



# “การวิเคราะห์ศักยภาพด้านวิจัย โดยใช้โปรแกรม SciVal”

ครั้งที่ 4/2565

วันที่ 14 กันยายน 2565

เวลา 9.00 – 12.00 น.

ผ่านระบบ Cisco Webex Meeting



มหิดลศึกษา

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



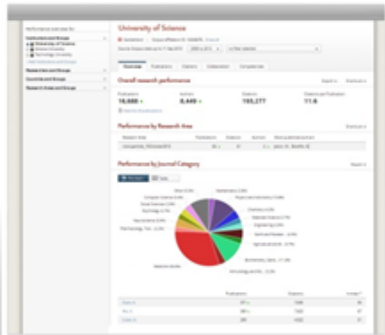
Scopus





Visualize research performance

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



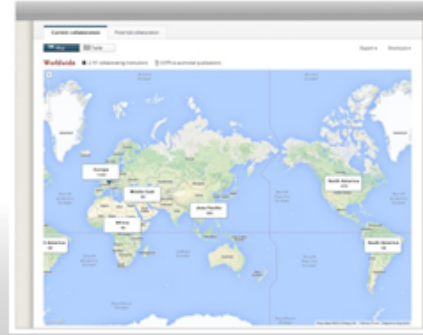
Benchmark your progress

Flexibility to create and compare any research groups



Develop collaborative partnerships

Identify and analyze existing and potential collaboration opportunities

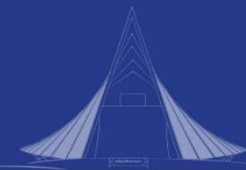


# Outline



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



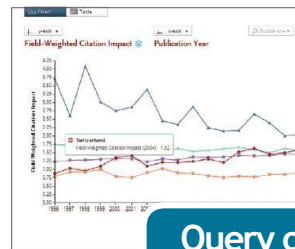
**Visualize research performance**

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



**Benchmark your progress**

Flexibility to create and compare any research groups



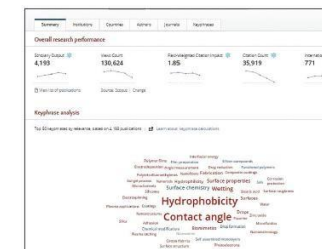
**Develop collaborative partnerships**

Identify and analyze existing and potential collaboration opportunities



**Analyze research trends**

Analyze research trends to discover the top performers and rising stars



Query over 170 trillion metric values



Unlock the promise of your research

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

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Products & Services

Research Initiatives

News & Events

Resource Library

FAQ

## 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

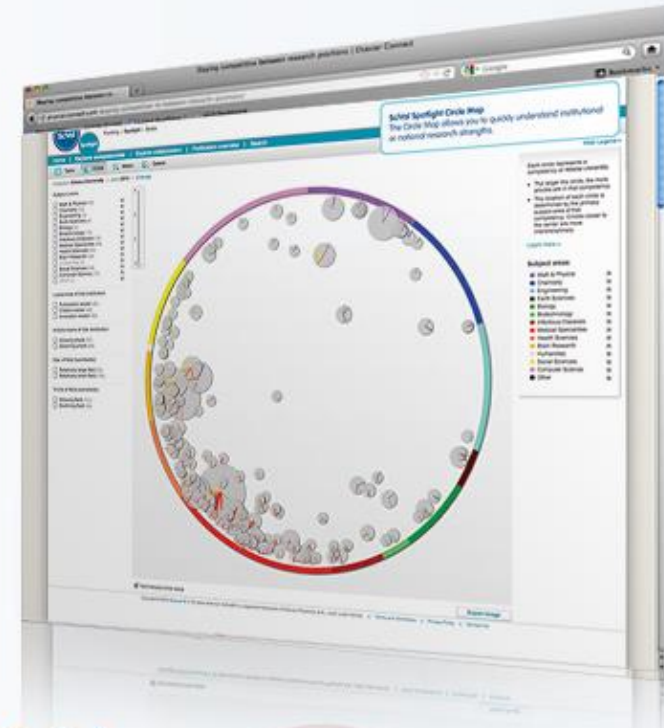
Product Login: [Experts](#) | [Funding](#) | [Spotlight](#) | [Strata](#)

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- 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 >>](#)





## 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 >

### Benchmarking

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.

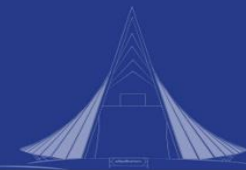
- Getting started with SciVal >
- Working with entities >
- Using SciVal for strategic planning >

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



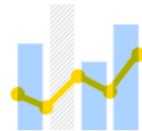
# Welcome to SciVal

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

Welcome,

Click the link below to get access to the Elsevier services you use via  
**Mahidol University.**

Get access

Or use this link:

[https://id.elsevier.com/ext/EIARedeem?dgcid=raven\\_id\\_institutionalaccess\\_email\\_SCIVAL&emailSignIn=8PVwYhTGuoibZD7ADcbho3LuwlmjWN05BdQpjcJlf0LdrgUVEBTySDksENEdD1hl&ui\\_locales=en-US](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

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

Mahidol University

---

SciVal Preferences

- Settings
- My SciVal
- My Tags

---

Account Information

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[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](#).

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- 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

.....

**ELSEVIER**

**Sign in**

Enter your password to sign in to IdentitySettings

Email  
narisra.kom@mahidol.ac.th

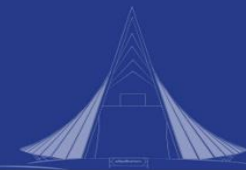
Password  
|\_\_\_\_\_

[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.

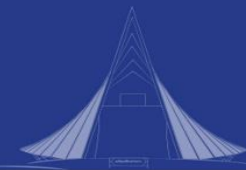


## Trends

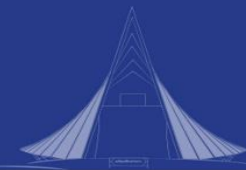


Dive deeper into an area of interest.

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



# Overview Module



## 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](#)



Hide tags

Institutions and Groups

★ Favorites

- Mahidol University

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

## 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

### Overall research performance

+ Add to Reporting

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

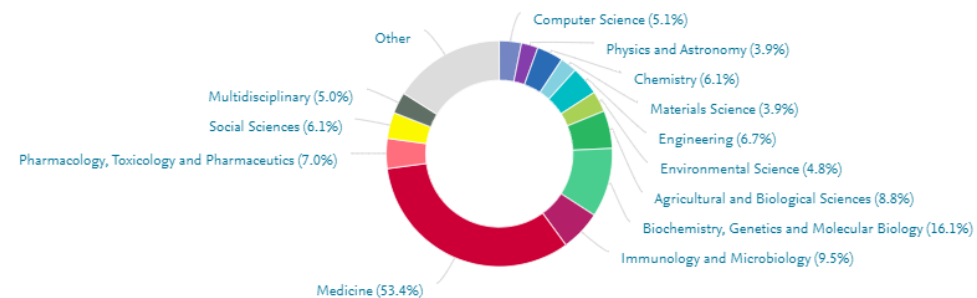
h5-index ⓘ

### 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](#)





# Researchers and Group



SciVal

Hide tags

Researchers and Groups

Your profile

- Komalwardhana, Narisra

Others

- LA\_MU

+ Add new

Clean this section

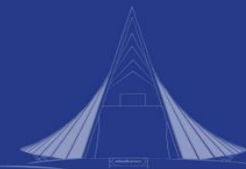
SciVal

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

**i** 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

\_\_\_\_\_

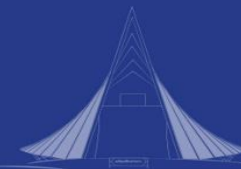
Affiliation

\_\_\_\_\_

+ Add another field



Search >



## Define a new Researcher ✕

- 1. Search
- 2. Select
- 3. Validate publications (optional)
- 4. Save Researcher

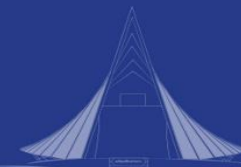
Select author name variant(s) that refer to the Researcher 1 result

<input type="checkbox"/>	Author	Publications ↓	Subject Area	Affiliation	Country/Region
<input checked="" type="checkbox"/>	<b>Komalawardhana, Narisra</b> Komalwardhana, Narisra <a href="#">Show recent publications</a>	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

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

h5-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

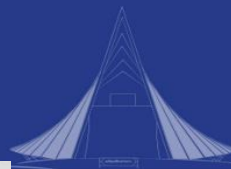
- Abhicharttibutra, Kulwadee
- Baosoung, Chavee
- Bhaktikul, Kampanad
- Biomedical Sciences, MB MU
- Biotechnology, MB MU
- Boonchieng, W.
- Boonserm, Panadda
- Buddhirakkul, Prapim
- Bunyaratavej Ahnond
- Bunyaratvej, Ahnond
- Center for Biomedical Instrument, MB MU
- Center for Vaccine Development,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

Hide tags

Type to filter

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
- 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 >



SciVal

Hide tags

Researchers and Groups

Your profile

- Komalwardhana, Narisra

Others

- LA\_MU

+ Add new

Clean this section

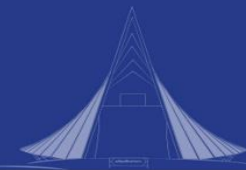
SciVal

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



Replace the example content with your own content.

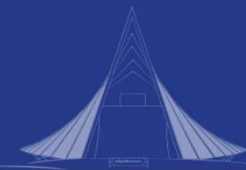
# Or structure your file like this

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

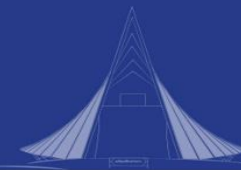
Faculty of Environmental ✓

Modify Researcher Group

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

Save name > 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

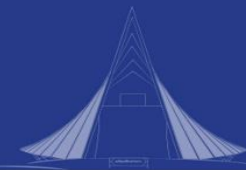
Type to filter  All

- Abhicharttibutra, Kulwadee
- Baosoung, Chavee
- Bhaktikul, Kampanad
- >  Biomedical Sciences, MB MU
- >  Biotechnology, MB MU
- 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, Bantthit

Hide tags

Type to filter  Tags

- My Researcher Group 1
- Add group
- Abhicharttibutra, Kulwadee  
CMU\_NS
- Baosoung, Chavee  
CMU\_NS
- Bhaktikul, Kampanad



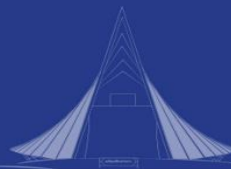
# Group Sharing



SciVal

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	Share this entity with other SciVal users
	Baosoung, Chavee	CMU_NS	
	Bhaktikul, Kampanad		Added
	>  NU_MU		Shared
	>  NU_MU_Food Group		Shared



## 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



## 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

Table  Chart

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

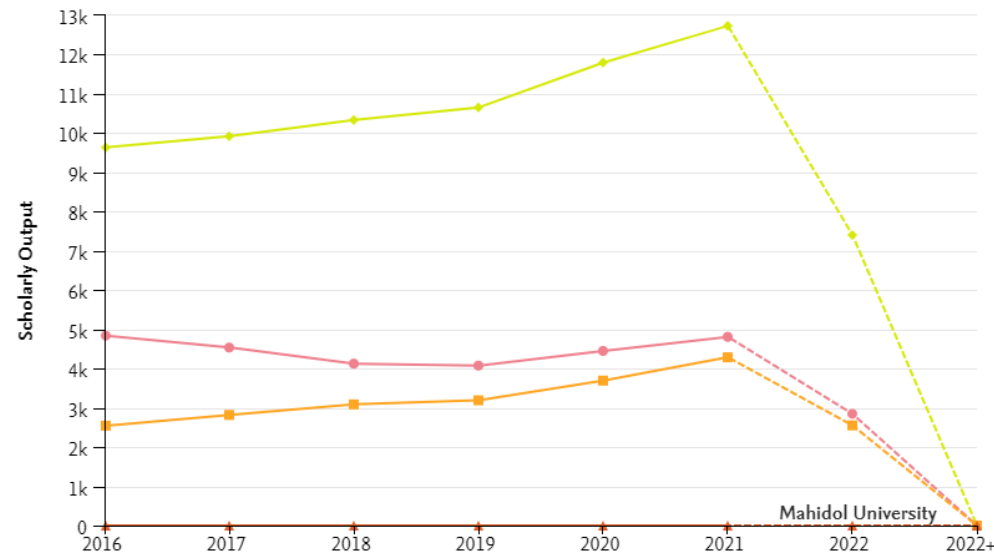
y-axis

x-axis

Bubble size

Scholarly Output

Publication Year



- 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

2016 to >2022  All subject areas

**Institutions and Groups**

★ Favorites | [Deselect all](#)

- Mahidol University

Others | [Deselect all](#)

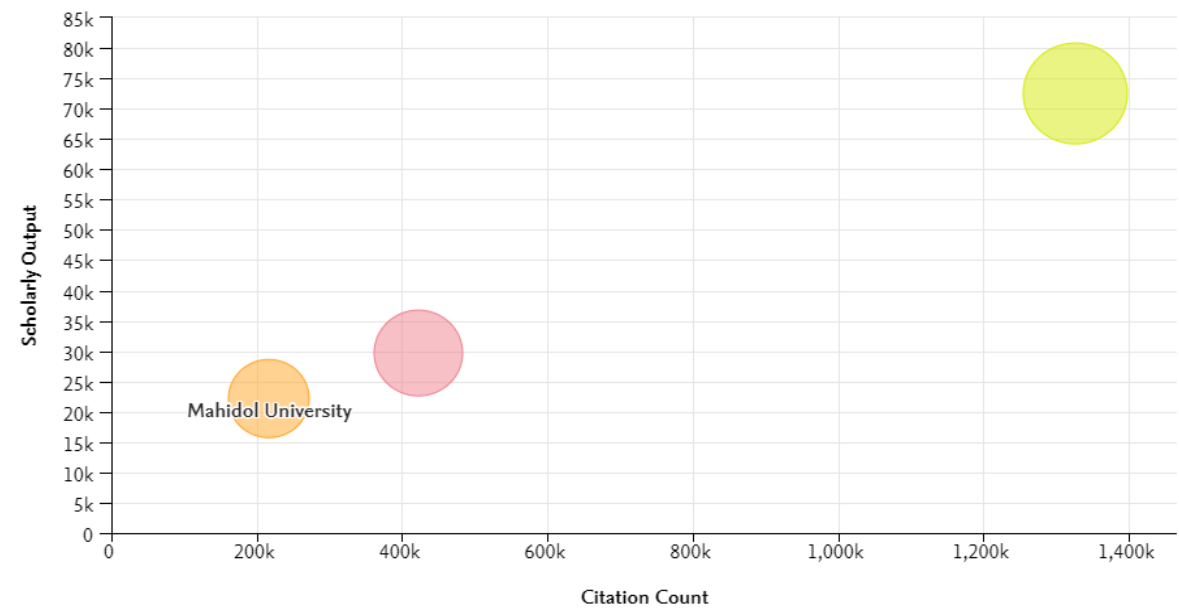
- National University of Singapore
- University of Malaya

↓ y-axis  **Scholarly Output** ⚙️

↓ x-axis  **Citation Count** ⚙️

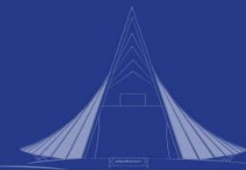
⊙ Bubble size  **Field-Weighted Citation Impact** ⚙️

View timeline motion chart



- National Univer
- University of M
- Mahidol Univer
- Hide all chart labels
- View list of Scopus! Groups

Field-Weigl



SciVal Overview Benchmarking Collabo

2016 to >2022 v All subject areas

> Deselect all Hide tags x

**Institutions and Groups** 🔍

★ Favorites | [Deselect all](#)

- Mahidol University

Others | [Deselect all](#)

- National University of Singapore
- University of Malaysia

+ Add new
 ↶ Clean this section

Table
Chart

↓ y-axis ^
↓ x-axis v

Scholarly Output
Publication Year

- Collaboration v
- Published ^
- Scholarly Output >
- Subject Area Count
- Scopus Source Title Count
- ⚙️ h-indices
- Viewed v
- Cited v
- Patent Impact v
- Media Impact v
- Topic Indicators v
- Awarded Grants v

**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:

Choose metric >



> Deselect all Hide tags X

Institutions and Groups

★ Favorites | Deselect all

Mahidol University

Others | Deselect all

National University of Singapore

University of Malaya

+ Add new

Clean this section

2016 to >2022 All subject areas

Table Chart

Metric guidance

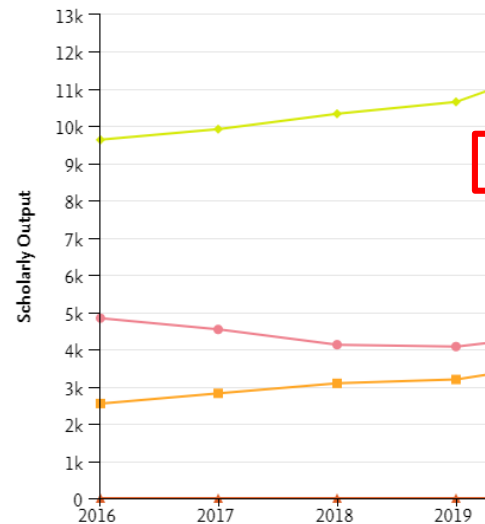
y-axis

x-axis

Bubble size

### Scholarly Output

### Publication Year



- Collaboration
- Published
- Viewed
- Cited
- Citation Count**
- Field-Weighted Citation Impact
- Outputs in Top Citation Percentiles
- Publications in Journal Quartiles
- Publications in Top Journal Percentiles
- Citations per Publication
- Cited Publications
- h-indices
- Number of Citing Countries
- Collaboration Impact
- Academic-Corporate Collaboration Impact
- Citing-Patents Count
- Patent-Cited Scholarly Output
- Patent-Citations Count
- Patent-Citations per Scholarly Output

#### Citation Count

Total citations received by publications of the selected entities.  
[Learn more about this metric](#)

Include self-citations

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

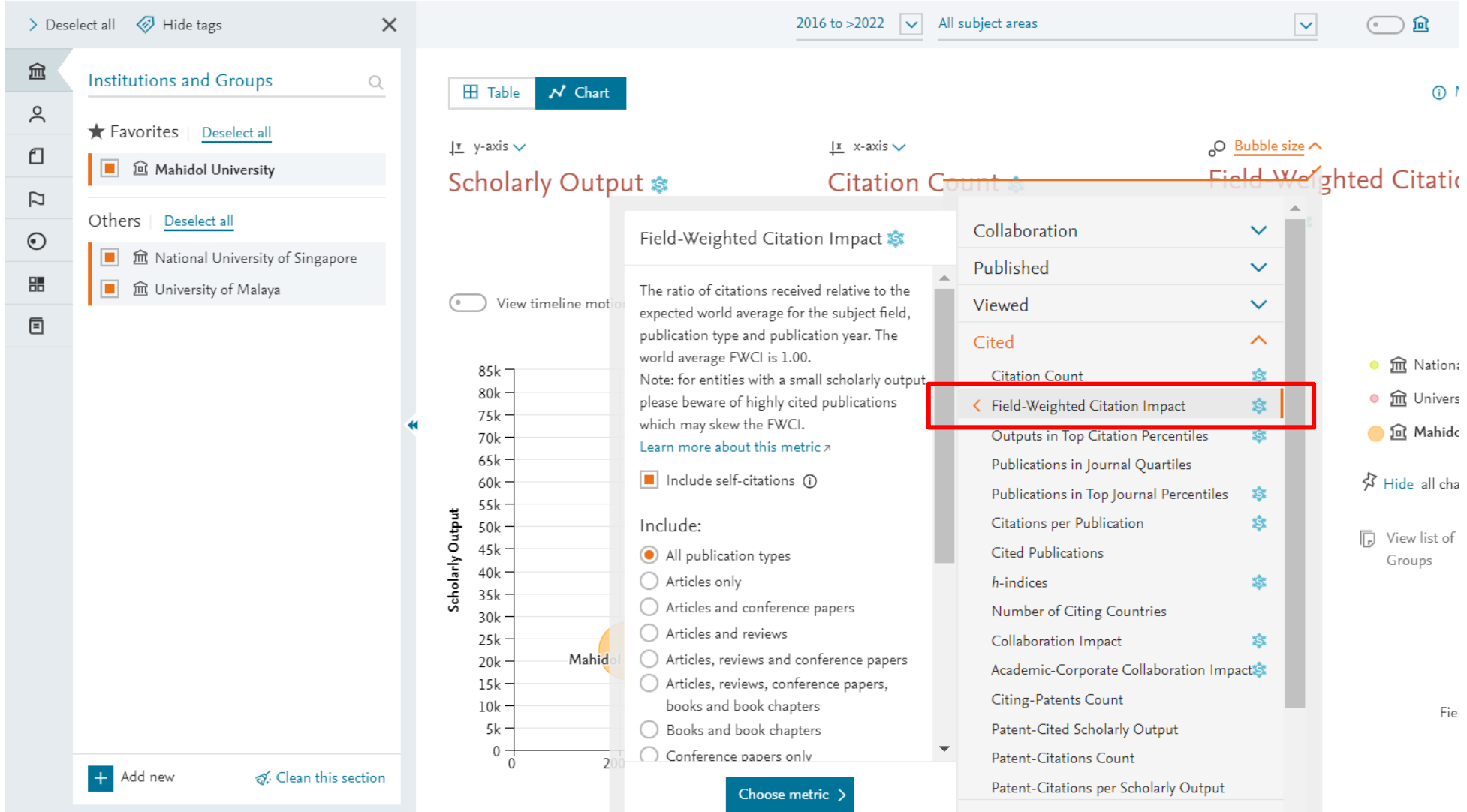
In case filter applied, only values for individual Researchers will be shown

Choose metric

Metrics details

y-axis: Scholarly Output  
Types of publications included: a

x-axis: Publication Year





> 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

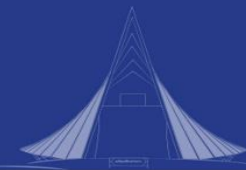
All Metrics Rankings Metrics

**Table**  Chart

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

**Benchmark multiple metrics** | [Reset to one metric over time](#)

Entity <input type="checkbox"/>	Scholarly Output <input type="checkbox"/>	Citation Count <input type="checkbox"/>	Field-Weighted Citation Impact <input type="checkbox"/>
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

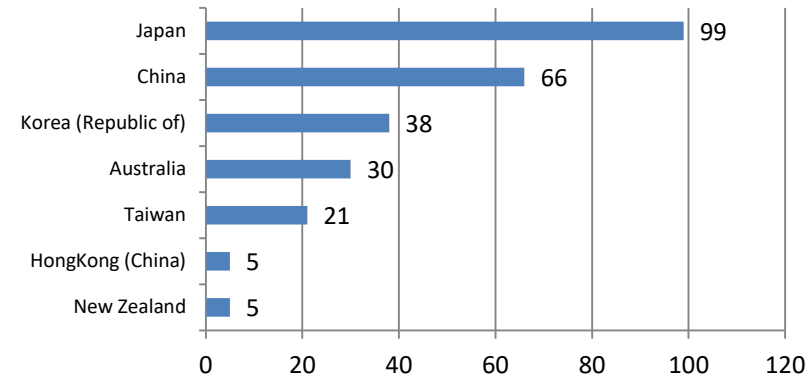


# Collaboration Module

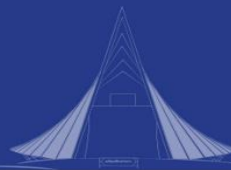


# ASIA PACIFIC & AUSTRALIA

- **Japan - 99 collaborating institutions**
- China – 66 collaborating institutions
- Korea (Republic of) - 38 collaborating institutions
- Australia – 30 collaborating institutions
- Taiwan – 21 collaborating institutions
- Hong Kong (China) – 5 collaborating institutions
- New Zealand – 5 collaborating institutions
- **ASEAN (9 countries exclude Thailand)**

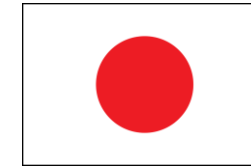




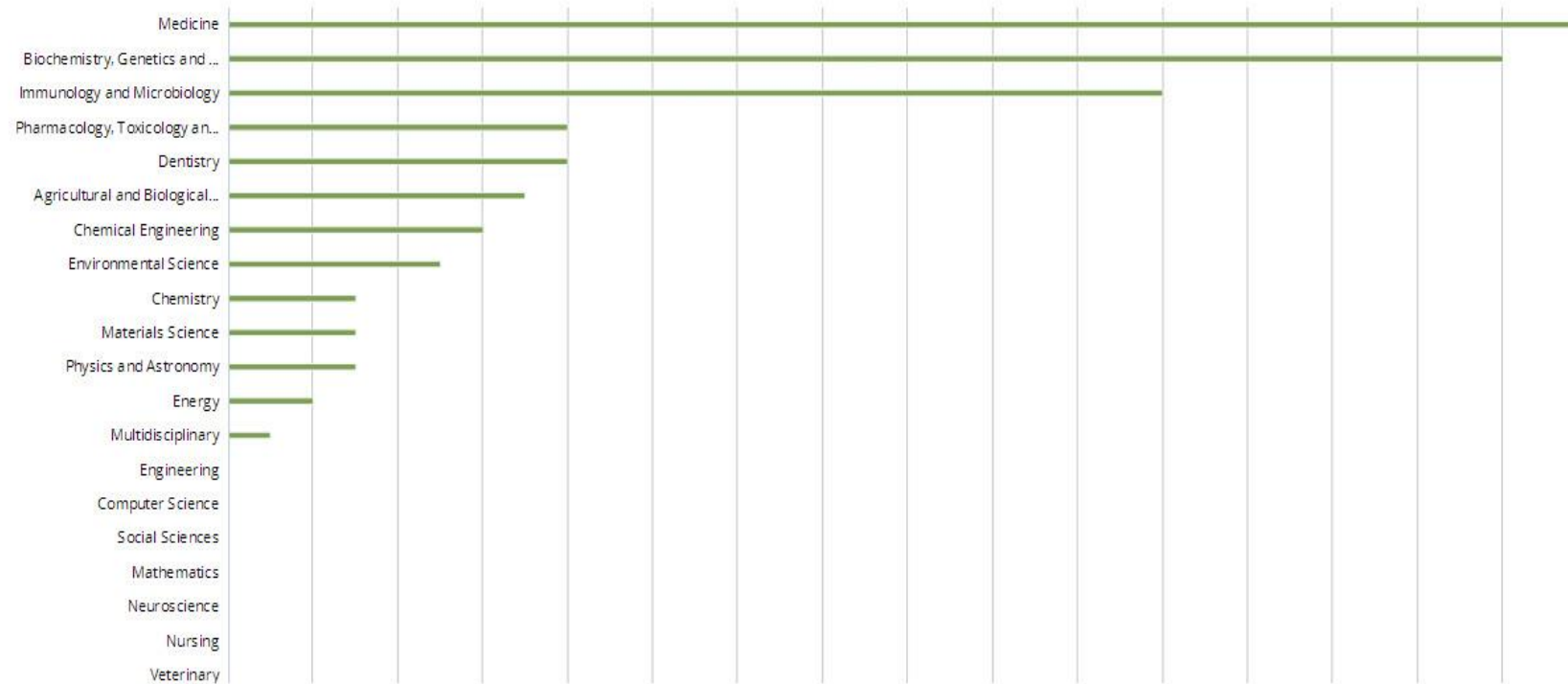


LIST OF MAJOR COLLABORATED FIELD IN JAPAN

- Medicine
- Biochemical Genetics and Molecular Biology
- Immunology and Microbiology
- Pharmacology, Toxicology and Pharmaceutics
- Dentistry
- Agricultural and Biological Science
- Chemical Engineering
- Environmental Science
- Chemistry
- Materials Science
- Physics and Astronomy
- Energy
- Multidisciplinary

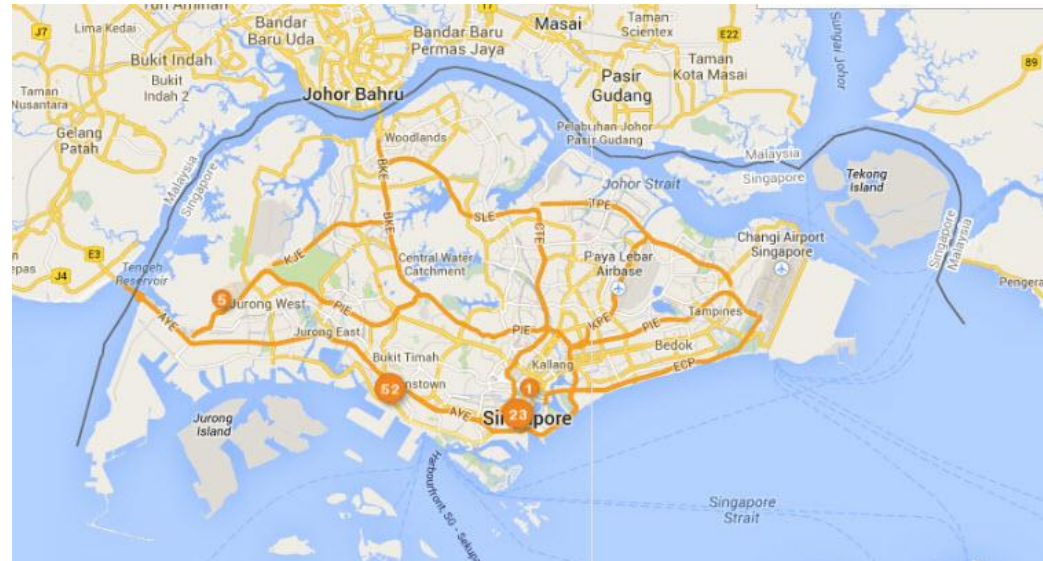


# Japan: Collaborated Field





# Singapore



The number in orange circle shows the number of co-authored publications of each institute which has collaborated with Mahidol University. >>>

LIST OF MAJOR COLLABORATED FIELD IN SINGAPORE

No.	Institution	Co-authored publications	Co-authors at Mahidol University	Co-authors at the other Institution	Citations	Citations per Publication	Field-Weighted Citation Impact
1	National University of Singapore	52	58	91	894	17.2	2.73
2	A-STAR	23	42	36	233	10.1	1.57
3	Nanyang Technological University	5	10	11	53	10.6	1.8
4	Singapore Management University	1	1	1	5	5	1

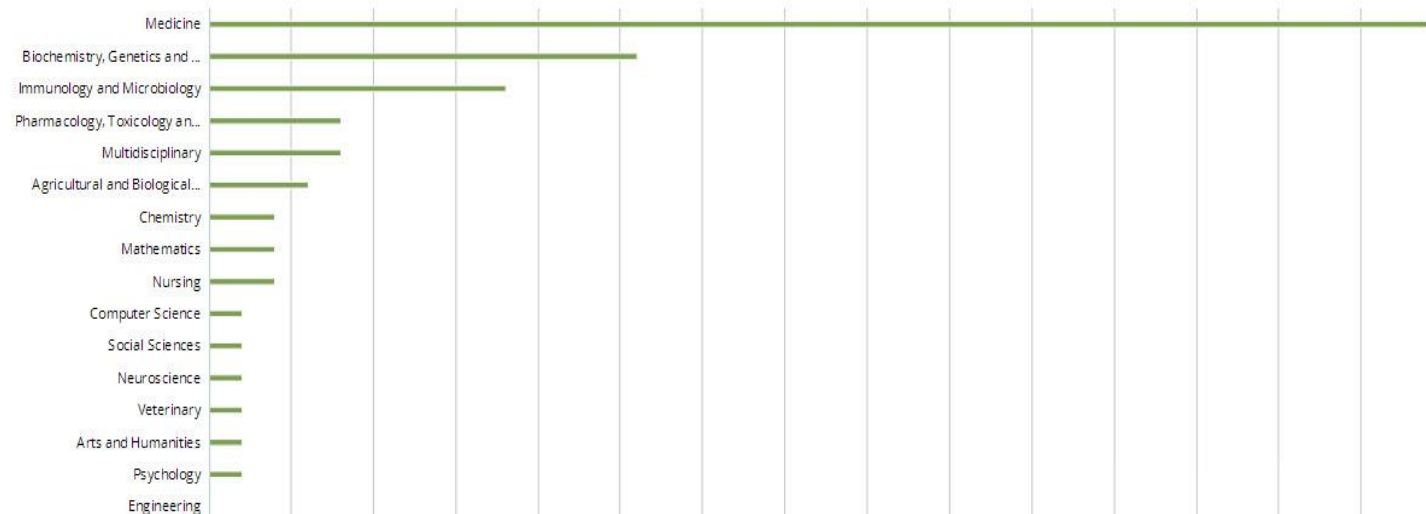


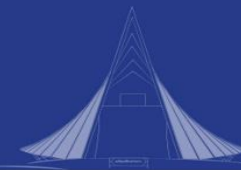
# Singapore: Collaborated Field

## LIST OF MAJOR COLLABORATED FIELD IN SINGAPORE

- Medicine
- Biochemical Genetics and Molecular Biology
- Immunology and Microbiology
- Pharmacology, Toxicology and Pharmaceutics
- Multidisciplinary
- Agricultural and Biological Immunology and Microbiology
- Chemical
- Mathematics
- Nursing

Can we explore  
Co-authored publications?  
Co-authors?





# 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.



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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](#)



- Home
- Overview
- Benchmarking
- Collaboration
- My SciVal

Hide tags

**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

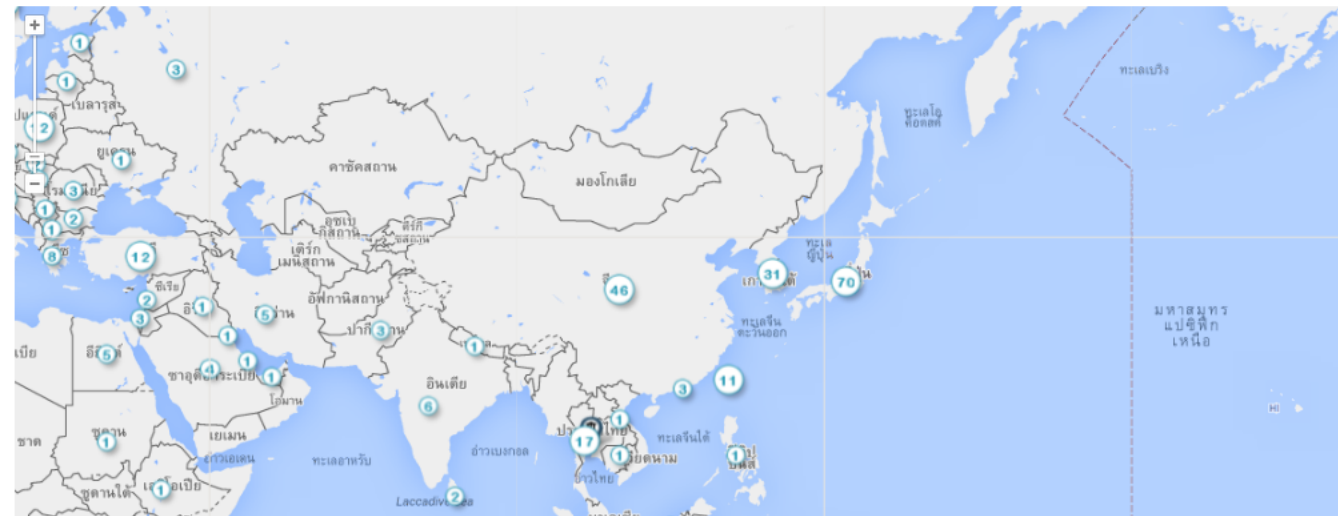
Current collaboration | Potential collaboration

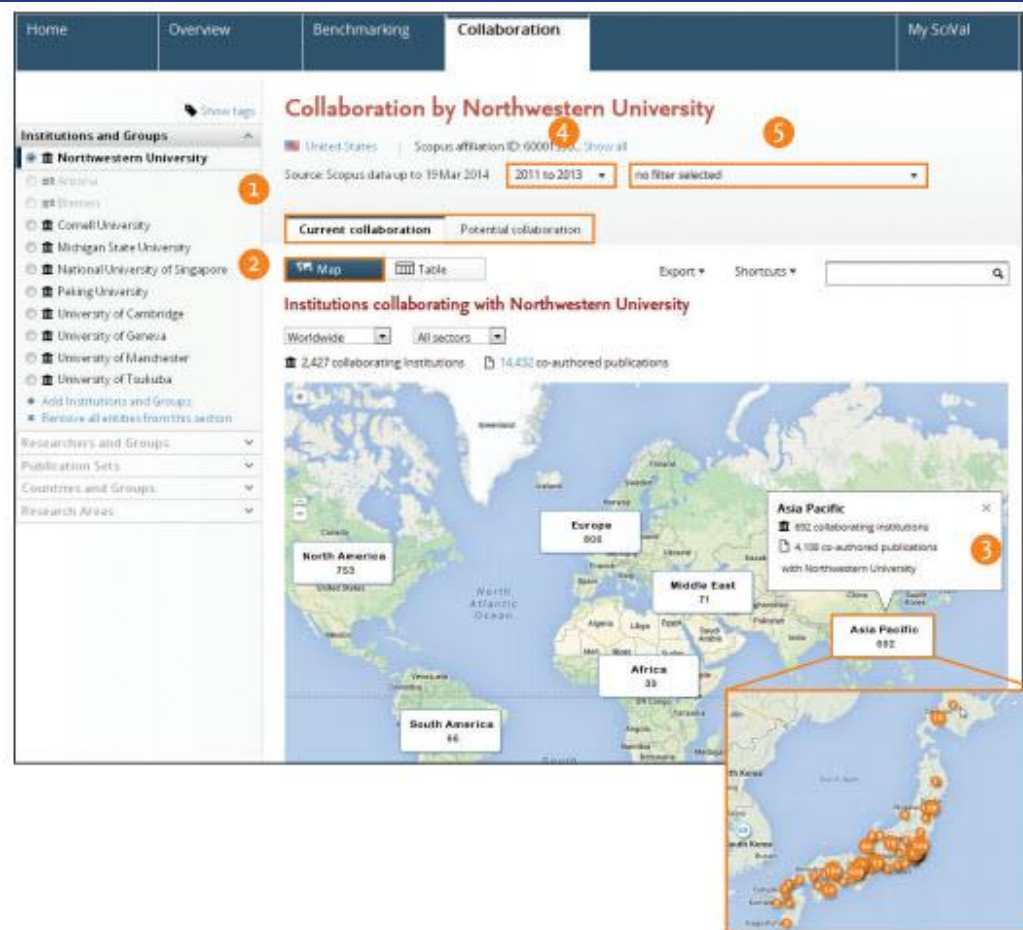
Map | Table | Export | Shortcuts | Find Institution

### 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**.



**Collaboration by Northwestern University**

Current collaboration: **6**

Institutions collaborating with Northwestern University: **8**

Institution	Co-authored publications	Citations	Field-Weighted Citation Impact
Northwestern University	550	388	1.00
University of California	307	171	1.00
University of Toronto	180	100	1.00
University of Oxford	159	138	1.00
University of Michigan	150	101	1.00
Harvard University	114	102	1.00
Stanford University	102	100	1.00
University of Washington	92	108	1.00
University of Wisconsin-Madison	87	100	1.00

Region: All countries

Country: All countries

Segment: All segments

**Collaboration with the Tata Institute of Fundamental Research**

Year range: 2017 to 2023

Northwestern University: **145** co-authored publications

Tata Institute of Fundamental Research: **154** co-authored publications

Co-authored publications: **331**

Metric	Northwestern University	Tata Institute of Fundamental Research
Citations	132,223	6,540
Citations per Publication	5.8	19.6
Field-Weighted Citation Impact	1.99	4.55
Publications	22,745	2,701
Authors	15,915	1,587

Co-authored publications by Journal Category:

- Physics and Astronomy
- Engineering
- Business, Management and Accounting
- Behavioral Science
- Medicine
- Biochemistry, Biophysics and Chemistry

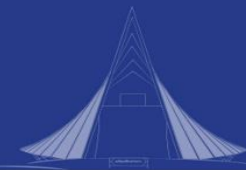
**Collaboration with the Tata Institute of Fundamental Research**

Year range: 2017 to 2023

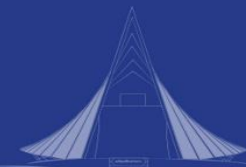
Author	Co-authored publications	Citations
T. S. S.	20	68.0
M. S. S.	10	6.72
A. S. S.	10	4.84
S. S. S.	10	6.37
P. S. S.	10	2.78
D. S. S.	10	4.57
A. S. S.	10	4.20
S. S. S.	10	2.98
A. S. S.	10	4.94
A. S. S.	10	2.17

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

- 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
- Identify collaborating authors from each institution and identify which authors collaborate with each other.



# Trends Module



# Trends Module



SciVal

Overview

Benchmarking

Collaboration

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Scopus ↗



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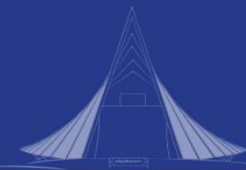


Trends



Dive deeper into an area of interest.

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



# 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**

> Total matching publications (2013-present) **324,377**

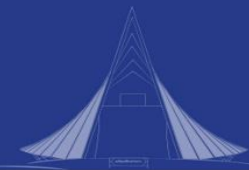
Name	Publications
<input checked="" type="checkbox"/> Medicine	216,439
<input type="checkbox"/> Biochemistry, Genetics and Molecular Biology	63,503
<input type="checkbox"/> Pharmacology, Toxicology and Pharmaceutics	40,499
<input type="checkbox"/> Health Professions	19,723
<input type="checkbox"/> Agricultural 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

Currently applied filters:  
**No filters applied yet**

[Previous step](#)

[Next step](#)



# Trends Module

## Define a new Research Area ? View quick guide X

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 type="checkbox"/> Pakistan	1,356	<b>Medicine X</b>
Institutions	<input type="checkbox"/> Portugal	1,335	
Countries	<input type="checkbox"/> Saudi Arabia	1,332	
	<input checked="" type="checkbox"/> Thailand	1,301	
Organization types	<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

< 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 ( Immunology and Microbiology ✕ OR Biochemistry, Genetics and Molecular Biology ✕ OR Pharmacology, Toxicology and Pharmaceutics ✕ OR Health Professions ✕ )
Institutions	<input type="checkbox"/> Khon Kaen University	113	
Countries	<input type="checkbox"/> Chulalongkorn University	69	
Organization types	<input type="checkbox"/> Chiang Mai University	58	
	<input type="checkbox"/> University of Oxford	44	
	<input type="checkbox"/> Thammasat University	42	
	<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	
	<input type="checkbox"/>		

Limit >   
  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

Currently applied filters:

Medicine ✕ AND Thailand ✕ AND (

Immunology and Microbiology ✕ OR

Biochemistry, Genetics and Molecular

Biology ✕ OR Pharmacology,

Toxicology and Pharmaceutics ✕ OR

Health Professions ✕) AND Mahidol

University ✕

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](#) ∨

[Previous step](#)

Save and finish >

Save and define another Research Area >



## Keyphrase analysis ⓘ

# Trends Module

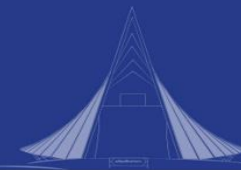
Top 50 keyphrases by relevance, based on 201 publications | [Learn about keyphrase calculations](#) ↗



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

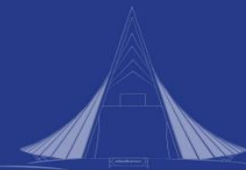
อยากทราบว่า มหาวิทยาลัยมหิดล มีความร่วมมือด้านไหนบ้างกับมหาวิทยาลัยนี้





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



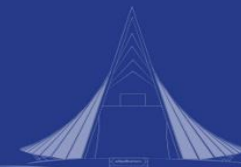


# SciVal for AXiiS

## 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))

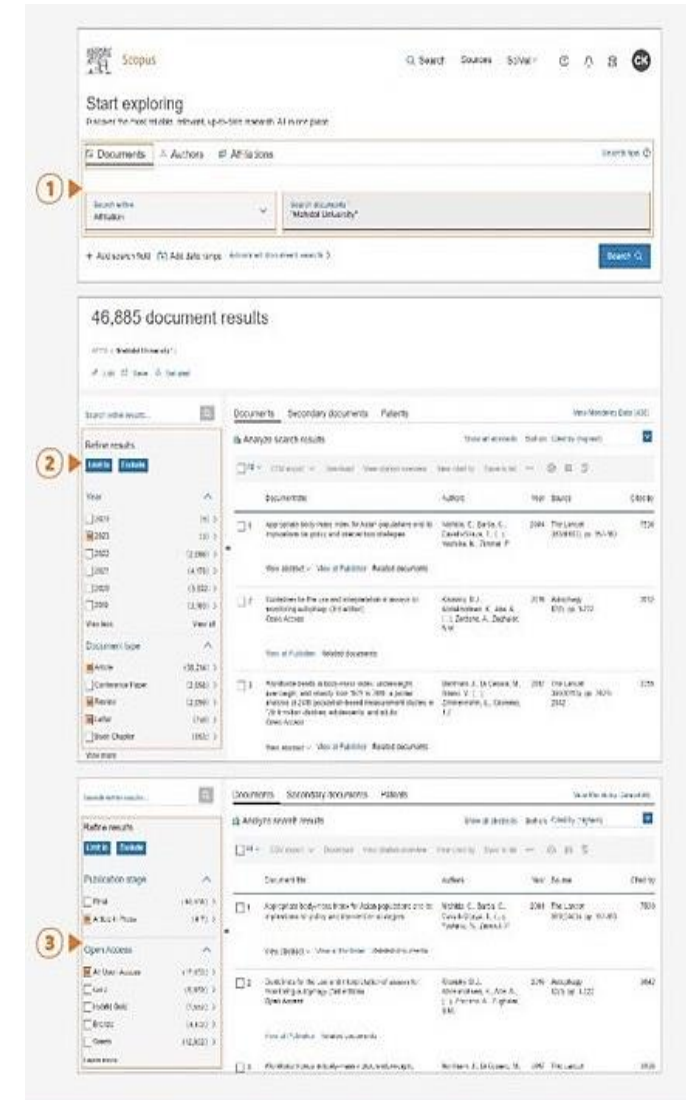


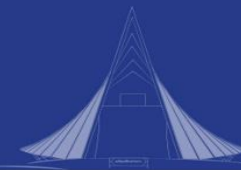
# ตัวชี้วัด 1.1 >> SCOPUS

## International Publication (per year)

(จำนวนผลงานวิจัยตีพิมพ์ในวารสารวิชาการระดับนานาชาติ)

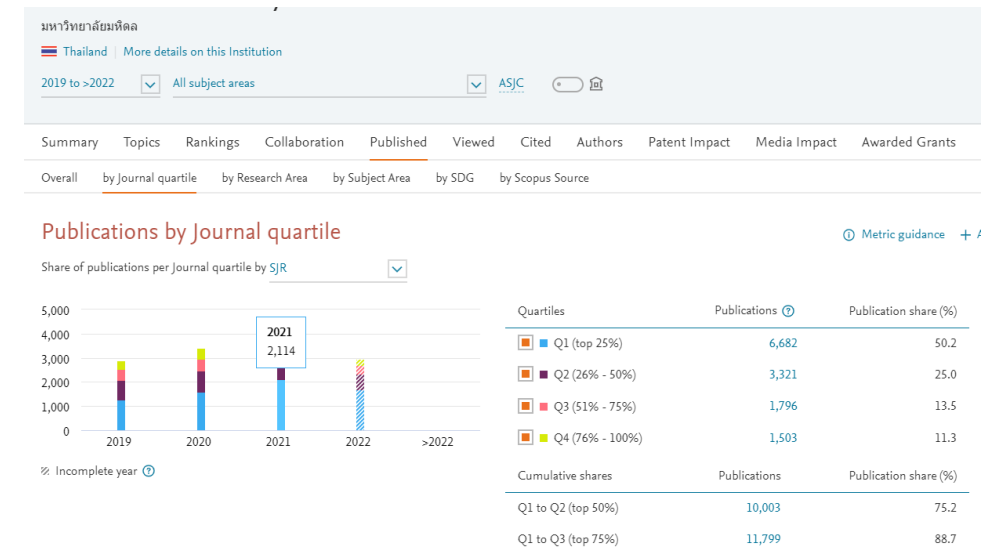
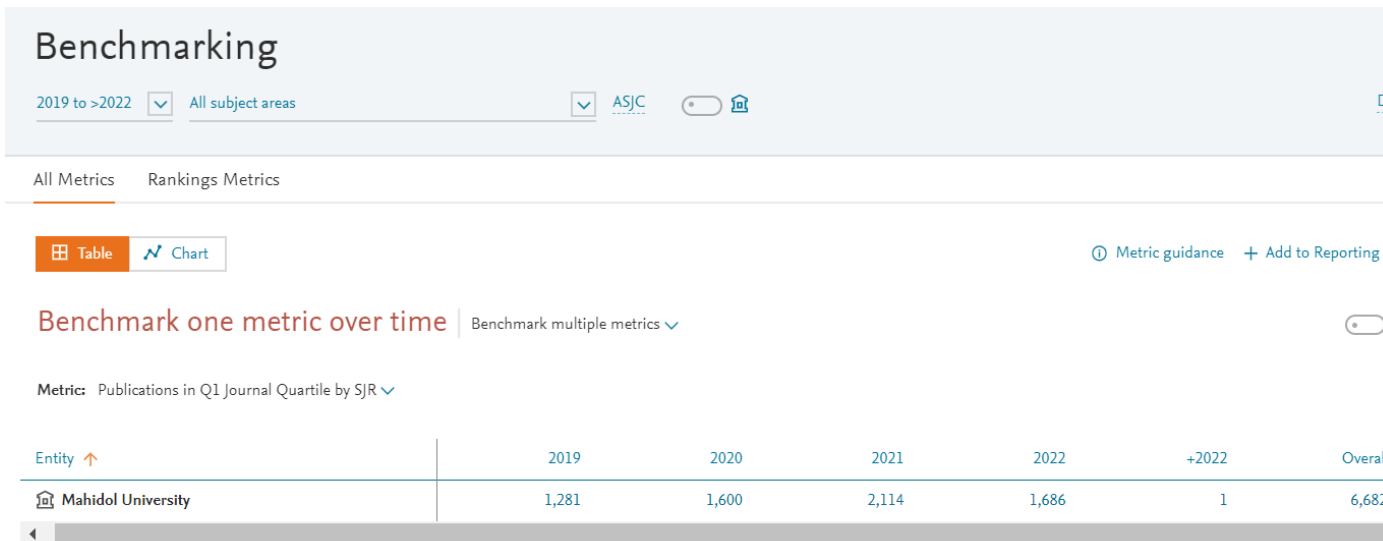
1. เข้าสู่ฐานข้อมูล Scopus  
เลือก Documents
  - Search within เลือก Affiliation
  - Search documents \*ระบุ ชื่อส่วนงาน, Mahidol University จากนั้น คลิกปุ่ม Search
2. เมื่อเข้าสู่หน้าผลลัพธ์ ให้คัดกรองข้อมูลจาก Refine results
  - Year เลือก 2023
  - Document type เลือก Article, Review และ Letter จากนั้น คลิกปุ่ม Limit to
3. เมื่อได้ผลการสืบค้นแล้ว ให้ตรวจสอบ Publication stage ว่าเป็น Article in Press หรือไม่  
กรณีเป็น Article in Press ให้นำเฉพาะผลงานที่ตีพิมพ์ในวารสาร Open Access และมี DOI แล้วเท่านั้น

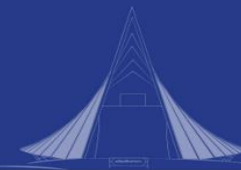




# ตัวชี้วัด 1.2 >> SCIVAL

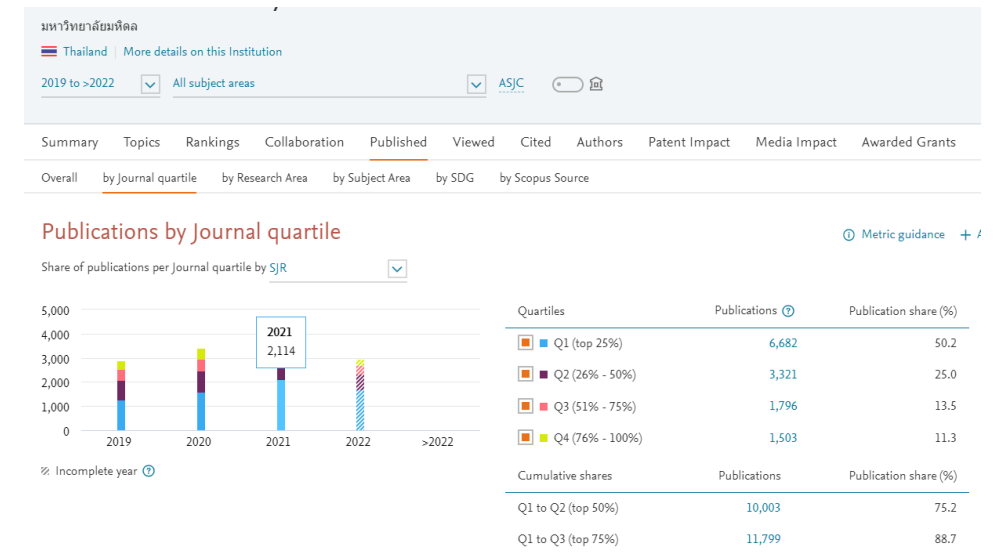
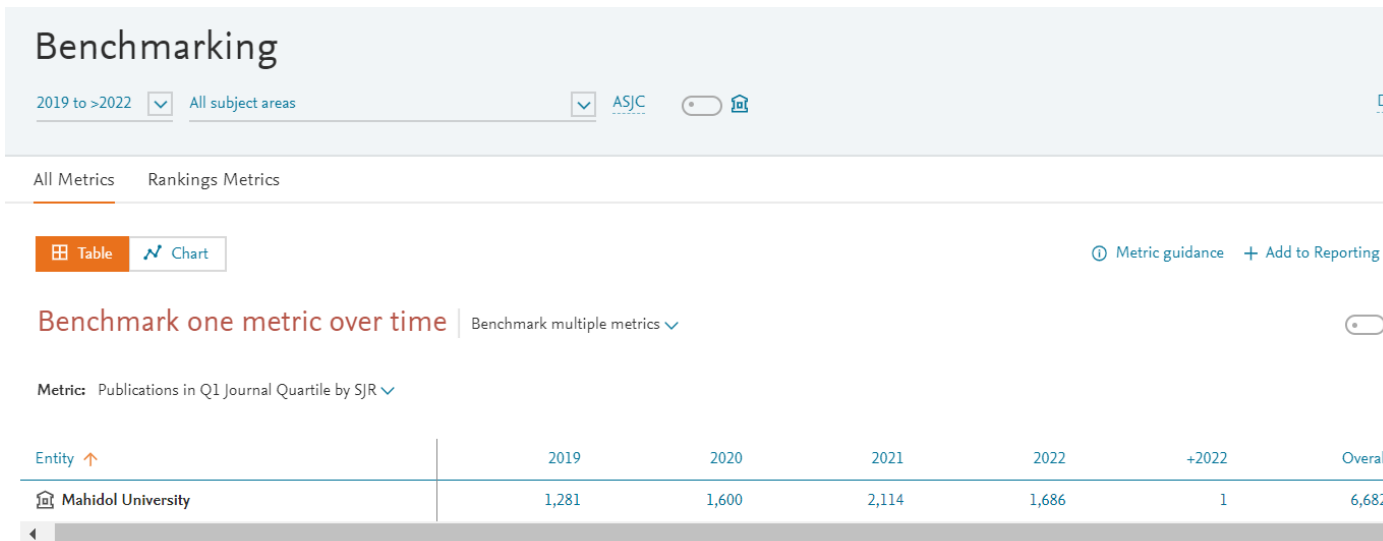
International Publication in Q1 (per year) (จำนวนผลงานวิจัยตีพิมพ์ในวารสารที่อยู่ใน Q1)

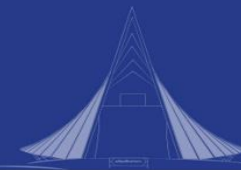




## ตัวชี้วัด 1.3 >> SCIVAL

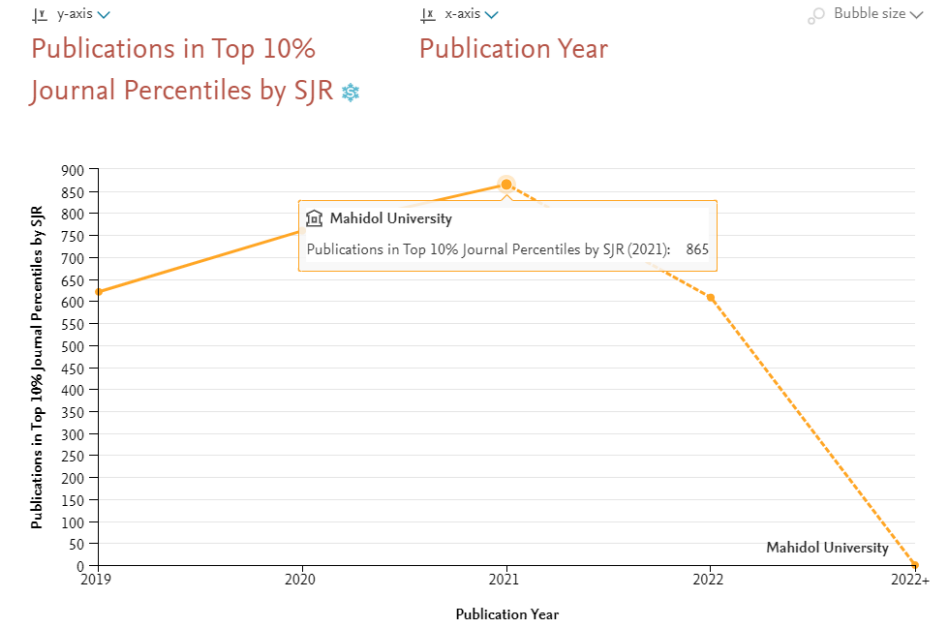
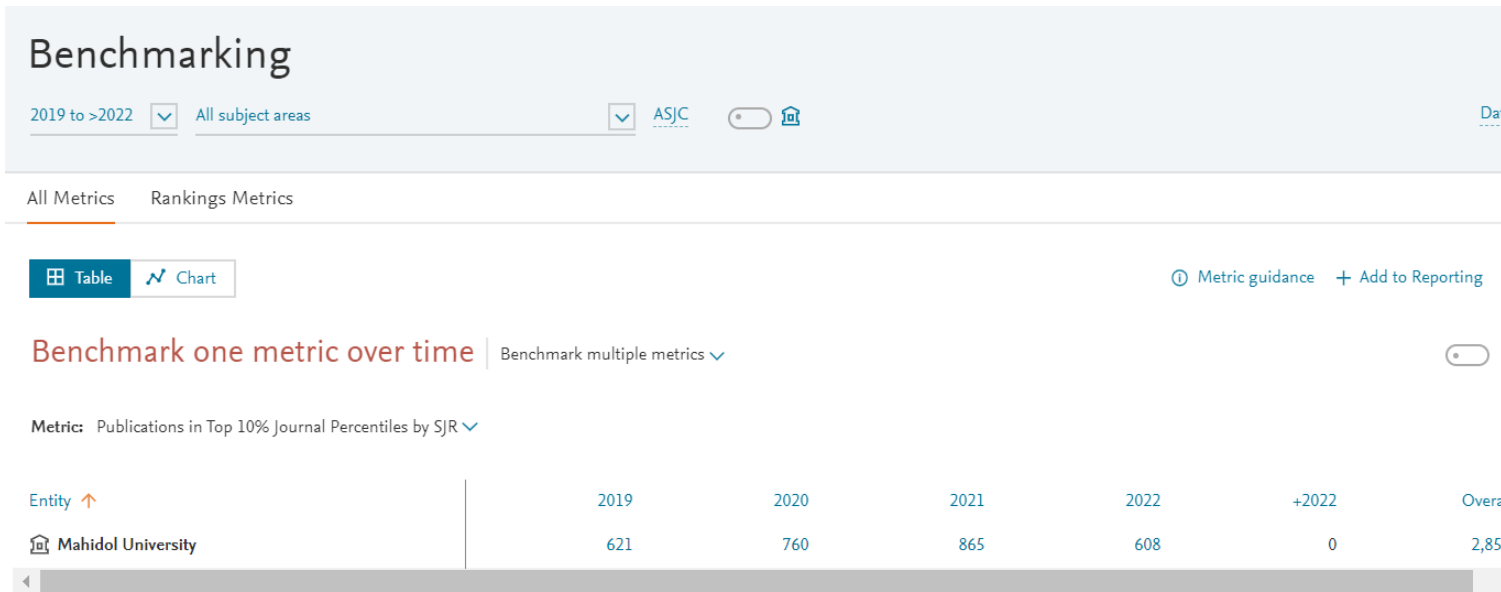
International Publication in Q1 per Academic Staff (จำนวนผลงานวิจัยตีพิมพ์ในวารสารที่อยู่ใน Q1 ต่อบุคลากรสายวิชาการ)

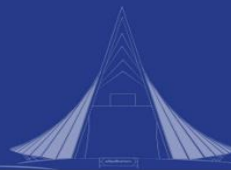




## ตัวชี้วัด 1.4 >> SCIVAL

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





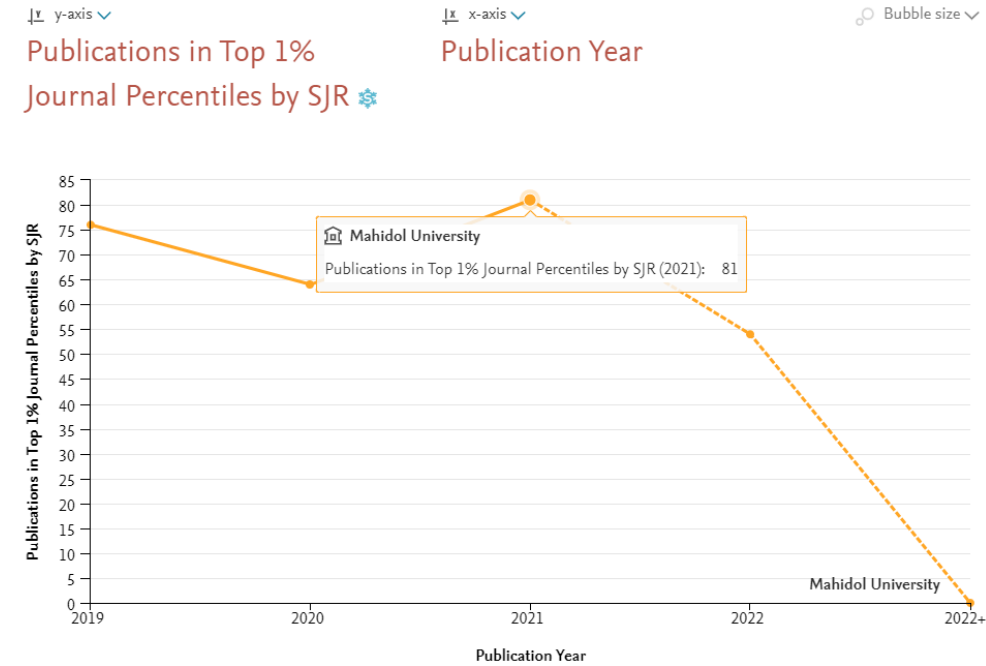
# ตัวชี้วัด 1.5 >> SCIVAL

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	2019	2020	2021	2022	+2022	Overall
Mahidol University	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

1,419

2020

1,746

2021

2,007

2022

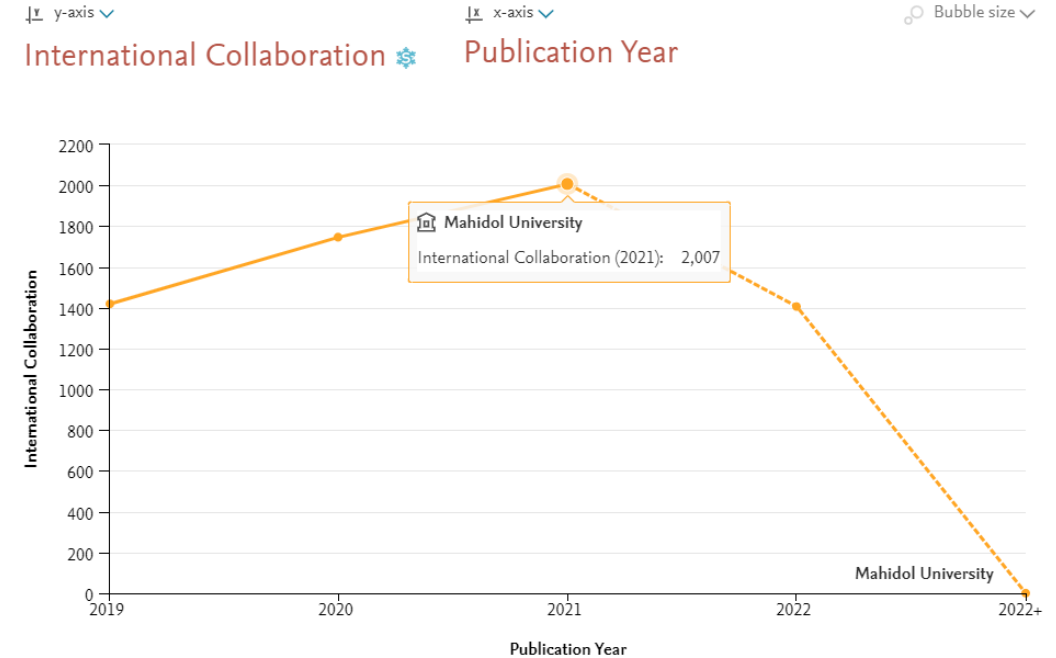
1,406

+2022

1

Overall

6,579





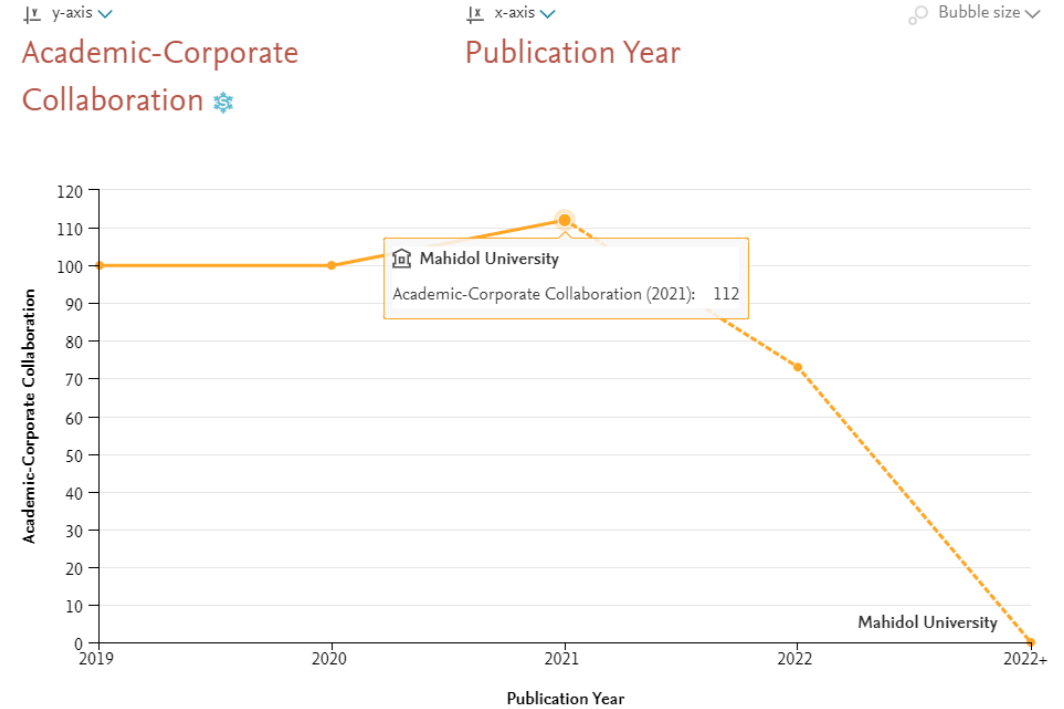
## ตัวชี้วัด 1.7 >> SCIVAL

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

Benchmark one metric over time | Benchmark multiple metrics

Metric: Academic-Corporate Collaboration

Entity	2019	2020	2021	2022	+2022	Overall
Mahidol University	100	100	112	73	0	385

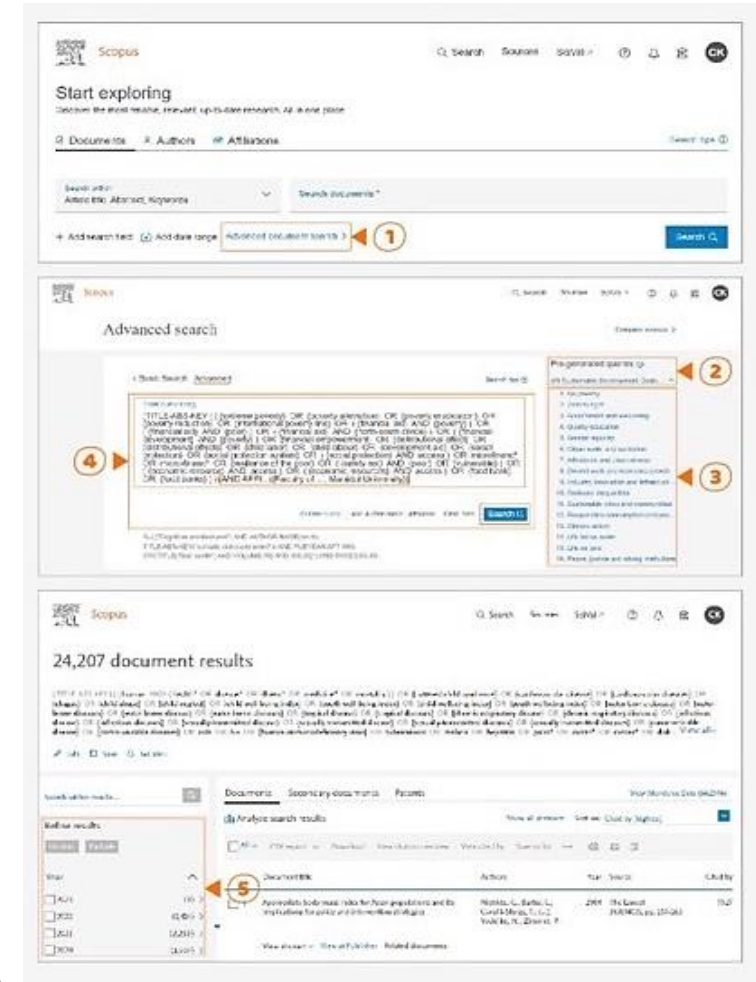


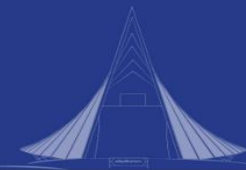


# ตัวชี้วัด 1.8 >> SCOPUS

## 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/0006/604356/IntroSciValPoland-2018_WEB.pdf)
- [https://www.elsevier.com/\\_data/assets/pdf\\_file/0003/1280685/SciVal-Reporting.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

Introduction to SciVal

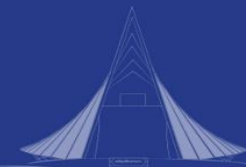




## แบบประเมิน

<https://forms.gle/fB6aLYtdn4cqJvzw5>





# Question & Answer



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