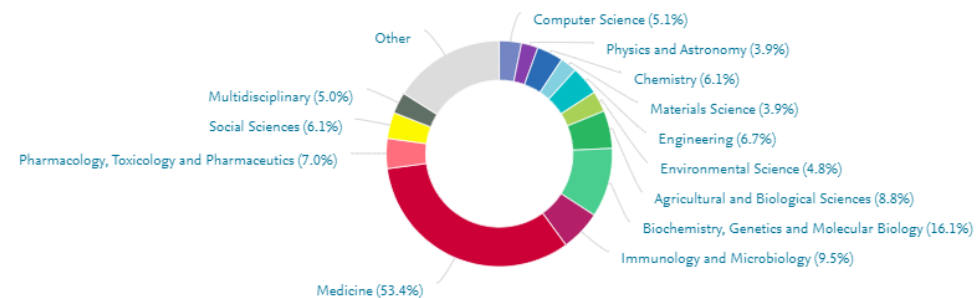
h5-index ⓘ

Publication share by Subject Area

[+ Add to Reporting](#)

Donut Chart

Segment size represents relative publication share per Subject Area. Note that a publication can be mapped to multiple Subject Areas. [Learn more](#)



Analyze your Home Institution (above) or add other ones.

You haven't added any other Institutions yet - get started below. Tip: SciVal contains predefined Institution Groups, e.g. US States, UArctic, Ivy League etc.

[+ Add new](#)



Researchers and Group



SciVal

Hide tags

Researchers and Groups

Your profile

Komalwardhana, Narisra

Others

LA_MU

+ Add new

Clean this section



SciVal

Hide tags

Find existing researcher or group

Advanced search

+ Define a new Researcher

+ Define a new Group of Researchers

+ Import Researchers

+ Synchronize Groups



Define a new Researcher

Define a new Researcher



1. Search

2. Select

3. Validate publications (optional)

4. Save Researcher



The Researcher you want to add may be known in Scopus by more than one author name variant. Search below for Scopus author name variants of the Researcher you want to add.

Last name

First name

Affiliation

+ Add another field



Search >



Define a new Researcher



1. Search

2. Select

3. Validate publications (optional)

4. Save Researcher

Select author name variant(s) that refer to the Researcher 1 result

<input type="checkbox"/>	Author	Publications	Subject Area	Affiliation	Country/Region
<input type="checkbox"/>	Komalawardhana, Narisra Komalwardhana, Narisra Show recent publications	4	Social Sciences, Computer Science	Mahidol University	Thailand

< Previous step

Validate publications (optional) >

Directly go to Save Researcher >



Define a new Researcher



1. Search

2. Select

3. Validate publications (optional)

4. Save Researcher



Please note that SciVal will only display publications from 1996 onwards.

Save your researcher as

Komalawardhana, Narisra



Add tags (optional)



< Previous step

Save and define another Researcher >

Save and finish >



SciVal

Overview

Benchmarking

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Reporting

My SciVal

Scopus

Hide tags



Researchers and Groups



Your profile



☒ Komalawardhana, Narisra



Others



☐ LA_MU



Komalawardhana, Narisra ☆

Mahidol University ... [Show all affiliations](#) | [View in Scopus](#) | Your profile

2017 to >2022



All subject areas



[ASJC](#)



Summary

Topics

Collaboration

Published

Viewed

Cited

Patent Impact

+ Add Sumr

Overall research performance

3

Scholarly Output ⓘ

33.3% All Open Access

[View list of publications](#)

4.40

Field-Weighted Citation Impact ⓘ

[Yearly breakdown](#)

27

Citation Count ⓘ

9.0

Citations per Publication ⓘ

3

h-index ⓘ

2

*h*5-index ⓘ

Publication share by Subject Area



SciVal

Hide tags

Researchers and Groups

Your profile

Komalwardhana, Narisra

Others

LA_MU

+ Add new

Clean this section



SciVal

Hide tags

Find existing researcher or group

Advanced search

+ Define a new Researcher

+ Define a new Group of Researchers

+ Import Researchers

+ Synchronize Groups



Define a new Group of Researchers

Define a new Group of Researchers

All Researchers and Groups

All tags

Type to filter

All

Abhicharttibutra, Kulwadee

Baosoung, Chavee

Bhaktikul, Kampanad

Biomedical Sciences, MB MU

Biotechnology, MB MU

Boonchieng, W.

Boonserm, Panadda

Buddhirakkul, Prapim

Bunyaratavej Ahnond

Bunyaratvej, Ahnond

Center for Biomedical Instrument,MB MU

Center for Vaccine Development,MB MU

Chairoungdua, Arthit

Chaiwat, Weerawut

Chaiyen, Pimchai

Chanprasit, Chawapornpan

Chantasart, Doudgdaw

Charoensawan, Varodom

Chetsawang, Banthit

Hide tags

Type to filter

Tags

You have not yet defined any Groups

Drag and drop at least one entity from the list on the left to define your Group of Researchers

Save and finish



Define a new Group of Researchers



All Researchers and Groups



All tags



Type to filter



All



- Abhicharttibutra, Kulwadee
- Baosoung, Chavee
- Bhaktikul, Kampanad
- Biomedical Sciences, MB MU
- Biotechnology, MB MU
- Boonchieng, W.
- Boonserm, Panadda
- Buddhirakul, Prapim
- Bunyaratavej Ahnond
- Bunyaratvej, Ahnond
- Center for Biomedical Instrument, MB MU
- Center for Vaccine Development, MB MU
- Chairoungdua, Arthit
- Chaiwat, Weerawut
- Chaiyen, Pimchai
- Chanprasit, Chawapornpan
- Chantasart, Doudgdaw
- Charoensawan, Varodom
- Chetsawang, Banthit

Hide tags

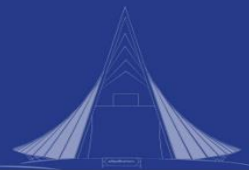
Type to filter



Tags

- ☐ My Researcher Group 1
 - + Add group
- ☐ Abhicharttibutra, Kulwadee
CMU_NS
- ☐ Baosoung, Chavee
CMU_NS
- ☐ Bhaktikul, Kampanad

Save and finish >



SciVal

Hide tags

Researchers and Groups

Your profile

Komalwardhana, Narisra

Others

LA_MU

+ Add new

Clean this section



SciVal

Hide tags

Find existing researcher or group

Advanced search

+ Define a new Researcher

+ Define a new Group of Researchers

+ Import Researchers

+ Synchronize Groups



Import Researchers



1. Upload file or paste IDs

2. Refine authors

3. Organize and save

Import Researchers

Here you can import a list of Scopus authors into SciVal (max. 1,000). Where applicable, these will be added to your existing hierarchy. [Learn more](#)

If you want to replace one or more groups, go to [Synchronize your Groups of Researchers](#)

Use a Template [Learn more](#)

Download file



Replace the example content with your own content.

You can upload up to 1,000 researchers in a file.

Drop file here or click to upload
(CSV, XLS, JSON, or text file)

Paste IDs

Alternatively, you can paste a list of Scopus author IDs or ORCID IDs in this field (one ID per row, max. 1,000).

Next step >



Need an example?

Download file



XLS



CSV



JSON

Replace the example content with your own content.

Or structure your file like this

Author	Name variants	Affiliation	College (Level 1)	School (Level 2)	Discipline (Level 3)	EIDs	DOIs	PMIDs	Title	ISSN/Volume/Issue/Pages	Scopus Author ID
Colledge, Lisa	Colledge, L.	Oxford University							Project Snowball - Sharing data for cross-institutional benchmarking	18770509/33//297-300 1389130/92/2/367-376	
Kamalski, Judith	Kamalski, J	Utrecht University				2-s2.0-80051744268 2-s2.0-84866145113					
Heeman, Frans C.											6505857281
Donohoe, Gary J.		Dublin University	College of Arts	School of Psychology	Psychology				What have the genomics ever done for the psychoses?		

The more information, the higher the accuracy of the results.

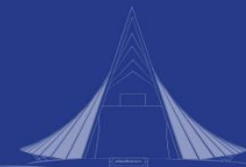
If you fill Level's columns, it will pre-populate your hierarchy structure like above. All hierarchy structure can be created or edited on step 3.

Colledge, Lisa

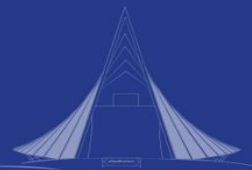
Kamalski, Judith

Heeman, Frans C.

✓ College of Arts (Level 1)



Edit Researchers & Group



Institutions and Groups

Researchers and Groups

Publication Sets

Countries and Groups

Research Areas

Researchers and Groups

Type to filter



All entities you can use in SciVal



Filter by tags



Add to panel

Tags ▾

Share

Edit

Delete

+ Add new ▾



Name

Tags



Faculty of Environmental

Added



Bhaktikul, Kampanad

Added



Boontanon, Narin

Added



Chaiyarat, Rattanawat

Added



Charmondusit, Kitikorn

Added



Dilokwanich, Sittipong

Added



Sintunawa, Chirapol

Added



Researchers and Groups

Type to filter



All entities you can use in SciVal



Filter by tags



Add to panel



Tags



Share



Edit



Delete



Add new



Name

Tags



✓ Faculty of Environmental



Bhaktikul, Kampanad



Added



Boontanon, Narin



Added



Chaiyarat, Rattanawat



Added



Charmondusit, Kitikorn



Added



Dilokwanich, Sittipong



Added



Sintunawa, Chirapol



Added



Researchers and Groups

Type to filter

All entities you can use in S

Edit Researcher Group

Change name

Name

Faculty of Environmental ✓

Save name >

Modify Researcher Group

Please note that in some cases a change of definition takes some time to process.

Open definition editor >

Charmondusit, Kitikorn

Added



Edit your Group of Researchers



All Researchers and Groups



All tags



Type to filter



All



- Abhicharttibutra, Kulwadee
- Baosoung, Chavee
- Bhaktikul, Kampanad
- Biomedical Sciences, MB MU
- Biotechnology, MB MU
- Boonchieng, W.
- Boonserm, Panadda
- Buddhirakkul, Prapim
- Bunyaratavej Ahnond
- Bunyaratvej, Ahnond
- Center for Biomedical Instrument, MB MU
- Center for Vaccine Development, MB MU
- Chairoungdua, Arthit
- Chaiwat, Weerawut
- Chaiyen, Pimchai
- Chanprasit, Chawapornpan
- Chantasart, Doungdaw
- Charoensawan, Varodom
- Chetsawang, Banthit

Hide tags

Type to filter



Tags

- ☐ My Researcher Group 1
 - Add group
 - ☐ Abhicharttibutra, Kulwadee
CMU_NS
 - ☐ Baosoung, Chavee
CMU_NS
 - ☐ Bhaktikul, Kampanad



Save and finish





Edit your Group of Researchers



All Researchers and Groups



All tags



Type to filter



All



- Abhicharttibutra, Kulwadee
- Baosoung, Chavee
- Bhaktikul, Kampanad
- Biomedical Sciences, MB MU
- Biotechnology, MB MU
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Hide tags

Type to filter



Tags

☐ My Researcher Group 1

+ Add group

- ☐ Abhicharttibutra, Kulwadee
CMU_NS
- ☐ Baosoung, Chavee
CMU_NS
- ☐ Bhaktikul, Kampanad



Save and finish >



Group Sharing



SciVal

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Scopus



NK

Hide tags

Researchers and Groups

Bhaktikul, Kampanad

My Researcher Group 1

Add to panel

Tags

Share

Edit

Delete

Export

+ Add new

Name	Tags	
> FacultyOfTraining		
> Institute for Innovative Learning, MU	ILMU	Shared
> Institute of Molecular Biology, MU	MB_MU	Shared
> My Researcher Group - 12 March 2014		
> My Researcher Group - 12 March 2014 2		
> My Researcher Group 1		
My Researcher Group 1		Remove
Abhicharttibutra, Kulwadee	CMU_NS	
Baosoung, Chavee	CMU_NS	
Bhaktikul, Kampanad		Added
> NU_MU		Shared
> NU_MU_Food Group		Shared

Share this entity with other SciVal users



Sharing settings for “My Researcher Group 1” and 3 other entities



Invite users Tags Currently invited / shared with Invitation lists

Invite others to use the entity

Enter E-mail address(es) or list name(s) (comma separated), or pick from the existing ones.

E-mail

Can view
Can view
Can edit

Message (optional)

Send invitation >



Benchmarking Module



SciVal

Overview

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Scopus ↗



NK

Welcome to SciVal



Overview



View the research performance of Researchers, Institutions, Countries and more.



Benchmarking



Compare and benchmark the research performance of anything in SciVal.



Collaboration



Explore the collaboration of Institutions, Countries and Researchers.



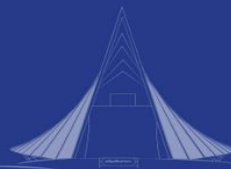
Trends



Dive deeper into an area of interest.



Research Areas provided by SciVal: [Quantum Simulation](#) | [SDG 15: Life on Land \(2022\)](#) | [View more](#)



> Deselect all Hide tags



Institutions and Groups



★ Favorites | [Deselect all](#)

Mahidol University

Others | [Deselect all](#)

National University of Singapore

University of Malaya

Add new

Clean this section

Benchmarking

2016 to >2022

All subject areas



ASJC



Data source

All Metrics

Rankings Metrics



Metric guidance Add to Reporting Export

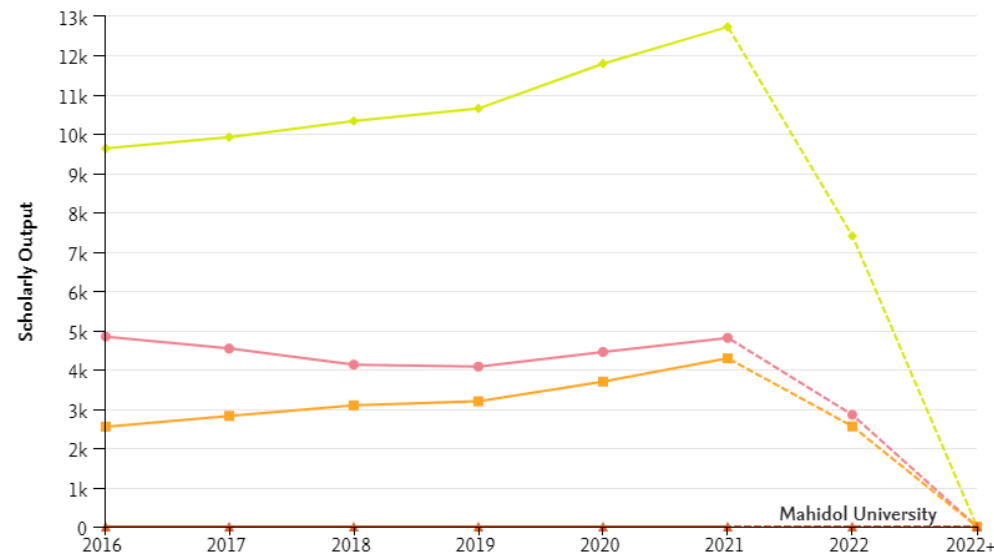
y-axis

Scholarly Output

x-axis

Publication Year

Bubble size



National University of Singapore

University of Malaya

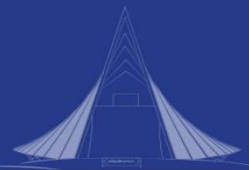
Mahidol University

Komalawardhana, Narisra

Hide all chart labels

View list of Scopus Sources for the selected Researchers and





> Deselect all Hide tags X

2016 to >2022 All subject areas

Table Chart

y-axis x-axis

Scholarly Output Publication Year

Collaboration

Published

Scholarly Output

Subject Area Count

Scopus Source Title Count

h-indices

Viewed

Cited

Patent Impact

Media Impact

Topic Indicators

Awarded Grants

Scholarly Output

The number of publications of a selected entity.
[Learn more about this metric](#)

Include:

☒ All publication types

☐ Articles only

☐ Articles and conference papers

☐ Articles and reviews

☐ Articles, reviews and conference papers

☐ Articles, reviews, conference papers, books and book chapters

☐ Books and book chapters

☐ Conference papers only

Authorship Type

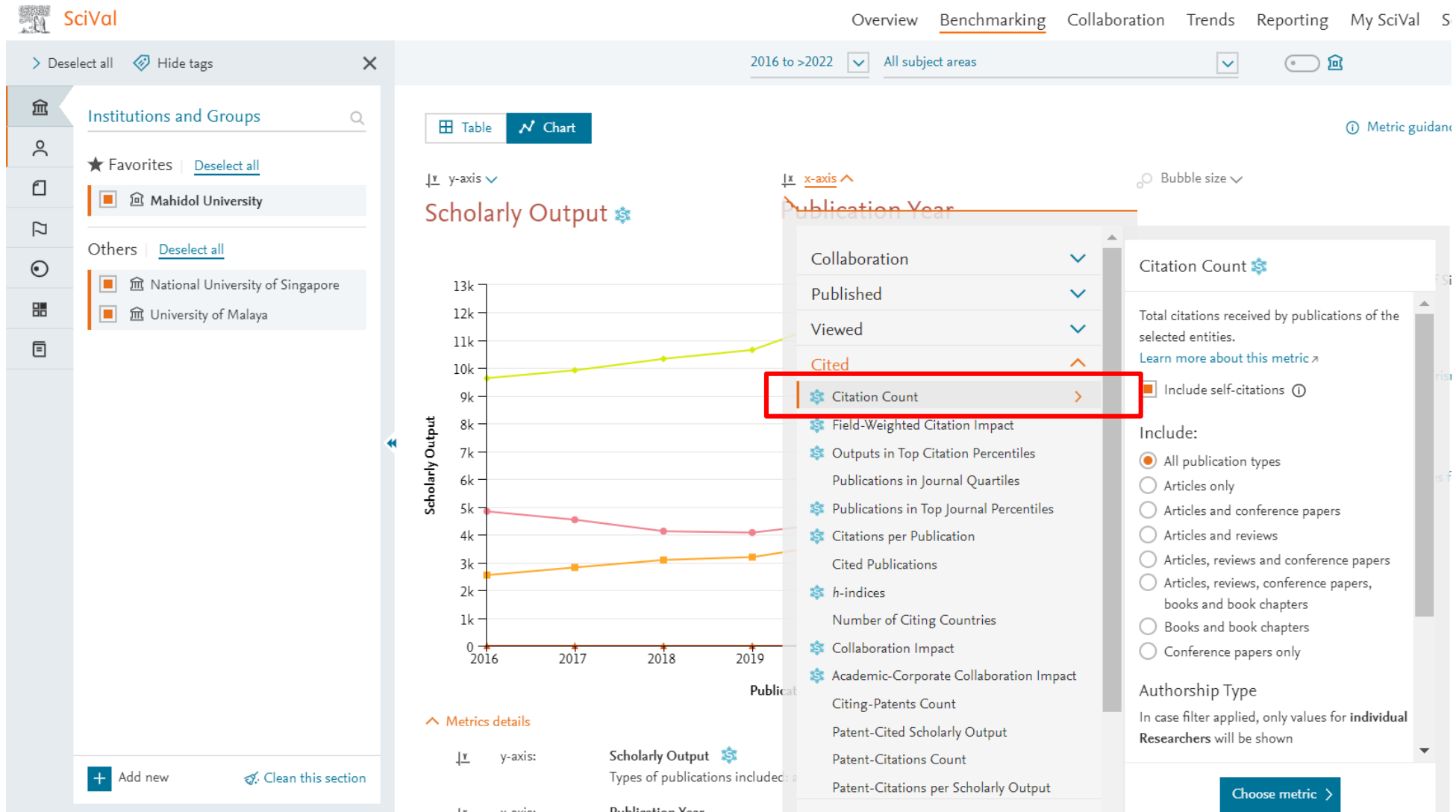
In case filter applied, only values for **individual Researchers** will be shown

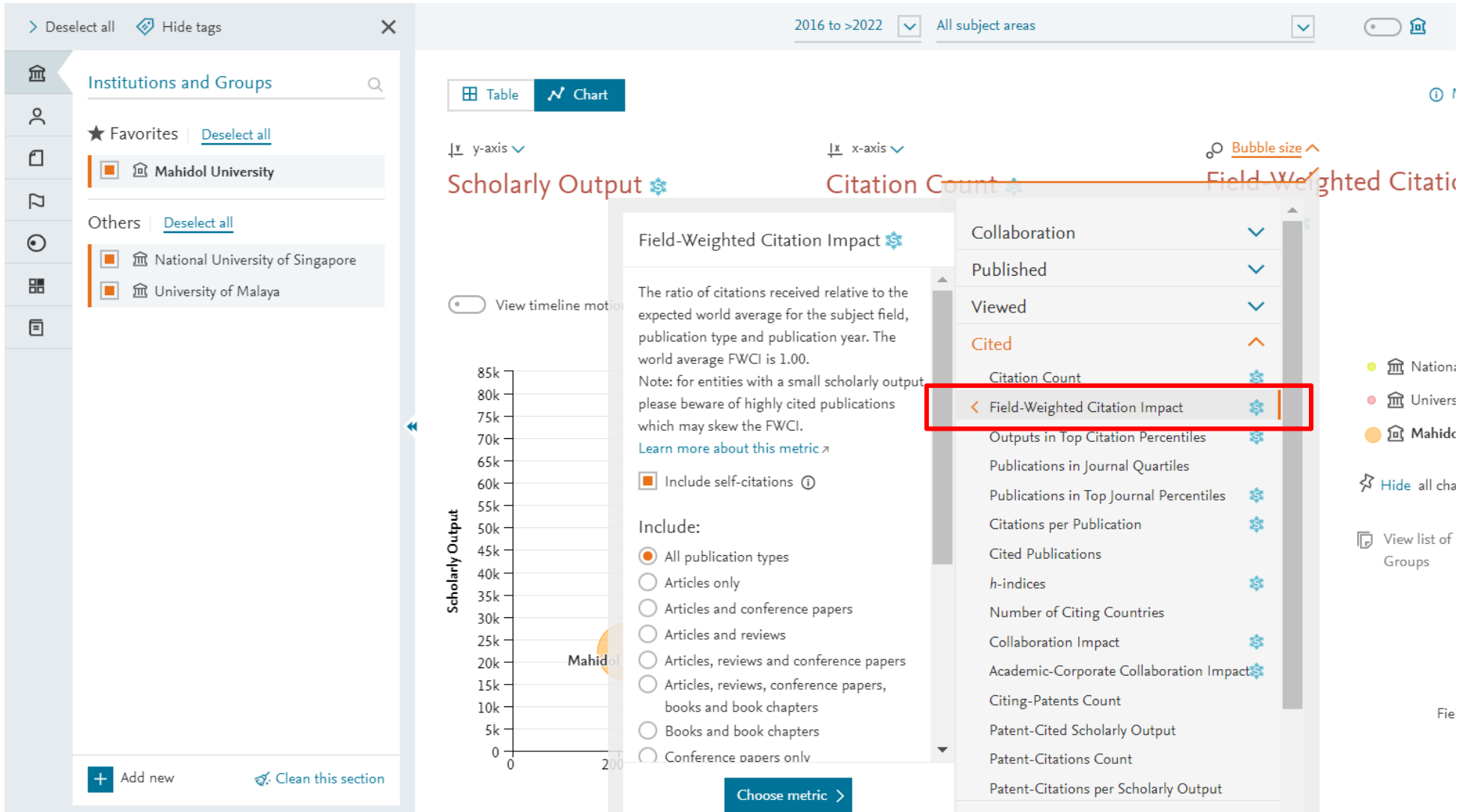
☐ Only include publications where the researcher is:

2022+

Choose metric

+ Add new Clean this section







> Deselect all Hide tags



Institutions and Groups



★ Favorites | [Deselect all](#)



☒ Mahidol University



Others | [Deselect all](#)



☐ National University of Singapore



☐ University of Malaya



Benchmarking

2016 to >2022



All subject areas



ASJC



All Metrics

Rankings Metrics



Table



Chart

[Metric guidance](#) [+ Add to Reporting](#)

Benchmark multiple metrics

[Reset to one metric over time](#)



Entity ↑

Scholarly Output ▼

Citation Count ▼

Field-Weighted Citation
Impact ▼

Mahidol University

22,180

216,336

1.15

National University of Singapore

72,498

1,326,627

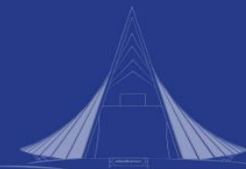
1.97

University of Malaya

29,688

421,891

1.45



Collaboration Module



Collaboration



SciVal

Overview

Benchmarking

Collaboration

Trends

Reporting

My SciVal

Scopus ↗



NK

Welcome to SciVal



Overview



View the research performance of Researchers, Institutions, Countries and more.



Benchmarking



Compare and benchmark the research performance of anything in SciVal.



Collaboration



Explore the collaboration of Institutions, Countries and Researchers.



Trends



Dive deeper into an area of interest.



Research Areas provided by SciVal: [Quantum Simulation](#) | [SDG 15: Life on Land \(2022\)](#) | [View more](#)



Institutions and Groups

Mahidol University

- Chiang Mai University
- Chulalongkorn University
- Kasetsart University
- Khon Kaen University
- My Group of Institutions - 3 April 2014
- My Group of Institutions - 3 April 2014 2
- National Science and Technology Development Agency Thailand
- Prince of Songkla University

- + Add Institutions and Groups
- x Remove all entities from this section

Researchers and Groups

Publication Sets

Countries and Groups

Research Areas

Collaboration by Mahidol University

Thailand | More details on this Institution

Source: Scopus data up to 12 Jan 2015

2012 to >2015

Medicine

Current collaboration

Potential collaboration

Map

Table

Export

Shortcuts

Find Institution



Institutions collaborating with Mahidol University

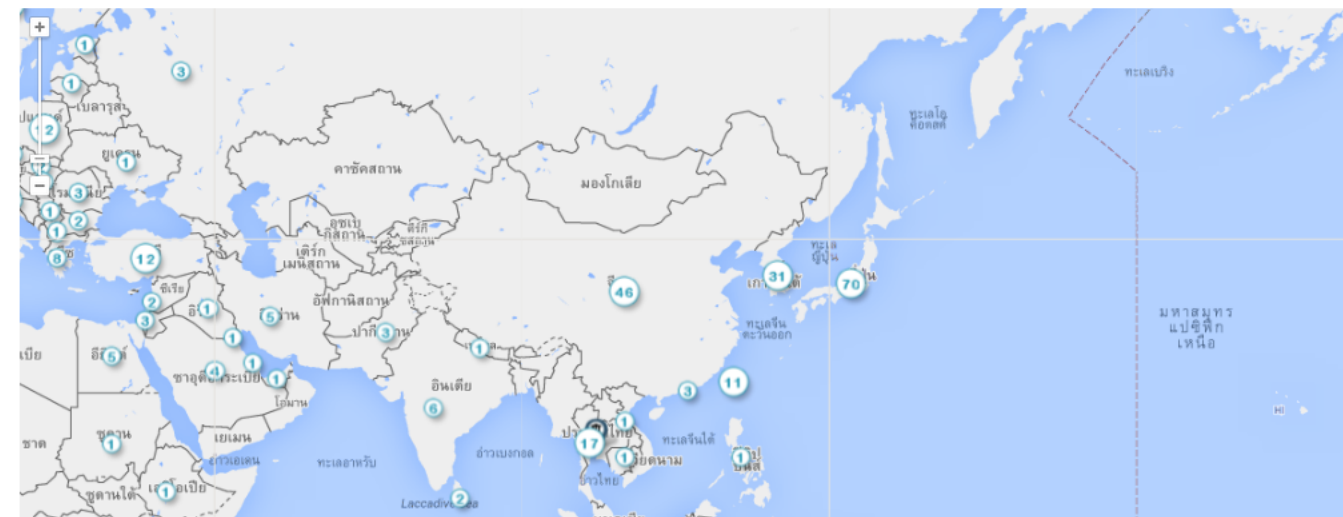
Asia Pacific

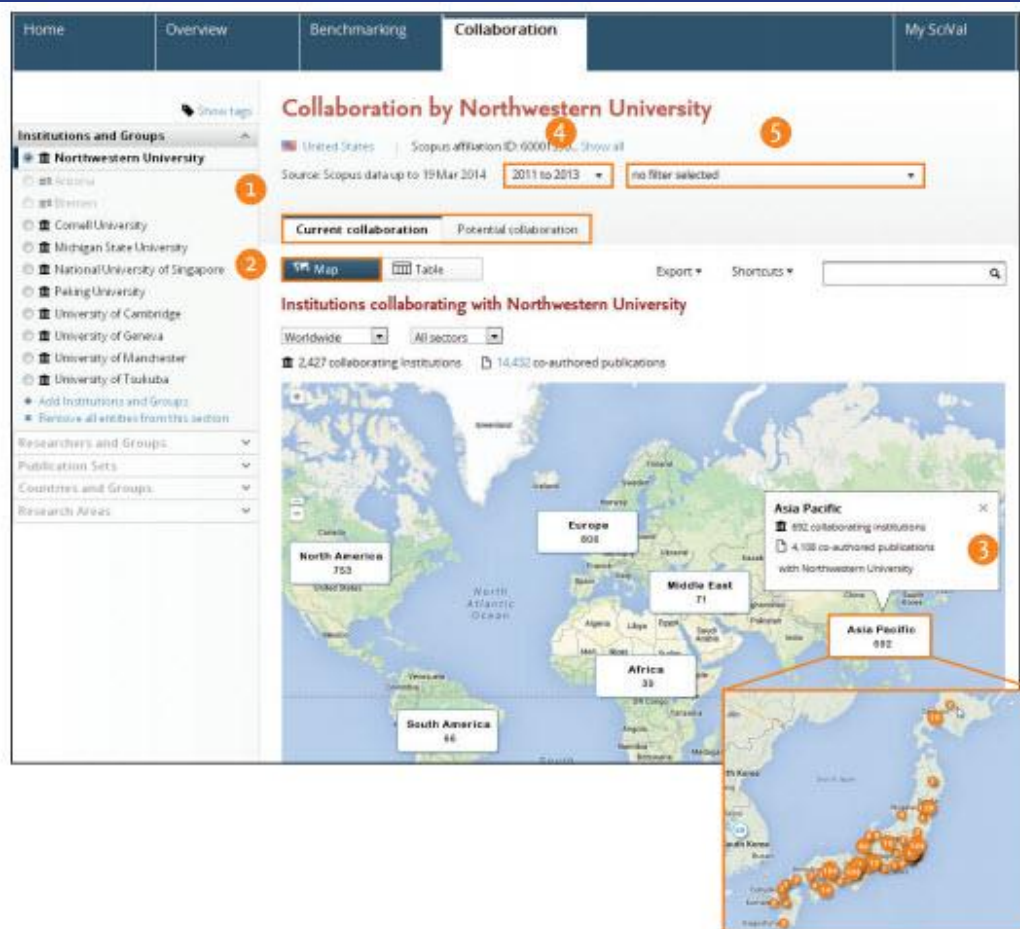
All countries

Academic

238 collaborating Institutions

1,059 co-authored publications





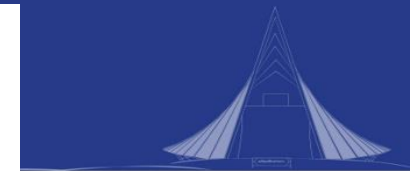
- 1 **Current collaboration tab** helps you to explore existing collaboration opportunities providing ranking of institutes and authors based on output and impact related metrics.

Potential collaboration tab identifies institutions that you haven't yet co-authored any publications with.

- 2 **Select map view** to understand an institution's existing collaboration landscape on Google maps.
- 3 **Click on each region to zoom in** and understand collaboration country wise or state wise.

- 4 **Select year range** from:
 - 3 years (2011 to 2013)
 - 3 years + current year (2011 to 2014)
 - 3 years + current year + beyond current year (2011 to >2014)
 - 5 years (2009 to 2013)
 - 5 years + current year (2009 to 2014)
 - 5 years + current year + beyond current year (2009 to >2014)

- 5 **Filter subject area** using 27 top level and 334 lower level subject areas based on Scopus ASJC or your self-defined **Research Areas**.



The screenshot displays the SciVal 'Collaboration' tab. It shows a list of institutions collaborating with Northwestern University, with filters for region, country, and segment. A detailed view of co-authored publications is shown, including metrics like citations, publications, and field-weighted citation impact, along with a bar chart of subject categories.

- 6 Select table view to access list of collaborating institutions.
- 7 Search institutions by name.
- 8 Limit collaborating institutions by region, country and segments using a drop-down box.
- 9 Sort collaborating institutions by impact using:
 - Citations
 - Citations per Publication
 - Field-Weighted Citation Impact

- 10 Select institutions to:
 - Assess output and impact of co-authored publications relative to performance of the entire institution
 - View the subject area spread of co-authored publications
- 11 Identify collaborating authors from each institution and identify which authors collaborate with each other.



Trends Module



Trends Module



SciVal

Overview

Benchmarking

Collaboration

Trends

Reporting

My SciVal

Scopus ↗



Welcome to SciVal



Overview



View the research performance of Researchers, Institutions, Countries and more.



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Trends



Dive deeper into an area of interest.



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Trends Module

Define a new Research Area

[View quick guide](#)

1. Create definition

2. Refine definition

3. Save definition

Use search terms

Use entities

Define a new Research Area based on one or more search terms

[Enter search terms](#)

Medicine

Type important terms (e.g. solar flare) or an exact word or phrase (e.g. "solar flare") [More tips](#)

+ Add another field

Search >



Trends Module

Define a new Research Area

[View quick guide](#) ✕

1. Create definition

2. Refine definition

3. Save definition

Refine your definition by applying one or more filters

Definition of your Research Area: **medicine**

Subject areas

Scopus sources

Institutions

Countries

Organization types

> Total matching publications (2013-present)

324,377

Currently applied filters:
No filters applied yet

Name	Publications
<input checked="" type="checkbox"/> Medicine	216,439
<input type="checkbox"/> Biochemistry, Genetics and Molecular Biology	63,503
<input type="checkbox"/> Pharmacology, Toxicology and Pharmaceutics	40,499
<input type="checkbox"/> Health Professions	19,723
<input type="checkbox"/> Agricultural and Biological Sciences	18,909
<input type="checkbox"/> Chemistry	17,541
<input type="checkbox"/> Engineering	16,513
<input type="checkbox"/> Social Sciences	14,318
<input type="checkbox"/> Immunology and Microbiology	13,924

Limit to >

Exclude >

☐ Limit to publications in the past 5 years

< Previous step

Next step >



Trends Module

Define a new Research Area

[View quick guide](#) ✕

1. Create definition

2. Refine definition

3. Save definition

Refine your definition by applying one or more filters

Definition of your Research Area: **medicine**

Subject areas

Scopus sources

Institutions

Countries

Organization types

Name	Publications
<input type="checkbox"/> Pakistan	1,356
<input type="checkbox"/> Portugal	1,335
<input type="checkbox"/> Saudi Arabia	1,332
<input checked="" type="checkbox"/> Thailand	1,301
<input type="checkbox"/> Russian Federation	1,295
<input type="checkbox"/> Mexico	1,239
<input type="checkbox"/> Czech Republic	1,187
<input type="checkbox"/> New Zealand	1,156
<input type="checkbox"/> Singapore	1,126
<input type="checkbox"/> Finland	1,038

Limit to

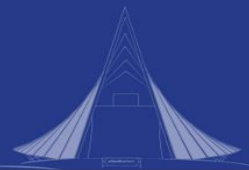
Exclude

☒ Limit to publications in the past 5 years

Currently applied filters:
Medicine ✕

< Previous step

Next step >



Trends Module

Define a new Research Area

[View quick guide](#) ✕

1. Create definition

2. Refine definition

3. Save definition

Refine your definition by applying one or more filters

Definition of your Research Area: **medicine**

Subject areas	Name	Publications	Currently applied filters:
Scopus sources	<input checked="" type="checkbox"/> Mahidol University	201	Medicine ✕ AND Thailand ✕ AND (
Institutions	<input type="checkbox"/> Khon Kaen University	113	Immunology and Microbiology ✕ OR
Countries	<input type="checkbox"/> Chulalongkorn University	69	Biochemistry, Genetics and Molecular
Organization types	<input type="checkbox"/> Chiang Mai University	58	Biology ✕ OR Pharmacology,
	<input type="checkbox"/> University of Oxford	44	Toxicology and Pharmaceutics ✕ OR
	<input type="checkbox"/> Thammasat University	42	Health Professions ✕)
	<input type="checkbox"/> Prince of Songkla University	41	
	<input type="checkbox"/> Armed Forces Research Institute of Medical Sciences, Thailand	37	
	<input type="checkbox"/> Mahasarakham University	27	

Limit to >

Exclude >

☒ Limit to publications in the past 5 years

[< Previous step](#)

[Next step >](#)



Trends Module

Define a new Research Area

[? View quick guide](#) [X](#)

1. Create definition

2. Refine definition

3. Save definition

Currently applied filters:

Medicine X AND Thailand X AND (

Immunology and Microbiology X OR

Biochemistry, Genetics and Molecular

Biology X OR Pharmacology,

Toxicology and Pharmaceutics X OR

Health Professions X) AND Mahidol

University X

Save your Research Area as

Medicine-Mahidol

16 of 300

Add tags (optional)



This Research Area will be updated approximately every two weeks with new publications matching the definition.

[View Research Area Summary](#) [v](#)

[Previous step](#)

[Save and finish](#) >

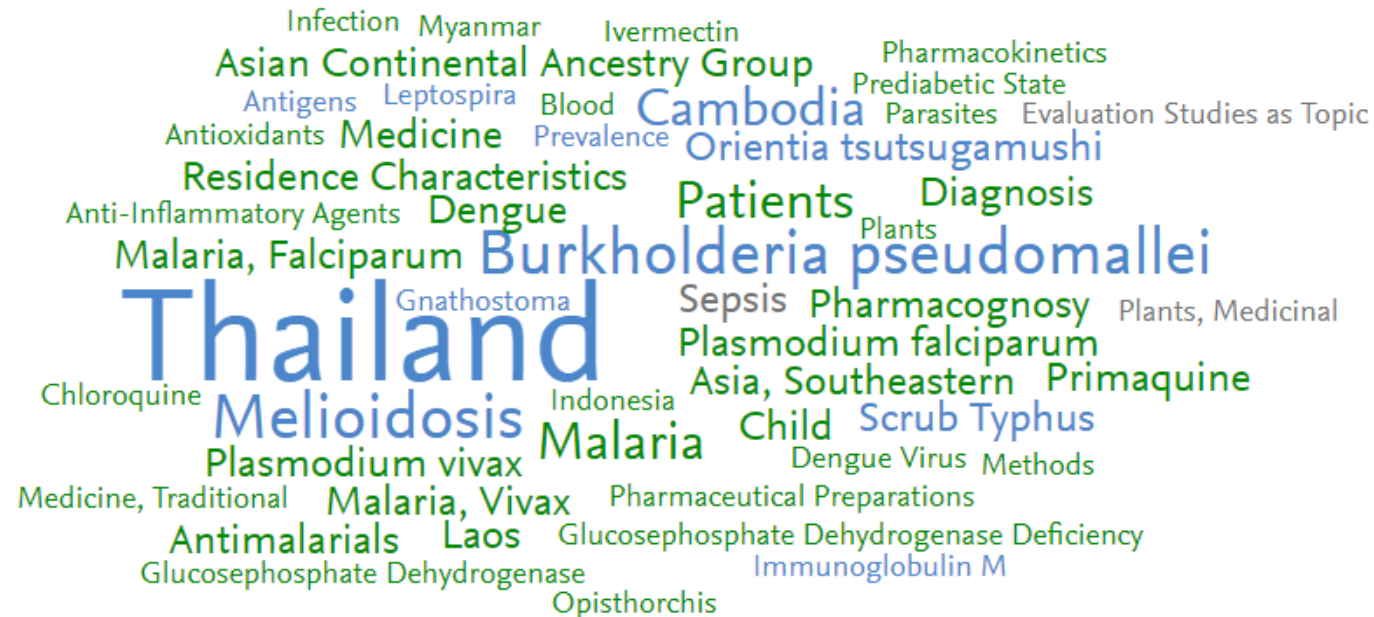
[Save and define another Research Area](#) >



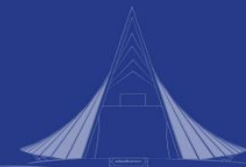
Keyphrase analysis

Trends Module

Top 50 keyphrases by relevance, based on 201 publications | [Learn about keyphrase calculations](#) ↗



AAA relevance of keyphrase | declining AAA growing (2013-2017)



Exercises



1. หากต้องการทราบจำนวนผลงานตีพิมพ์, citation และจำนวนนักวิจัยสาขาวิชาที่ร่วมกันมากที่สุด ของมหาวิทยาลัยมหิดลที่มีความร่วมมือกับมหาวิทยาลัยในประเทศไทย 5 ลำดับแรก ตั้งแต่ ปี ค.ศ. 2016





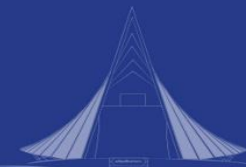
2. อาจารย์กำลังจะเดินทางไปเยี่ยมมหาวิทยาลัยโอซาก้า ประเทศญี่ปุ่น
อยากทราบว่า มหาวิทยาลัยมหิดล มีความร่วมมือด้านไหนบ้างกับมหาวิทยาลัยนี้





3. อาจารย์มัลลิกา อิมวงศ์ อาจารย์ประจำคณะเวชศาสตร์เขตร้อน เป็นอาจารย์ที่มีผลงานวิจัยจำนวนมาก อยากทราบว่าอาจารย์มีผลงานอะไรบ้างที่ร่วมมือกับ University of Oxford, UK





SciVal for AXiiS

ตัวชี้วัดการจัดทำข้อตกลงการปฏิบัติงานของส่วนงาน (PA) ปีงบประมาณ พ.ศ. 2566

จำนวน 9 ตัวชี้วัด

ตัวชี้วัด	
ยุทธศาสตร์ที่ 1 Global Research and Innovation	
1.1	International Publication (per year) (จำนวนผลงานวิจัยตีพิมพ์ในวารสารวิชาการระดับนานาชาติ)
1.2	International Publication in Q1 (per year) (จำนวนผลงานวิจัยตีพิมพ์ในวารสารที่อยู่ใน Q1)
1.3	International Publication in Q1 per Academic Staff (จำนวนผลงานวิจัยตีพิมพ์ในวารสารที่อยู่ใน Q1 ต่อบุคลากรสายวิชาการ)
1.4	International Publication in Top10 (per year) (จำนวนผลงานวิจัยตีพิมพ์ในวารสารที่อยู่ใน Top10)
1.5	International Publication in Top1 (per year) (จำนวนผลงานวิจัยตีพิมพ์ในวารสารที่อยู่ใน Top1)
1.6	International Collaboration (per year) (จำนวนผลงานวิจัยตีพิมพ์ร่วมกับสถาบัน/นักวิจัยสังกัดอื่นในระดับนานาชาติ)
1.7	Corporate Collaboration (per year) (จำนวนผลงานวิจัยตีพิมพ์ร่วมกับภาคอุตสาหกรรม/เอกชน)
1.8	SDGs-related Publication (per year) (จำนวนผลงานวิจัยตีพิมพ์ที่สอดคล้องกับหมวดของ SDGs)
1.9	PREP-certified Academic Staff (ร้อยละของอาจารย์/นักวิจัยที่ผ่านหลักสูตรส่งเสริมศักยภาพนักวิจัย (PREP))



ตัวชี้วัด 1.1 >> Scopus

International Publication (per year)

(จำนวนผลงานวิจัยตีพิมพ์ในวารสารวิชาการระดับนานาชาติ)

1. เข้าสู่ฐานข้อมูล Scopus

เลือก Documents

- Search within เลือก Affiliation
- Search documents *ระบุ “ชื่อส่วนงาน, Mahidol University”

จากนั้น คลิกปุ่ม Search

2. เมื่อเข้าสู่หน้าผลลัพธ์ ให้คัดกรองข้อมูลจาก Refine results

- Year เลือก 2023
 - Document type เลือก Article, Review และ Letter
- จากนั้น คลิกปุ่ม Limit to

3. เมื่อได้ผลการสืบค้นแล้ว ให้ตรวจสอบ Publication stage

ว่าเป็น Article in Press หรือไม่

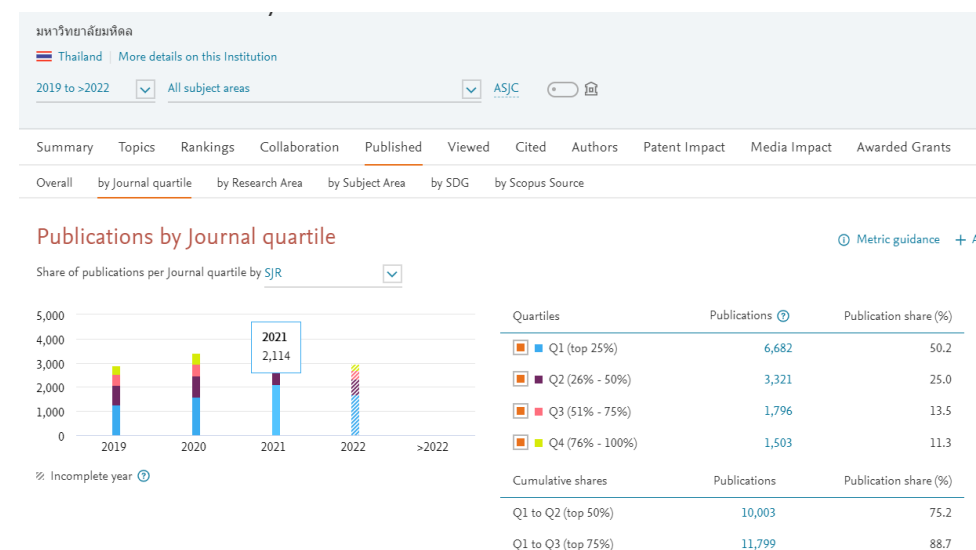
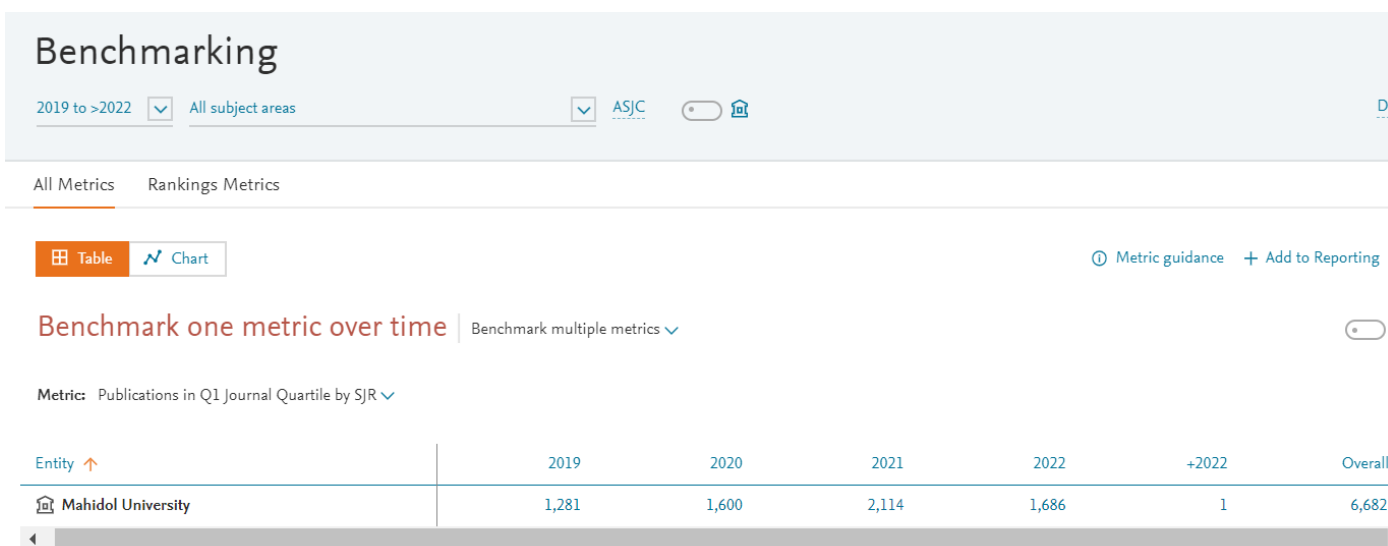
กรณีเป็น Article in Press ให้นำเฉพาะผลงานที่ตีพิมพ์ในวารสาร

Open Access และมี DOI แล้วเท่านั้น

The screenshot shows the Scopus search interface. At the top, there's a search bar with 'Mahidol University' entered. Below it, the search results show 46,885 document results. The 'Refine results' sidebar on the left shows filters for Year (2023), Document type (Article, Review, Letter), and Publication stage (Article in Press, Open Access, etc.). The main results table shows document titles, authors, years, and citation counts.

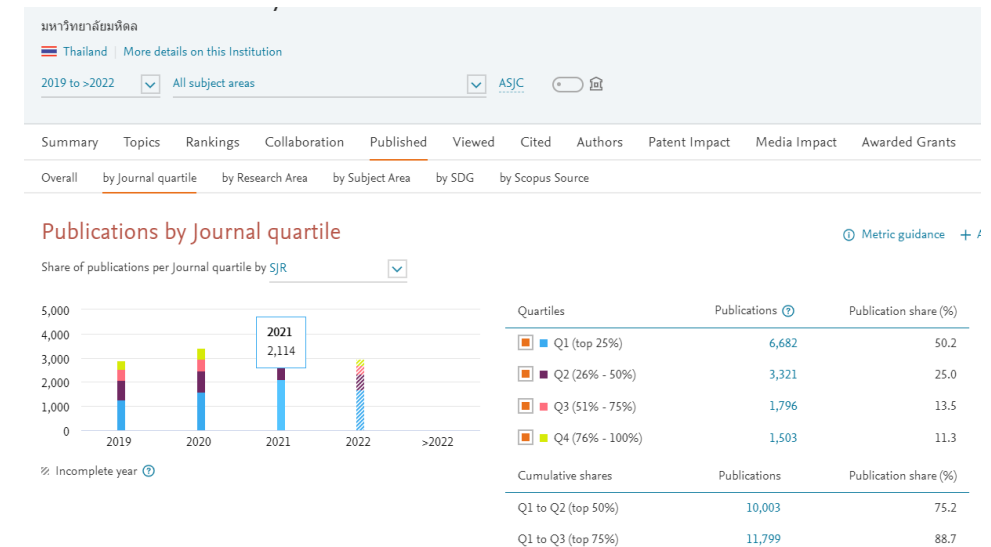
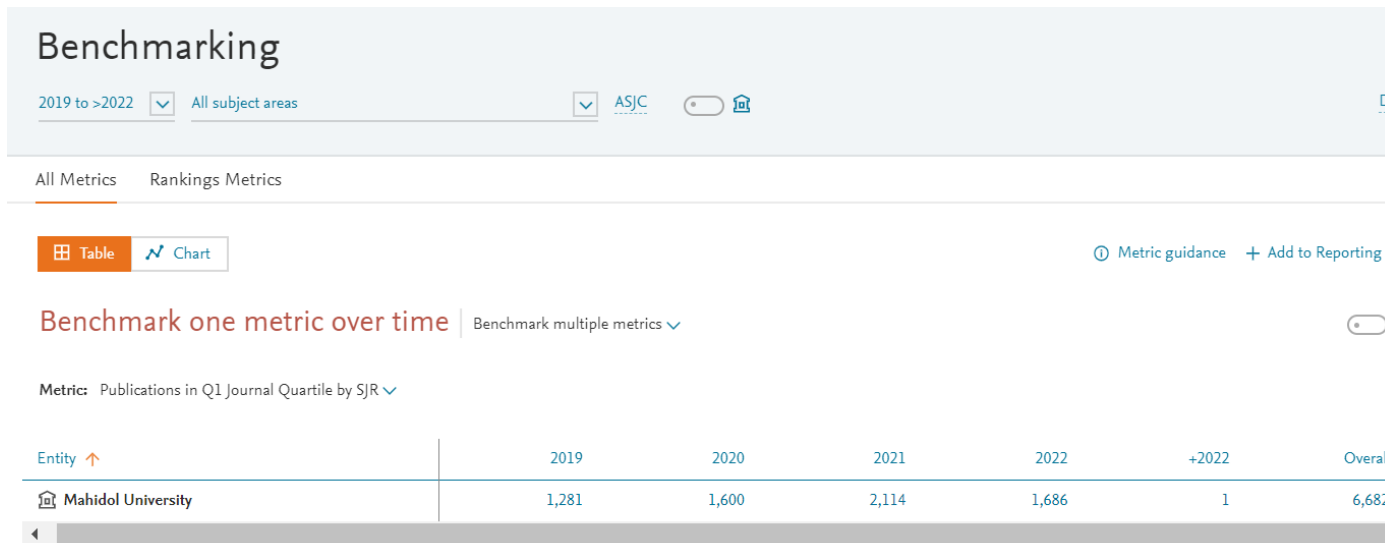
ตัวชี้วัด 1.2 >> SciVal

International Publication in Q1 (per year) (จำนวนผลงานวิจัยตีพิมพ์ในวารสารที่อยู่ใน Q1)



ตัวชี้วัด 1.3 >> SciVal

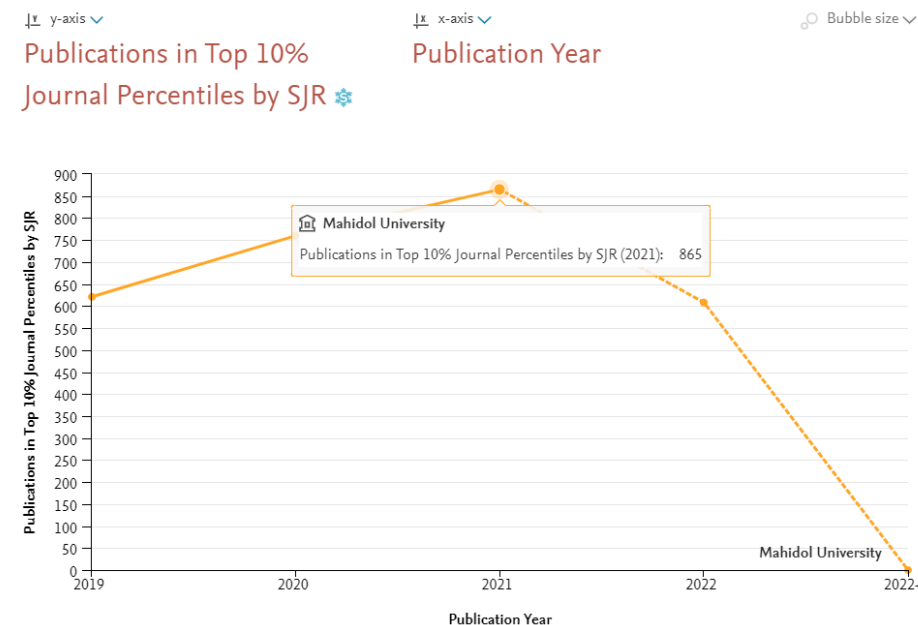
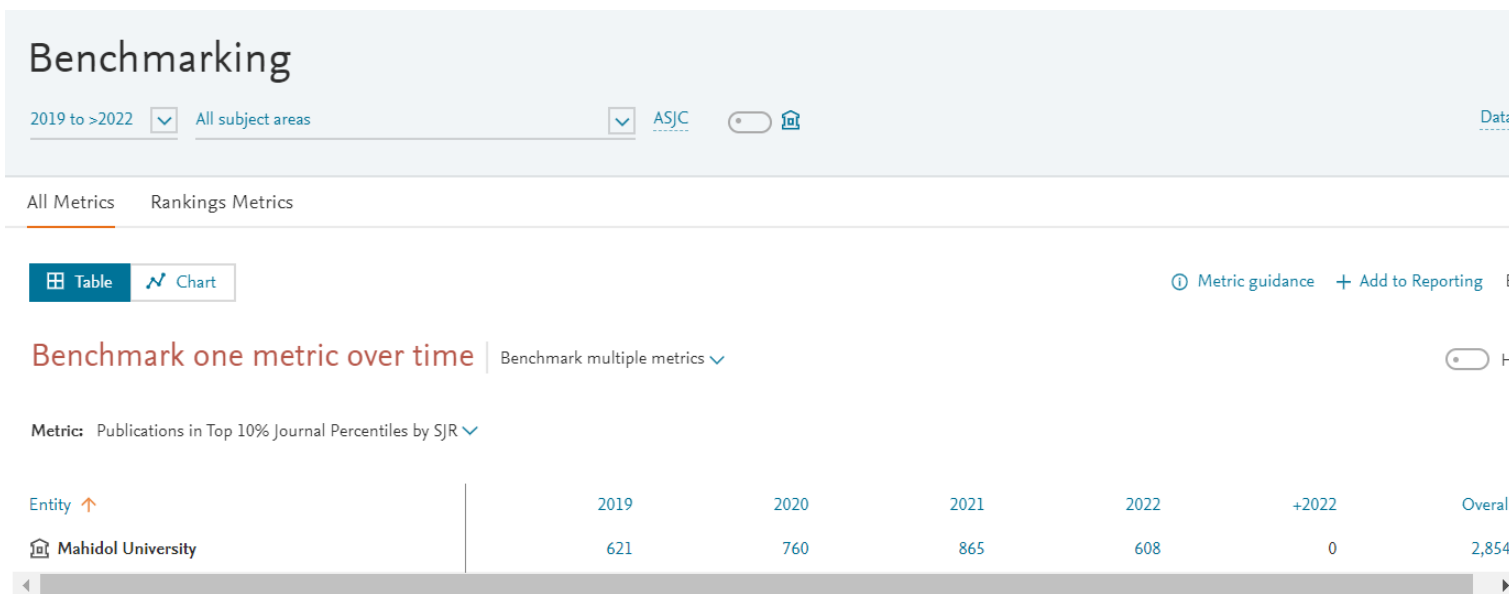
International Publication in Q1 per Academic Staff (จำนวนผลงานวิจัยตีพิมพ์ในวารสารที่อยู่ใน Q1 ต่อบุคลากรสายวิชาการ)





ตัวชี้วัด 1.4 >> SciVal

International Publication in Top10 (per year) (จำนวนผลงานวิจัยตีพิมพ์ในวารสารที่อยู่ใน Top10)




ตัวชี้วัด 1.5 >> SciVal

International Publication in Top1 (per year)
(จำนวนผลงานวิจัยตีพิมพ์ในวารสารที่อยู่ใน Top1)

Benchmark one metric over time | Benchmark multiple metrics ✓

Metric: Publications in Top 1% Journal Percentiles by SJR ✓

Entity ↑

 Mahidol University

2019

2020

2021

2022

+2022

Overall

76

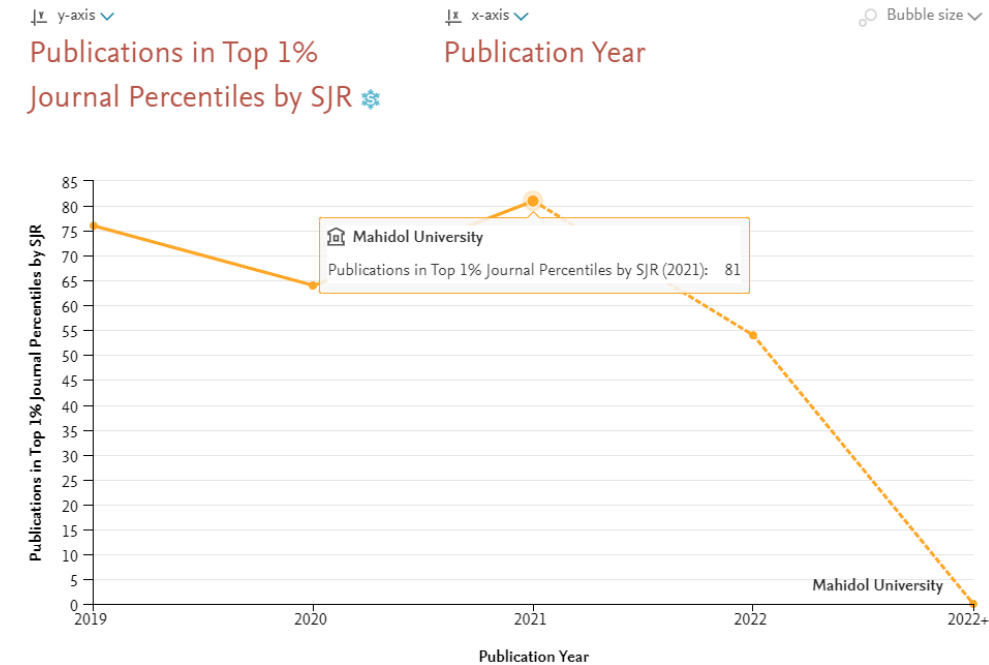
64

81

54

0

275



ตัวชี้วัด 1.6 >> SciVal

International Collaboration (per year)
(จำนวนผลงานวิจัยตีพิมพ์ร่วมกับสถาบัน/นักวิจัย
สังกัดอื่นในระดับนานาชาติ)

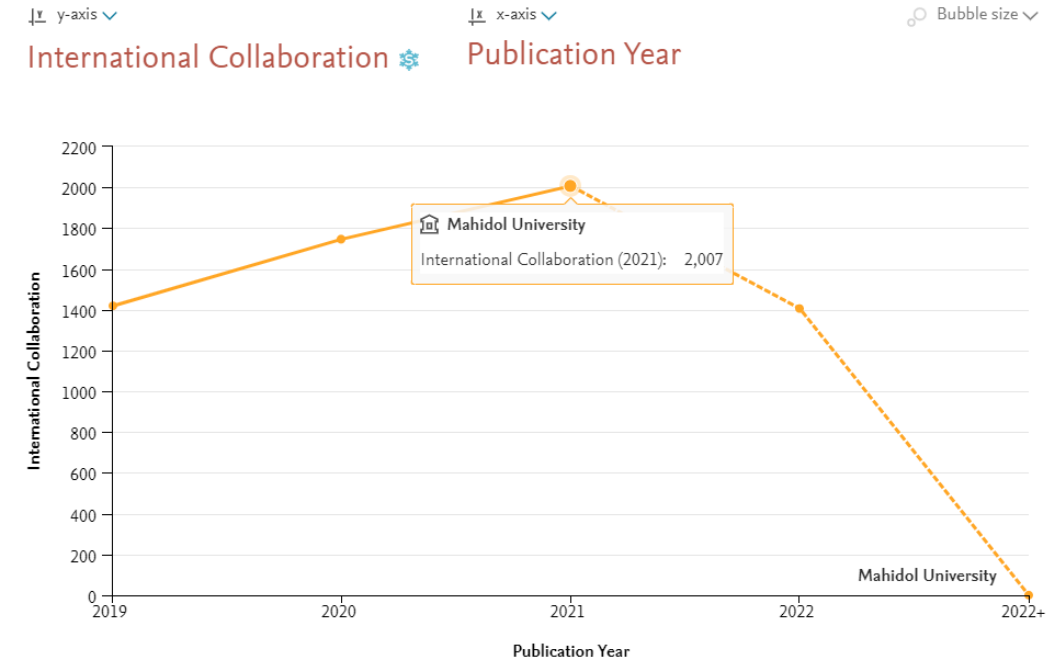
Benchmark one metric over time | Benchmark multiple metrics ✓

Metric: International Collaboration ✓

Entity ↑

Mahidol University

	2019	2020	2021	2022	+2022	Overall
Mahidol University	1,419	1,746	2,007	1,406	1	6,579




ตัวชี้วัด 1.7 >> SciVal

Corporate Collaboration (per year) (จำนวน
ผลงานวิจัยตีพิมพ์ร่วมกับภาคอุตสาหกรรม/เอกชน)

Benchmark one metric over time | Benchmark multiple metrics ▾

Metric: Academic-Corporate Collaboration ▾

Entity ↑

 Mahidol University

2019

2020

2021

2022

+2022

Overall

100

100

112

73

0

385

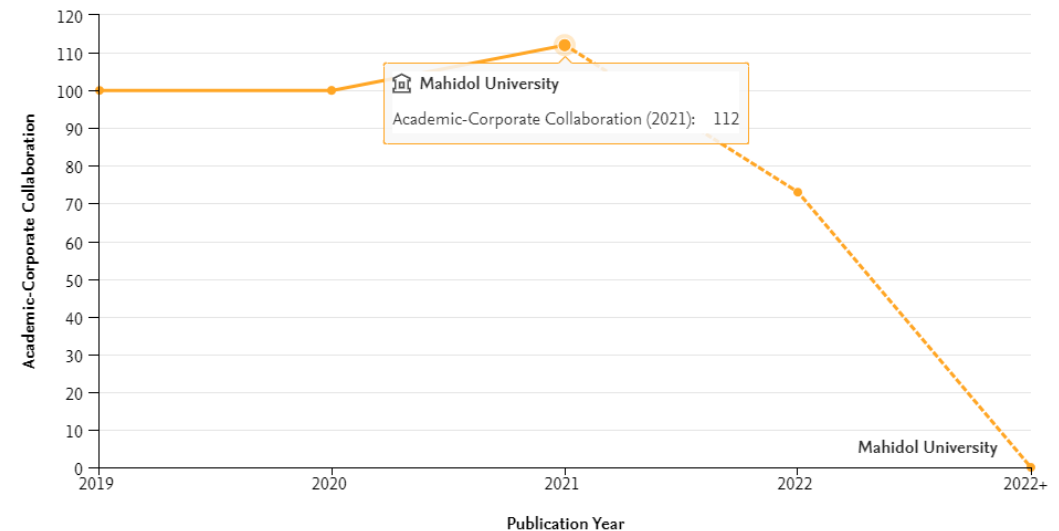
▾ y-axis ▾

Academic-Corporate
Collaboration ⚙

▾ x-axis ▾

Publication Year

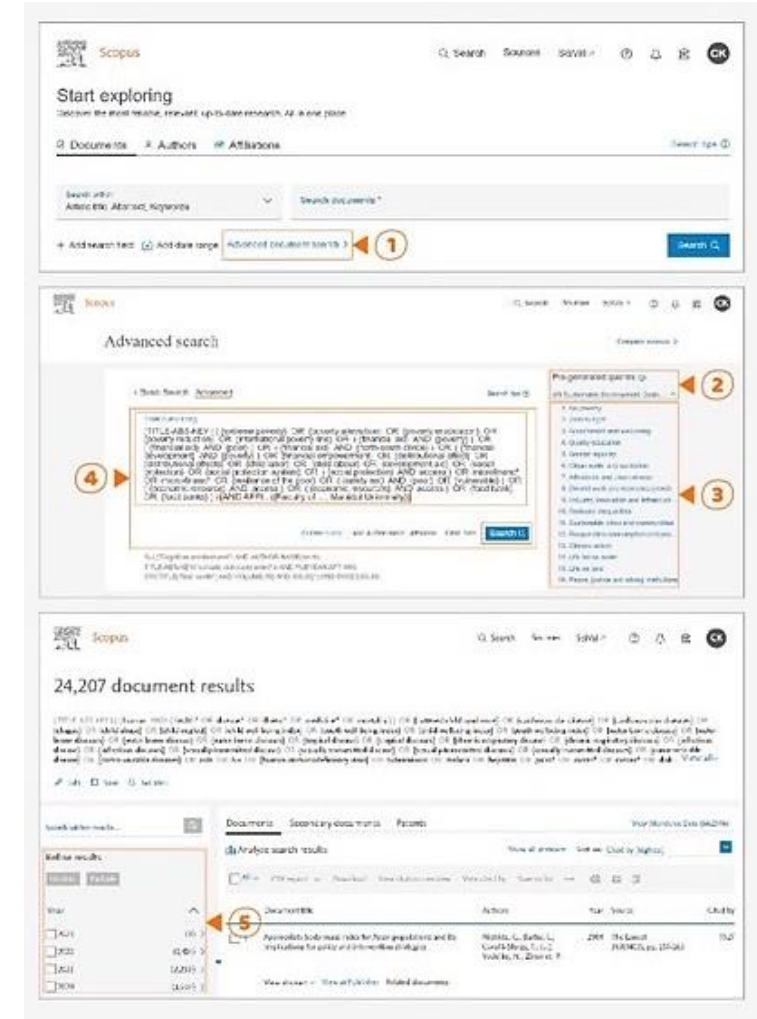
○ Bubble size ▾



ตัวชี้วัด 1.8 >> Scopus

SDGs-related Publication (per year) (จำนวนผลงานวิจัยตีพิมพ์ที่สอดคล้องกับหมวดของ SDGs)

1. เข้าสู่ฐานข้อมูล Scopus เลือกการสืบค้นแบบ **Advanced document search**
2. เมื่อเข้าสู่หน้า **Advanced search** แล้วไปที่หัวข้อ Pre - generated queries คลิกที่ **UN Sustainable Development Goals....**
3. เมื่อคลิกที่ **UN Sustainable Development Goals ...** จะแสดงหัวข้อ **SDGs 1 - 16** ให้เลือกคลิกหัวข้อที่ต้องการสืบค้น
4. เมื่อปรากฏคำค้นที่เกี่ยวกับหัวข้อ SDG ที่เลือกขึ้นมาในช่อง **Enter query string** แล้วให้พิมพ์คำค้น **AND AFFIL ({ชื่อส่วนงาน, Mahidol University})** เพิ่มต่อท้าย เพื่อสืบค้นผลงานวิจัยของส่วนงานที่อยู่ใน SDG นั้น ๆ จากนั้น คลิกปุ่ม **Search**
5. เมื่อได้ผลการสืบค้นแล้ว สามารถคัดกรองข้อมูลที่ต้องการ เช่น ปีที่ตีพิมพ์ ได้จาก **Refine results**





Further Information

- https://www.elsevier.com/_data/assets/pdf_file/0006/604356/IntroSciValPoland-2018_WEB.pdf
- https://www.elsevier.com/_data/assets/pdf_file/0003/1280685/SciVal-Reporting.pdf
- <https://www.elsevier.com/research-intelligence/resource-library/us-canada-customer-hub/includes/scival/scival-introductory-videos2/scival-introduction>
- <https://www.elsevier.com/research-intelligence/resource-library/us-canada-customer-hub/includes/scival/scival-introductory-videos2/scival-collaboration-module>
- <https://www.elsevier.com/research-intelligence/resource-library/us-canada-customer-hub/includes/scival/scival-introductory-videos2/scival-overview-module>

Research Intelligence

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Question & Answer



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