

Elsevier Research Intelligence

Analysis of Khon Kaen University SciVal

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SciVal Report for Khon Kaen University, Thailand

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Context

Context

- Khon Kaen University subscribes to SciVal, which is a Research Intelligence Tool designed to help you make smart decisions.
- A research strategy is best planned by combining expert opinion with objective data from SciVal.
- We hereby provide an analysis of KKU using SciVal. It is not comprehensive, but will help you understand its application.
- Elsevier provides free consultancy with SciVal. We are at your service to help you make best use of this tool.

Executive Summary

1. Objective data is a great asset to help you make informed decisions regarding your strategy, setting objectives, judging your progress towards goals, assessing teams, individuals, collaborating partnerships, identifying world experts to recruit or collaborate with etc.
2. SciVal uses Scopus data which is the same data which University Rankings such as Times Higher Education (THE) and Quacquarelli Symonds (QS) use.
3. Khon Kaen University (KKU) ranks fifth in Thailand in terms of publication output in the last 5 years, (4170 papers between 2010-2015).
4. KKU's overall Field-Weighted Citation Impact (FWCI) is 0.95 indicating that publications are cited 5% less than world average. Raising citation impact will positively effect university rankings, given stability or improvement in other ranking criteria.
5. Key strengths of KKU include Engineering, Materials Science and Physics and Astronomy, Environmental Science, Pharmacology, Toxicology and Pharmaceuticals as they show high FWCI and significant volumes.
6. Very high growth and high impact areas for KKU include Economics, Econometrics and Finance and Energy. Of the high volume subject areas, Engineering shows high growth.

Executive Summary

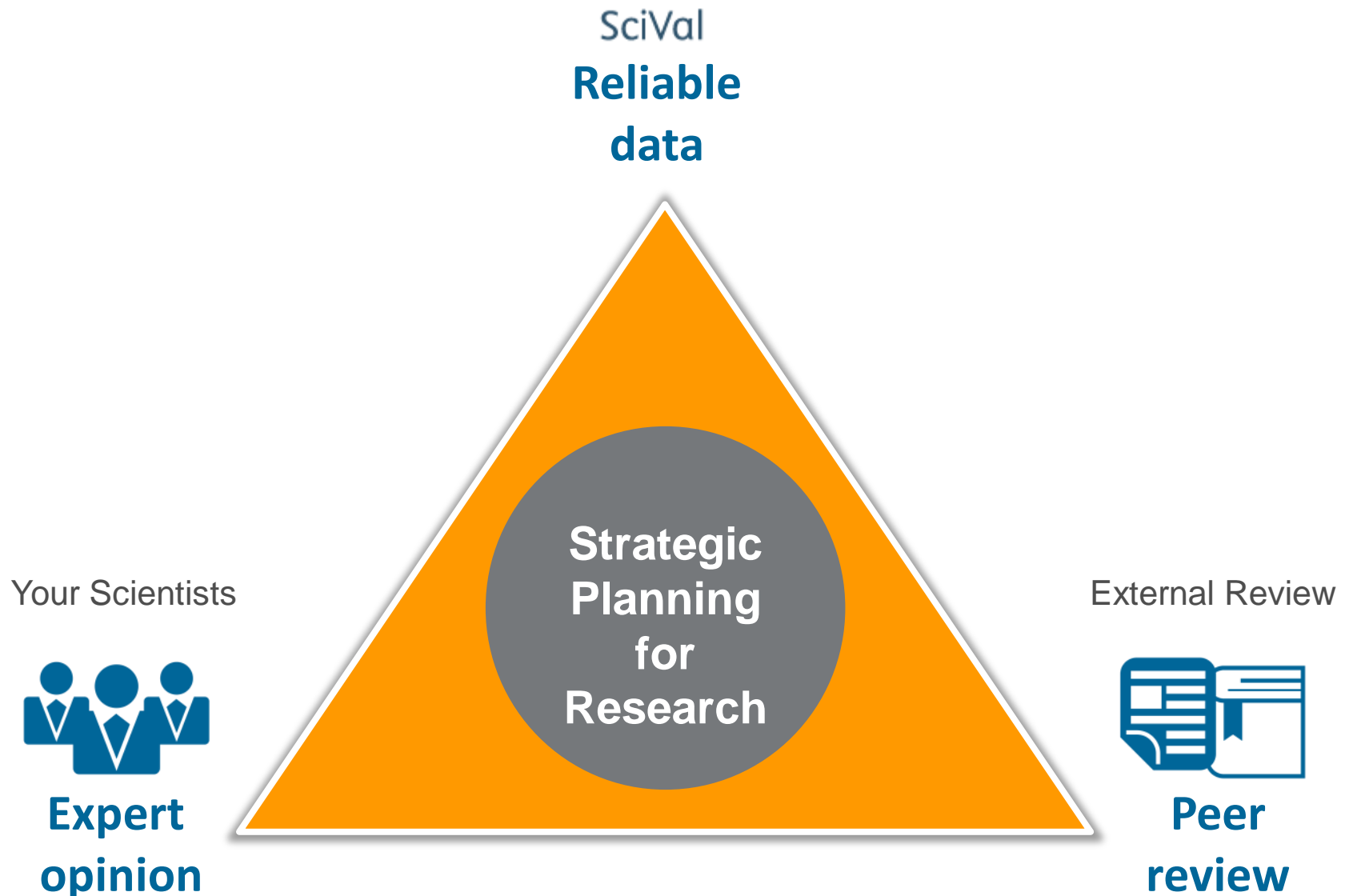
7. KKU shows below average FWCI in number of big subjects including Medicine, Agricultural and Biological Sciences, Biochemistry, Genetics and Molecular Biology, and Mathematics.
8. We observe a number of multidisciplinary research competencies related to Medicine. This indicates KKU is strong in specific topics within field of Medicine, despite the aforementioned low overall impact in Medicine as a whole.
9. KKU is ranked third in the world in research related to '*Geopolymers and Compressive Strength*'. The top institution in this area is Universiti Malaysia Perlis (UNIMAP). Analysis shows that KKU and UNIMAP do not yet collaborate in this field.
10. KKU is a world leader in research related to '*Liver Fluke*' publishing more papers in these areas than other institutions in the world.
11. **We recommend KKU continue to use SciVal to:**
 - assess research outputs – tracking progress towards goals
 - identify strengths and weaknesses & analyze causes of weaknesses
 - boost citation impact in weak areas, to thereby positive effect university ranking
 - identify world experts to recruit and collaborate with (to boost funding and impact)
 - identify hot topics which will be highly cited
 - analyze performance of any other university in the world
12. Trends Module is a new optional addition in SciVal which includes Usage Data (downloads from Science Direct and Views in Scopus) to compliment Citation Data. We included analysis of Cholangiocarcinoma done using Trends Module at the end of this report.

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- ❖ Research Area: *Liver Fluke*
- ❖ Trends Module (new in SciVal)
- ❖ About SciVal
- ❖ About the Author

Introduction

Make smart Decisions by “triangulating” information



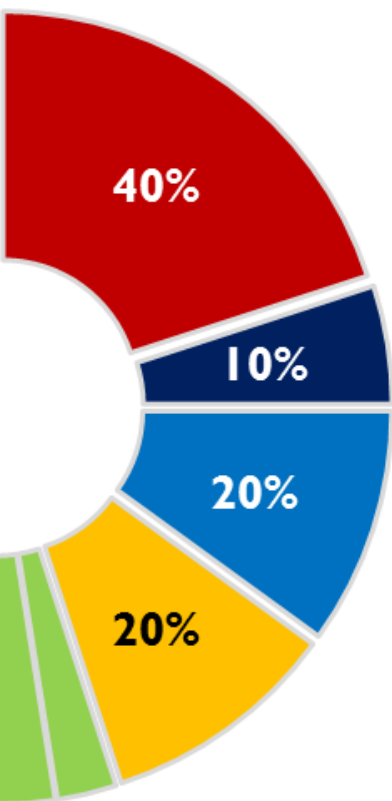
World university rankings – QS

QS

QS World University Rankings – <http://www.topuniversities.com/university-rankings/world-university-rankings>

Published since 2004 by Quacquarelli Symonds

Formerly (until 2009) produced with Times Higher Education as *THE-QS World University Rankings*



Academic reputation (40%)

From QS Global Academic Survey with almost 63,700 responses for 2014/15

Employer reputation (10%)

From QS Global Employer Survey with 28,800 responses for 2014/15

Citations per faculty (20%)

Citation counts from last five years considered

Citation data source: Scopus

Author self-citations excluded

Normalised by staff FTE figures

Faculty/student ratio (20%)

FTE values used for faculty and students

International students (5%)

Proportion of students that are international

International faculty (5%)

Proportion of faculty that are international

Citations are
important for
University
Rankings!

Scopus

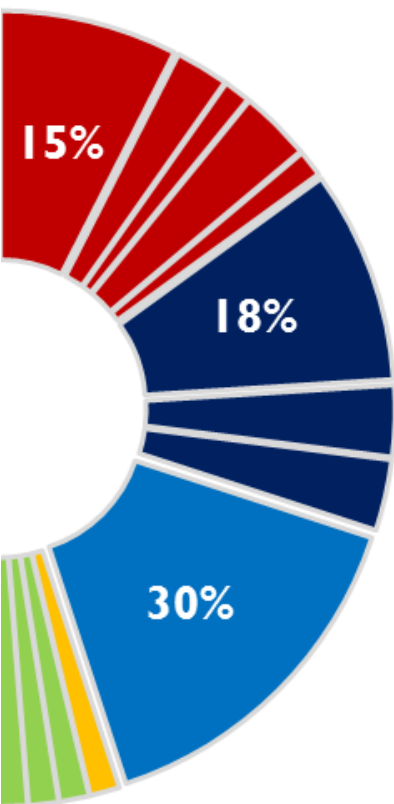
World university rankings – THE

THE

THE World University Rankings – <http://www.timeshighereducation.co.uk/world-university-rankings/>

Published since 2010 by the Times Higher Education

Broke away from the QS-partnered rankings prior to 2010 edition



Teaching: the learning environment (30%)

Academic reputation survey: reputation for teaching (15%)

Staff to student ratio (4.5%)

Ratio of doctoral to bachelor's degrees awarded (2.25%)

(Field-weighted) number of doctorates awarded per staff FTE (6%)

Institutional income per staff FTE (2.25)

Research: volume, income and reputation (30%)

Academic reputation survey: reputation for research excellence (18%)

(Field-weighted) research income per staff FTE (6%)

(Field-weighted) research output per staff FTE (6%)

Citations: research influence (30%)

(Field-weighted) citations in 2006-11 to papers published 2006-10

Citations are important for University Rankings!

Scopus

Industry income: innovation (2.5%)

Income from industry per staff FTE

International outlook: staff, students and research (7.5%)

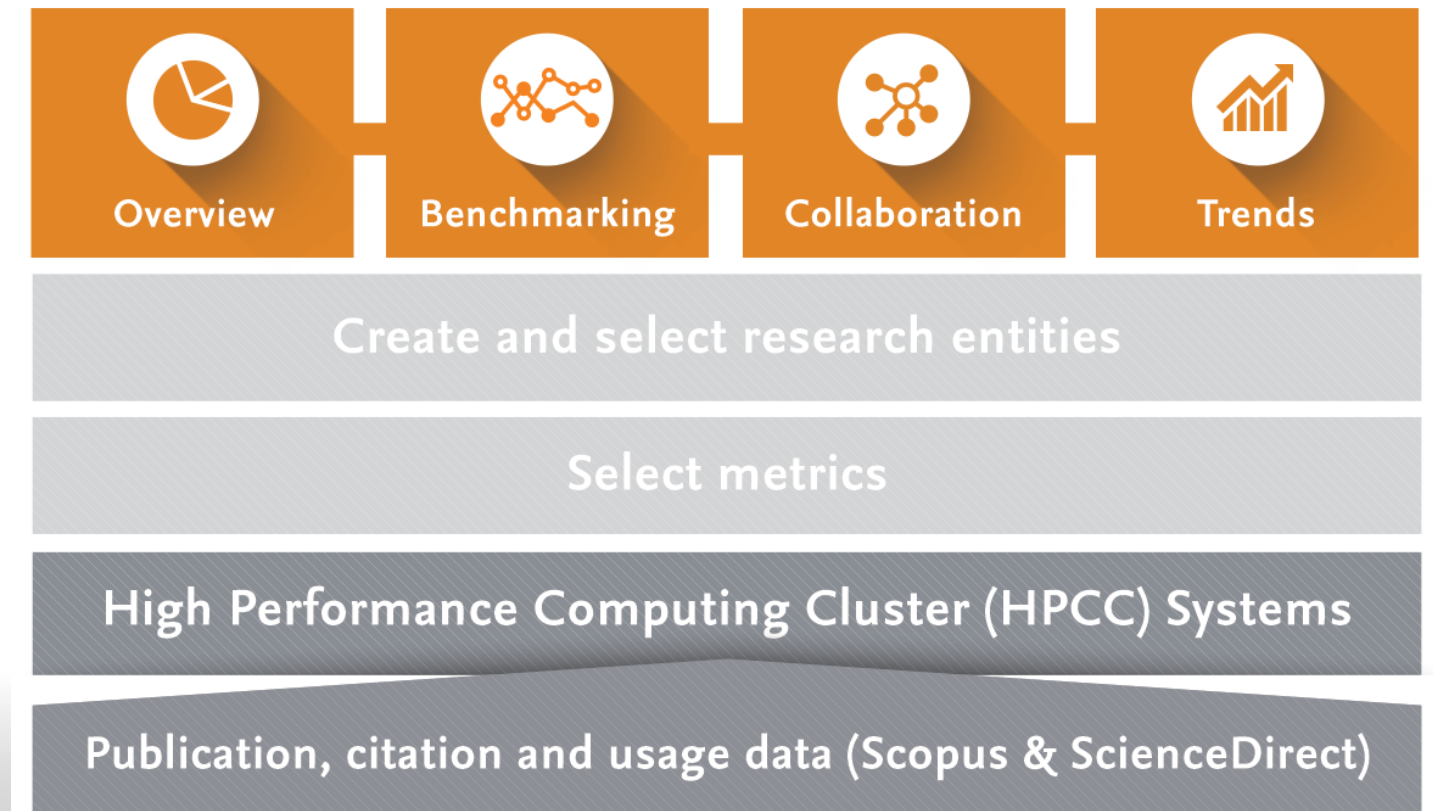
Ratio of international to domestic students (2.5%)

Ratio of international to domestic staff (2.5%)

(Field-weighted) proportion of research papers with international co-authors (2.5%)

SciVal – Performance Metrics based on Scopus data

SciVal offers quick, easy access to the research performance of 220 nations and 4,600 research institutions worldwide, and groups of institutions



KKU High Level Analysis

Khon Kaen University

Year range: 2010 to 2015

Overview Module

Publications

4,170 ▲

Citations

14,068

Authors

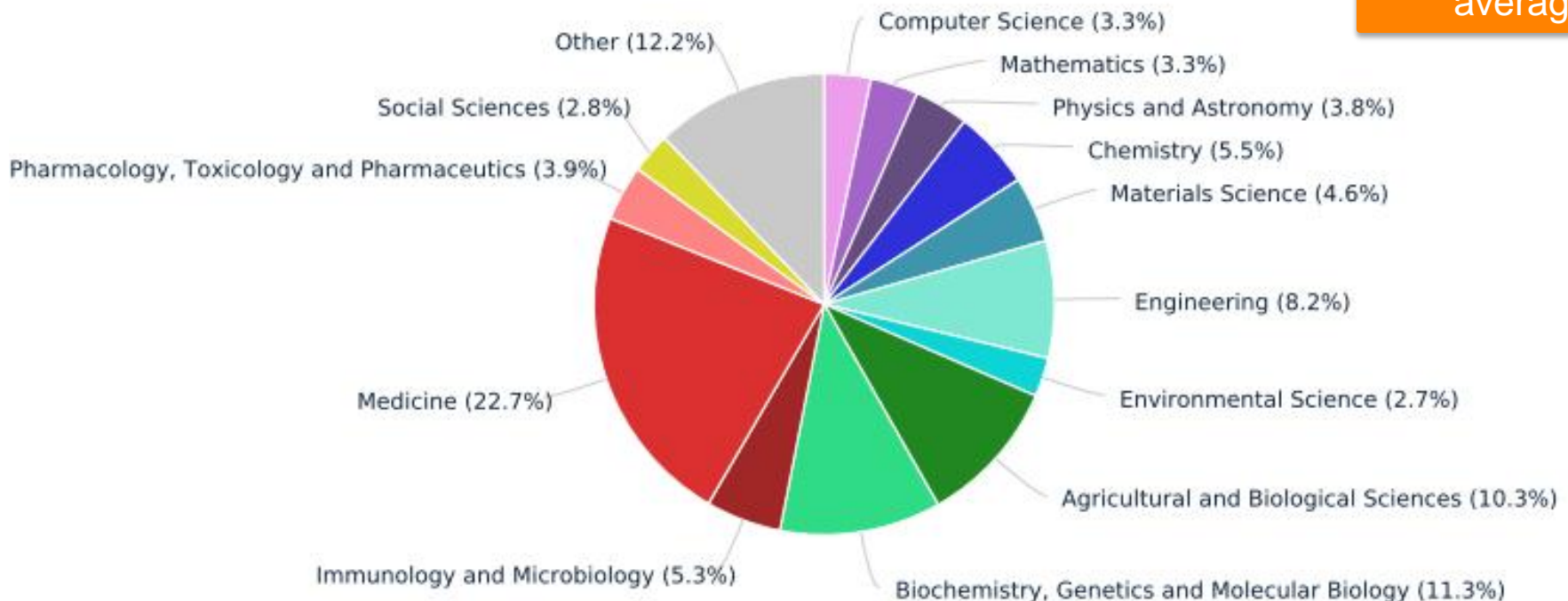
3,266 ▲

Field-Weighted Citation Impact

0.95

The overall citation impact of KKU is 5% below world average

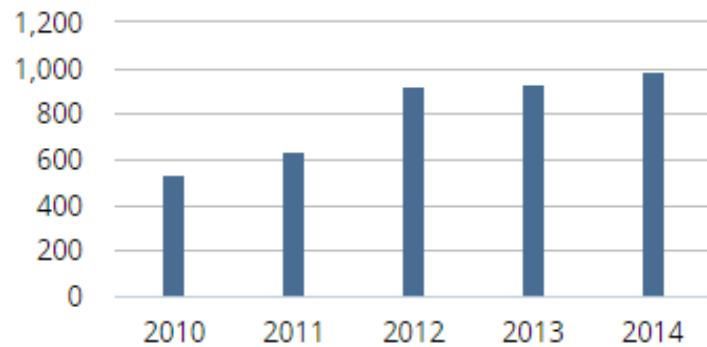
Publications by Journal Category



KKU shows moderate Growth and fluctuating Impact

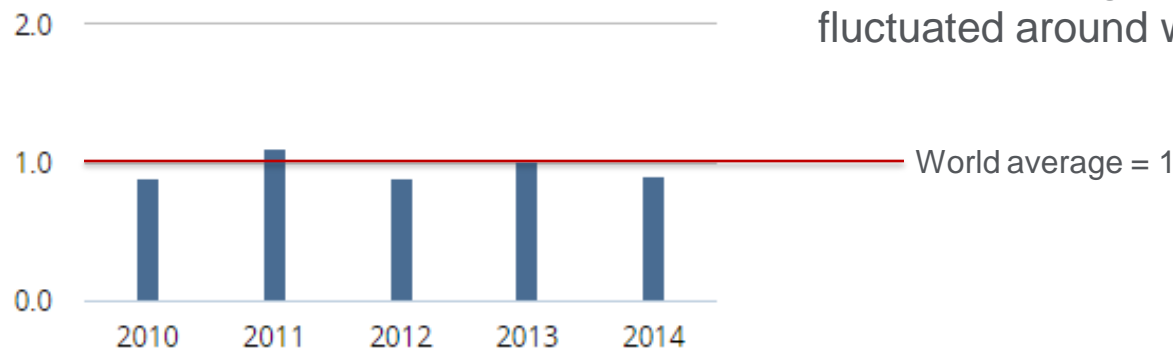
[Overview Module](#)

Scholarly Output



KKU publication output has growth from 534 publications in 2010 to 984 in 2014.

Field-Weighted Citation Impact



KKU Field-Weighted Citation Impact (FWCI) has fluctuated around world average level.

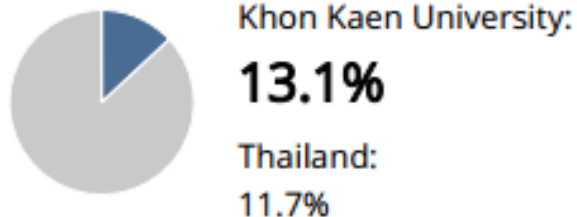
Dashboard

[Overview Module](#)

Performance indicators

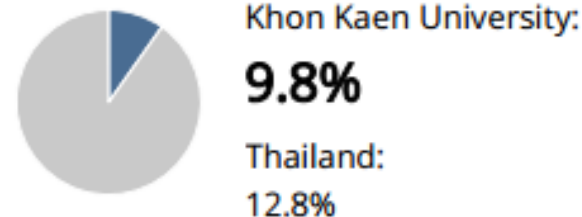
Outputs in Top Percentiles

Publications in top 10% most cited worldwide



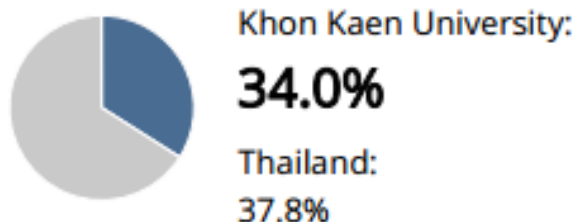
Publications in Top Journal Percentiles

Publications in top 10% journals by SNIP



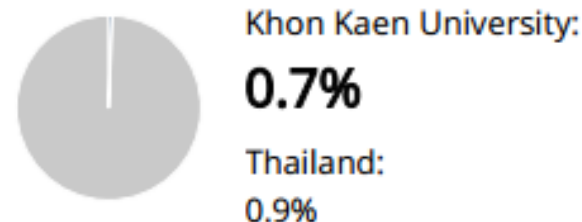
International Collaboration

Publications co-authored with Institutions in other countries



Academic-Corporate Collaboration

Publications with both academic and corporate affiliations















Key Findings

- 13.1% of KKU papers are cited often enough to belong to world top 10% most cited papers
- KKU publishes less papers in Top 10% highest impact journals than Thailand and World
- KKU shows lower levels of international collaboration than Thailand.

[Overview Module](#)

Top 10 Institutions Thailand

Institution		Publications 	Field-Weight 
1.	Mahidol University	9,312 	1.06
2.	Chulalongkorn University	9,190 	1.00
3.	Chiang Mai University	5,083 	1.07
4.	Kasetsart University	4,430 	0.75
5.	Khon Kaen University	4,131 	0.95
6.	Prince of Songkla University	3,860 	1.03
7.	King Mongkut's University of Technology Thonburi	3,167 	1.07
8.	National Science and Technology Development Agency Thailand	3,141 	1.02
9.	King Mongkut's Institute of Technology Ladkrabang	2,992 	0.82
10.	Thammasat University	2,703 	0.83

Key Findings

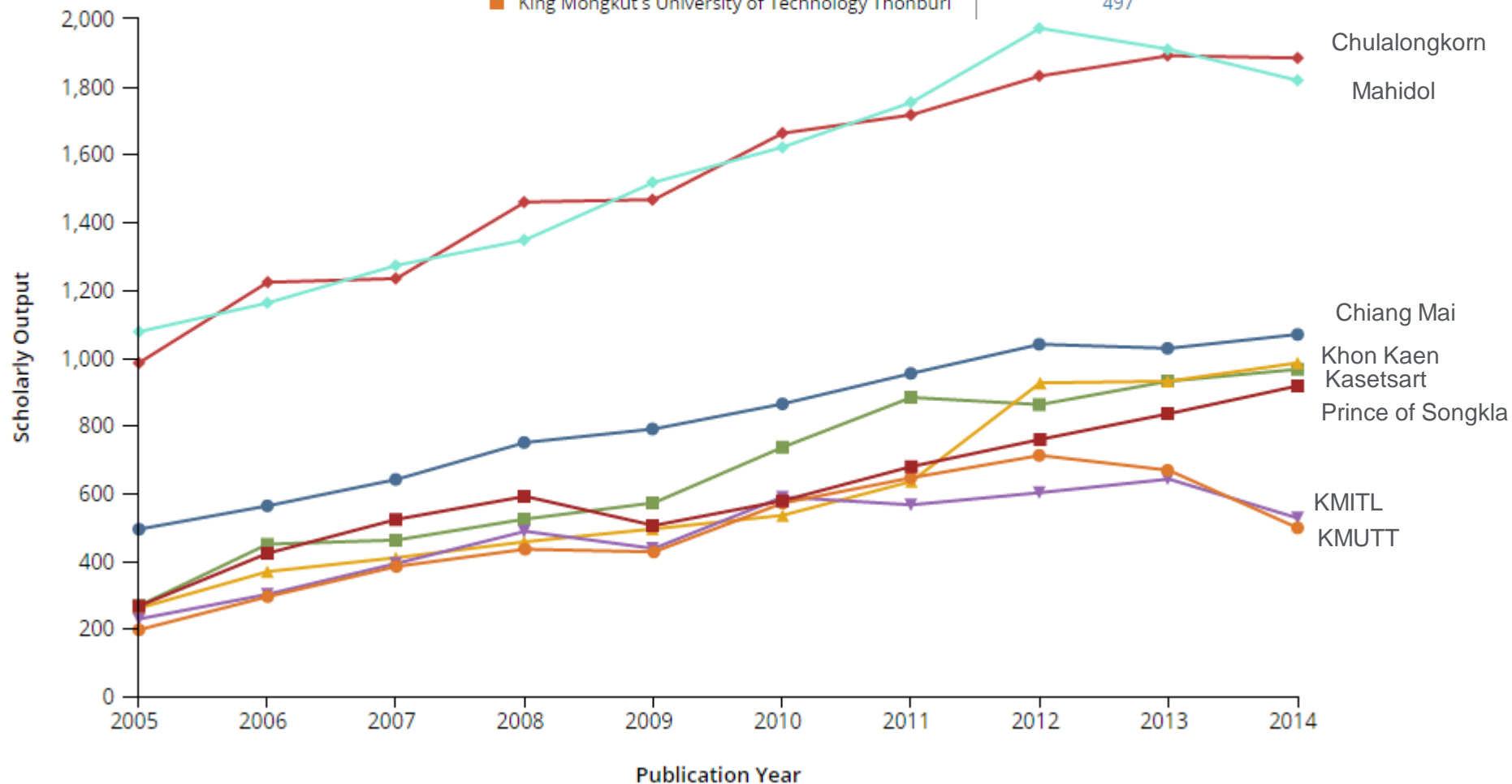
- KUU ranks 5th in Thailand based on publication output (2010-2015)
- KUU shows lower FWCI that is 5% lower than world average.

Publication output

Scholarly Output

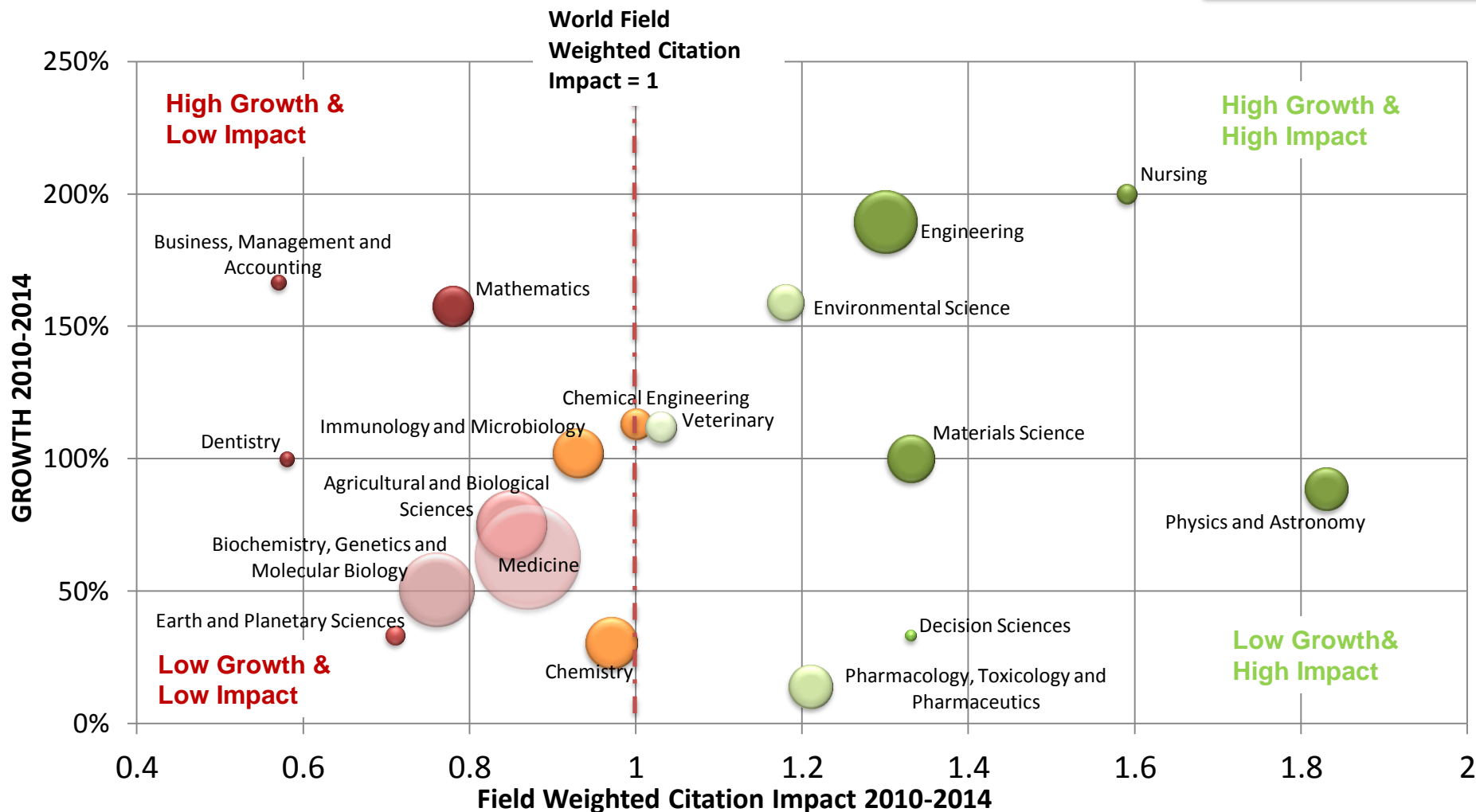
Scholarly Output	
Entity	2014 ▼
Chulalongkorn University	1,884
Mahidol University	1,818
Chiang Mai University	1,068
Khon Kaen University	984
Kasetsart University	965
Prince of Songkla University	916
King Mongkut's Institute of Technology Ladkrabang	526
King Mongkut's University of Technology Thonburi	497

Benchmarking
Module



Output, Growth & Impact - KKU

Data from
Overview Module

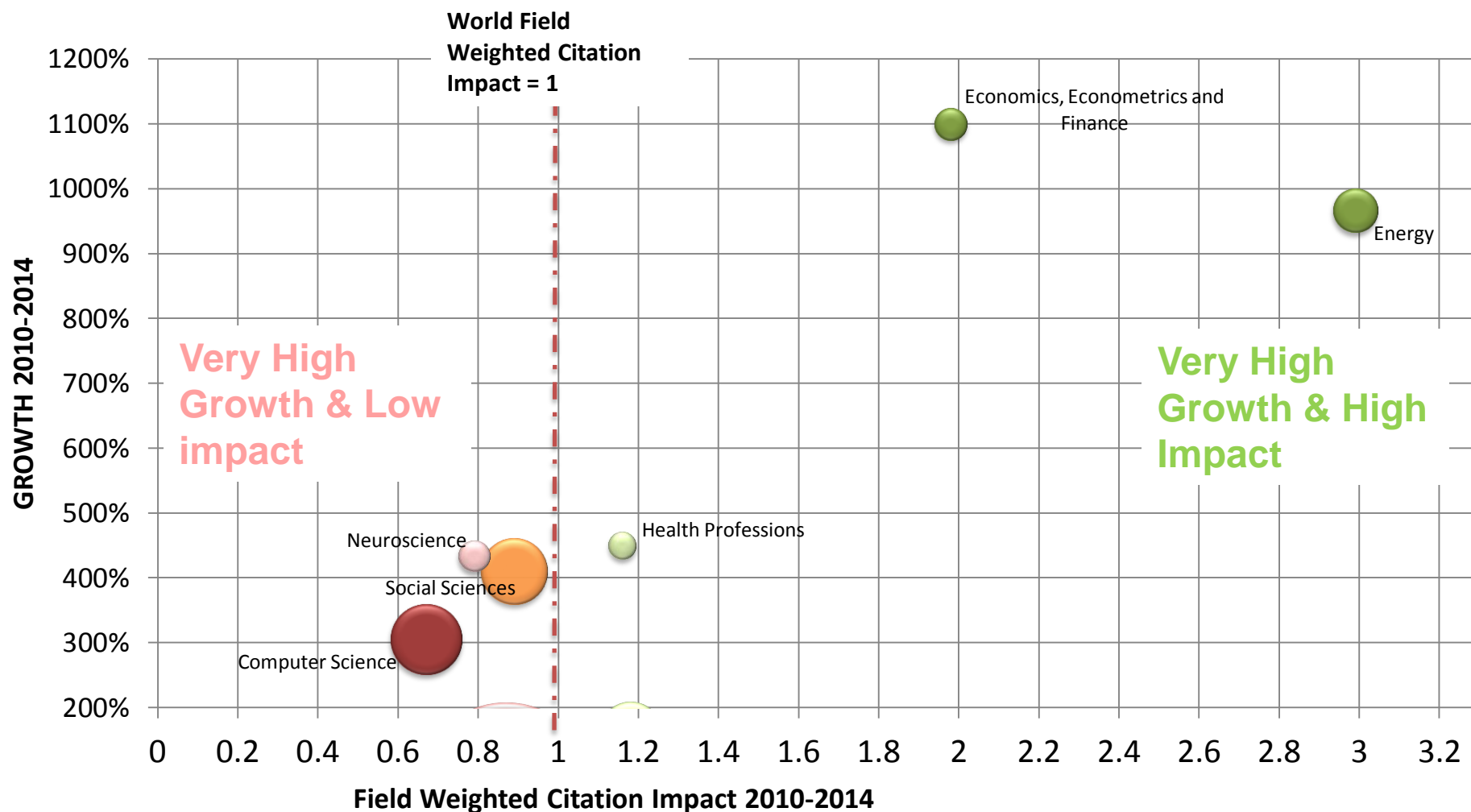


Key Findings

- KKU shows significantly above average citation impact in a number of subjects including Engineering, Materials Science and Physics and Astronomy. Together subjects contribute positively to KKU's overall performance
- KKU shows high activity but below average impact in subjects including Medicine, Agricultural, Biological Sciences and Biochemistry and Molecular Biology. Raising Citation Impact in these subjects is needed to improve KKU overall performance.

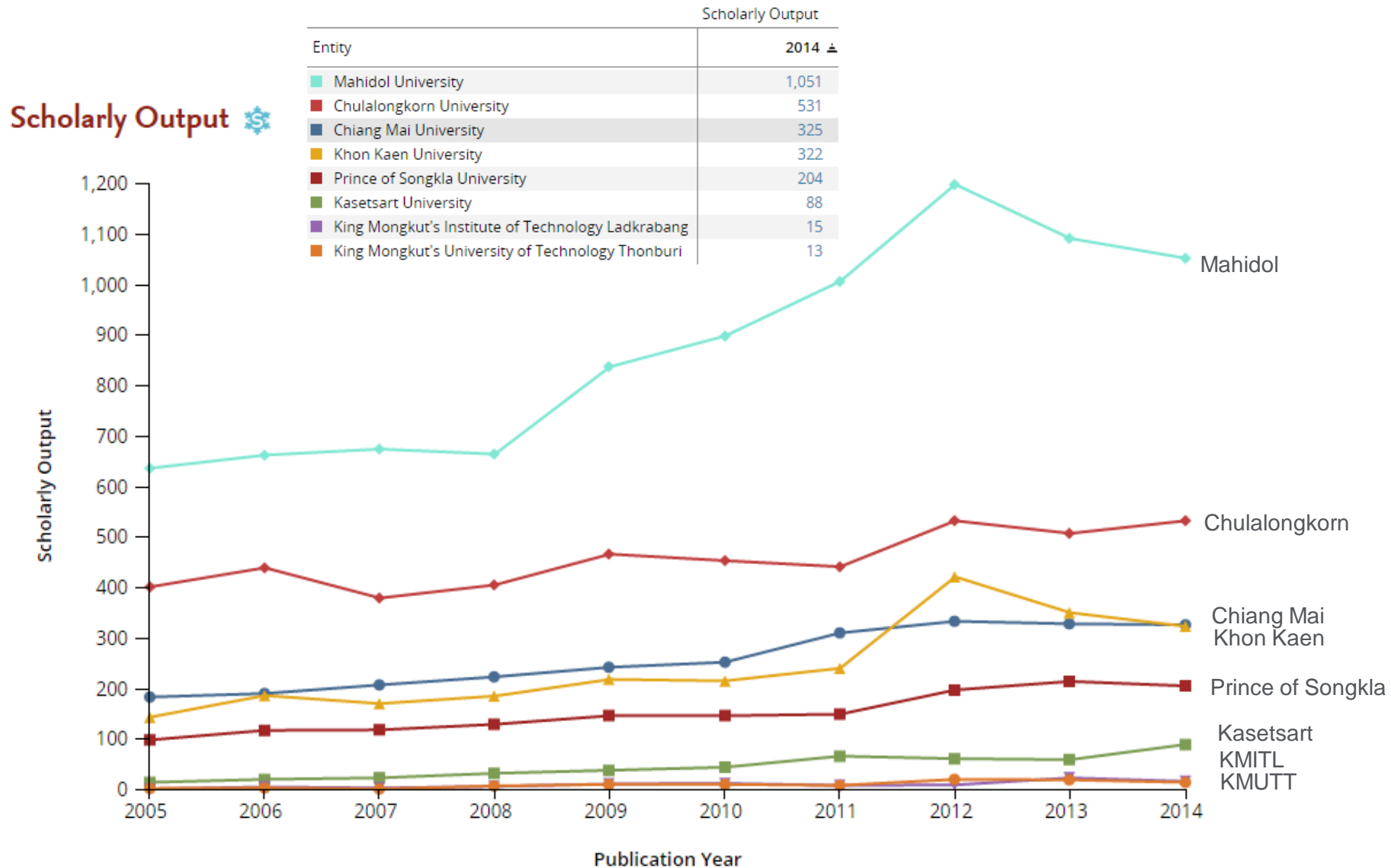
Data from
Overview Module

Very High Growth Areas - KKU



Key Findings

- Subject areas showing high growth rate of publication volumes and very high Citation Impact (two to three times world average level) are Economics, Econometrics and Finance, and Energy.
- We also observe high growth in Computer Science, Social Sciences and Neuroscience, and below average Citation Impact.



Engineering – KCU shows High Growth

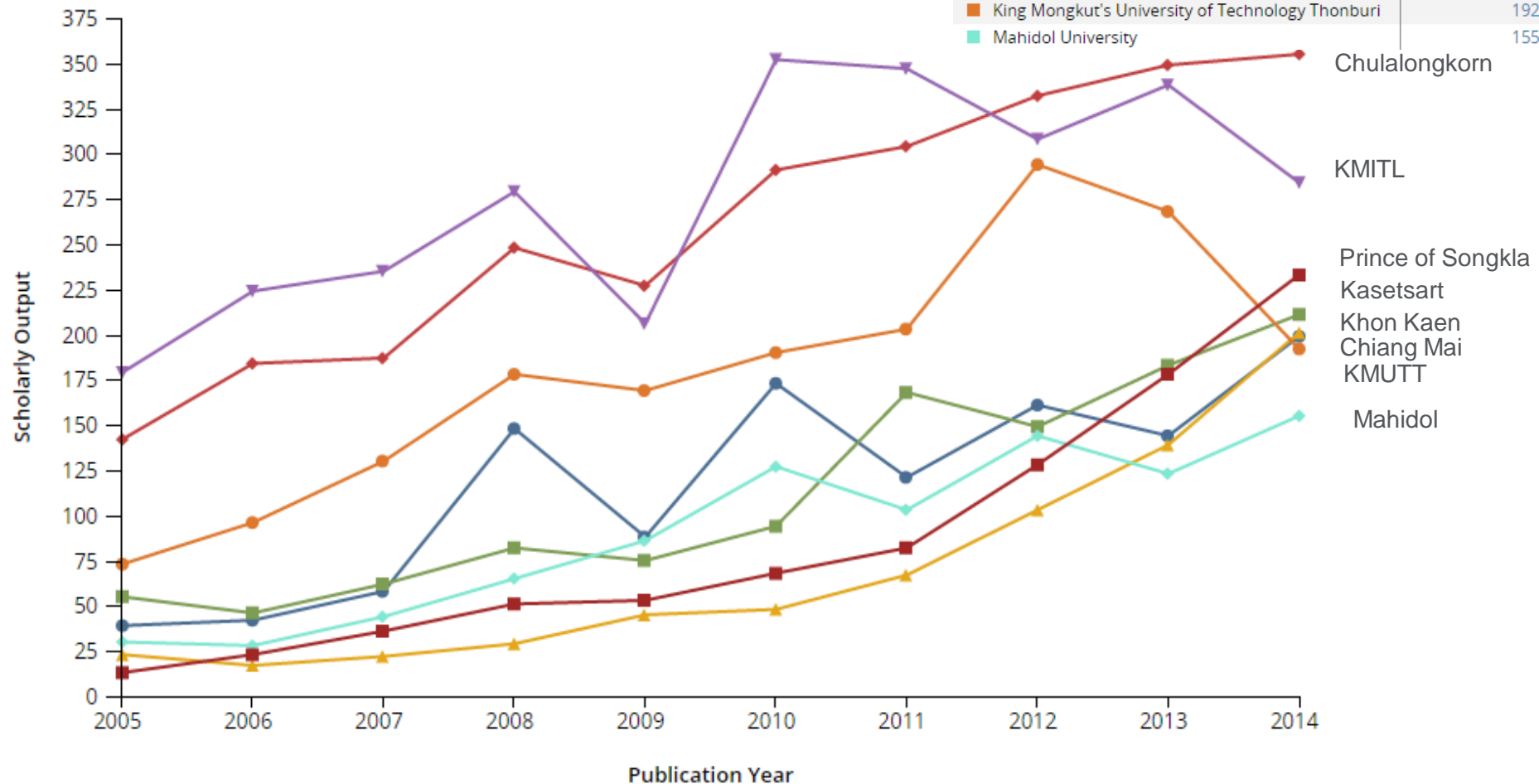
Benchmarking
Module

Scholarly Output

Entity	2014
Chulalongkorn University	355
King Mongkut's Institute of Technology Ladkrabang	284
Prince of Songkla University	233
Kasetsart University	211
Khon Kaen University	201
Chiang Mai University	199
King Mongkut's University of Technology Thonburi	192
Mahidol University	155

Scholarly Output

Publication Year



Multi-Disciplinary Research Competencies

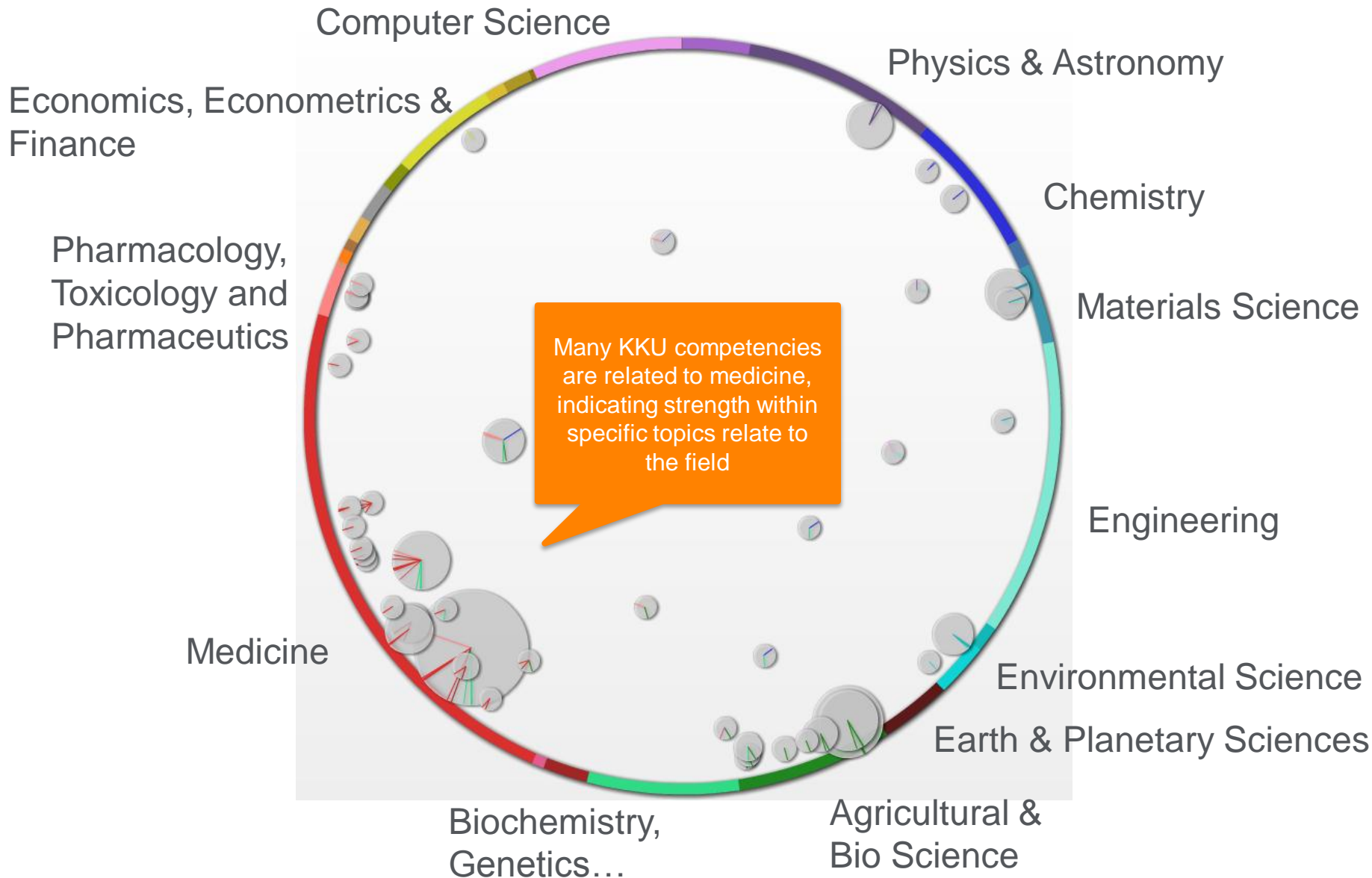
Competency Map in SciVal

The SciVal competency map is built on Scopus data and represents a novel approach to assessing the global research strengths of a country or institution. The competency map offers a complementary view to traditional article- and citation-based indicators. Rather than analysing article outputs within a pre-defined subject classification, the competency analyses the global article output in the current year (in this case, 2013) and uses co-citation analysis to create clusters of articles representing areas of research.

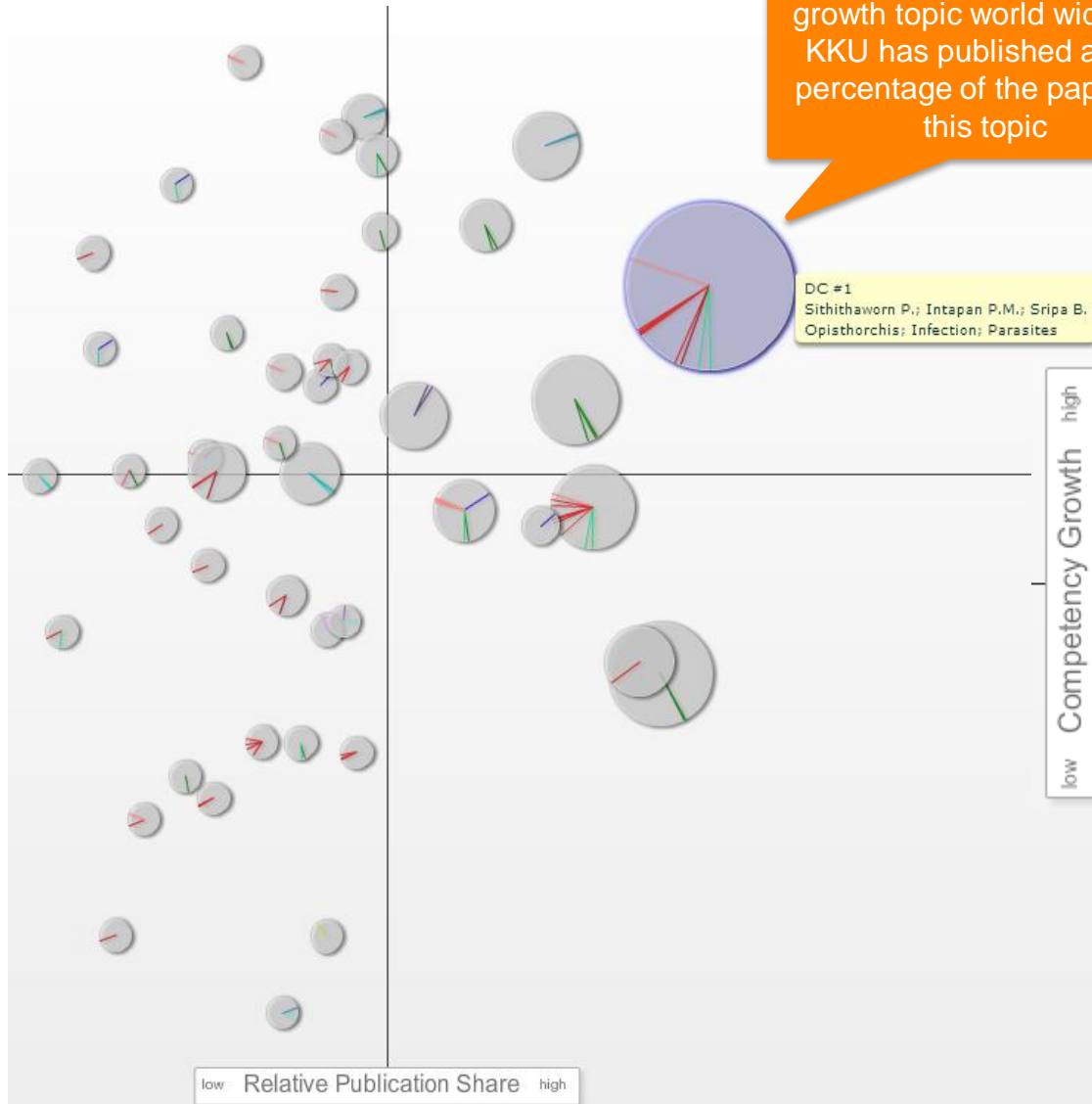
Co-citation analysis is used to create clusters of articles representing areas of research, which are then used to build competency map at the country or institution level. Co-citation analysis was first proposed in 1973 and has been developed extensively since then. Co-citation is defined as the frequency at which two articles are cited together by the authors of other articles; in the simplest case, two articles that are cited by a single other document are said to be co-cited.

The greater the number of co-citations a pair of articles has, the higher their co-citation strength, and the more likely they represent related research topics. In the SciVal competency map, co-citation analysis is applied to the articles published in a single year (in this case, 2013) before all articles published in the most recent 5 years (in this case, 2009-13) are assigned to the resulting clusters on the basis of their cited references. A single article may be assigned to more than one cluster.

Competencies of KKU (2009-2013)

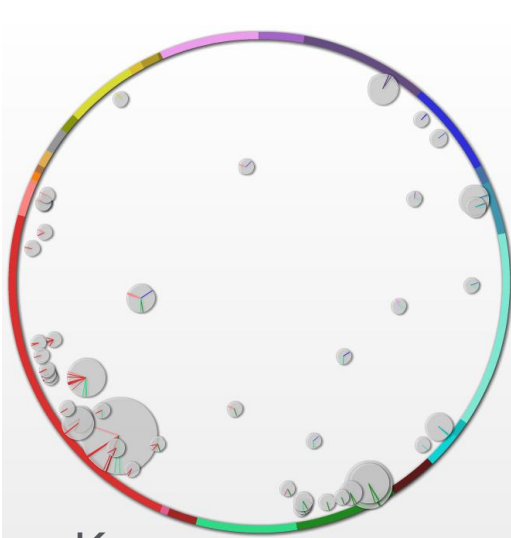


Matrix View

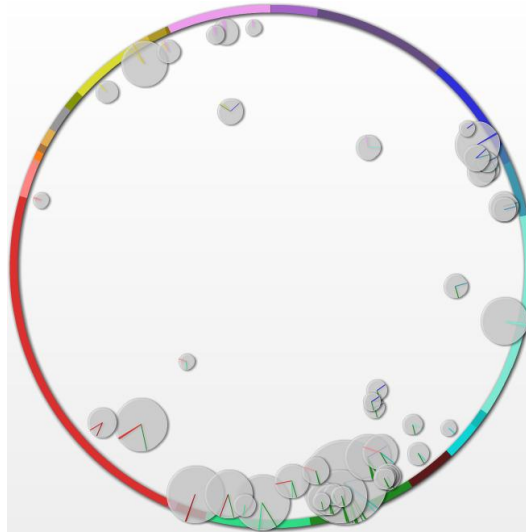


- The x-axis represents the percentage share of world articles that KU has in the competency
- The y-axis represents the world growth rate of the competency (high growth means increase in interest in the topic)
- KU shows high publication share in a number of high growth competencies, including DC#1 related to Opisthorchis, Infection and Parasites.

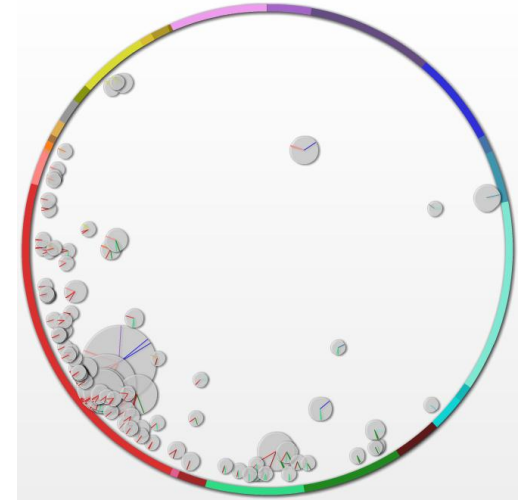
Comparison of Competency Maps



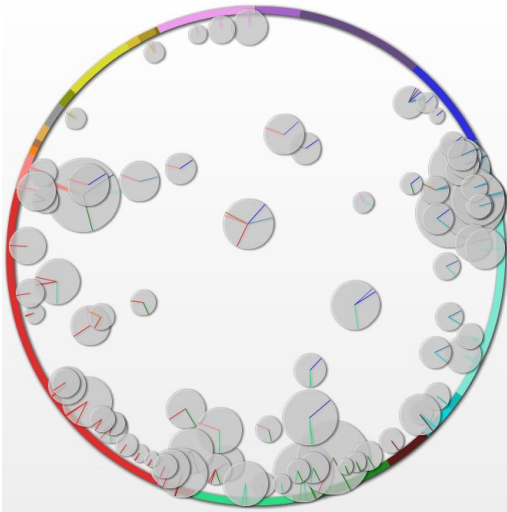
Khon Kaen



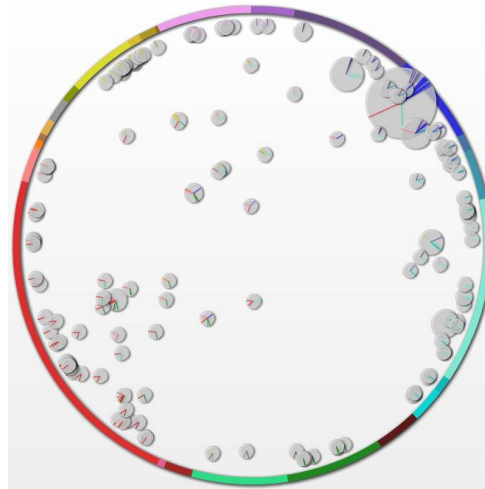
Kasetsart



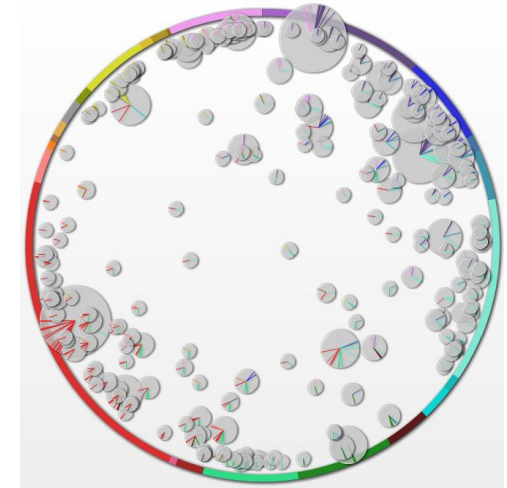
Mahidol



Chulalongkorn



Universiti Malaya



NUS

[Overview Module](#)

	Publications	Annual growth	Citations
Publications worldwide	3,359	+ 11.1% ▲	26,959
Publications in Thailand	357	+ 23.5% ▲	2,048
Publications at Khon Kaen University	260	+ 30.5% ▲	1,561

Show the contribution to this field from:

- ☒ Khon Kaen University
☐ all contributing Institutions worldwide

Top keywords for Khon Kaen University [show all »](#)

Opisthorchis	<div></div>
Opisthorchiasis	<div></div>
Cholangiocarcinoma	<div></div>
Fasciola hepatica	<div></div>
Thailand	<div></div>
Infection	<div></div>
Animals	<div></div>
Parasites	<div></div>
Bile Duct Neoplasms	<div></div>
Laos	<div></div>

Top authors from Khon Kaen University [details »](#)

Sithithaworn P.	<div></div>
Intapan P.M.	<div></div>
Sripa B.	<div></div>
Maleewong W.	<div></div>
Pinlaor S.	<div></div>
Yongvanit P.	<div></div>
Boonmars T.	<div></div>
Laha T.	<div></div>
Tesana S.	<div></div>
Pairojkul C.	<div></div>

Top Journal Categories for Khon Kaen University [details »](#)

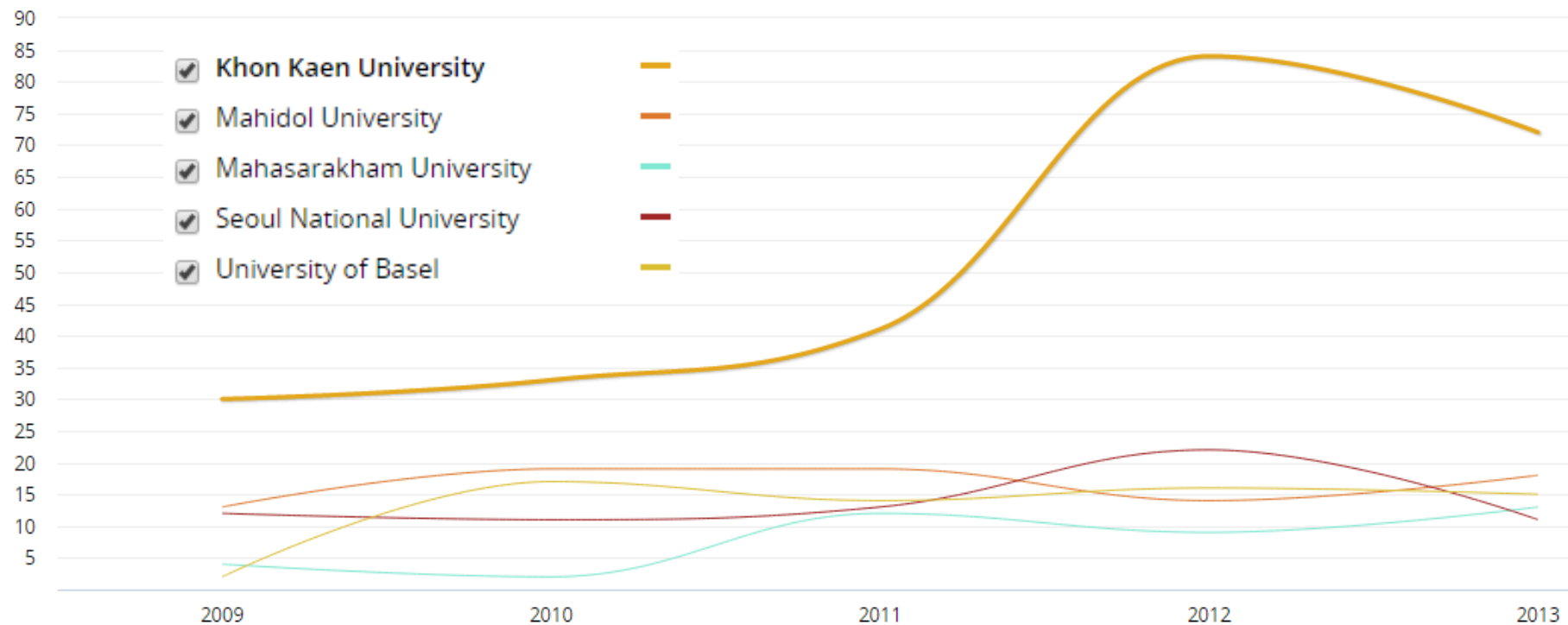
Infectious Diseases	<div></div>
Parasitology	<div></div>
Cancer Research	<div></div>
General Medicine	<div></div>
Pharmacology	<div></div>

Top journals for Khon Kaen University

Parasitology International	<div></div>
Parasitology Research	<div></div>
Korean Journal of Parasitology	<div></div>
Asian Pacific Journal of Cancer Preve...	<div></div>
American Journal of Tropical Medicine...	<div></div>

Closer look at DC#1

Publications ▼ in this field, by year (2009-2013)



KKU vs. Mahidol in DC#1

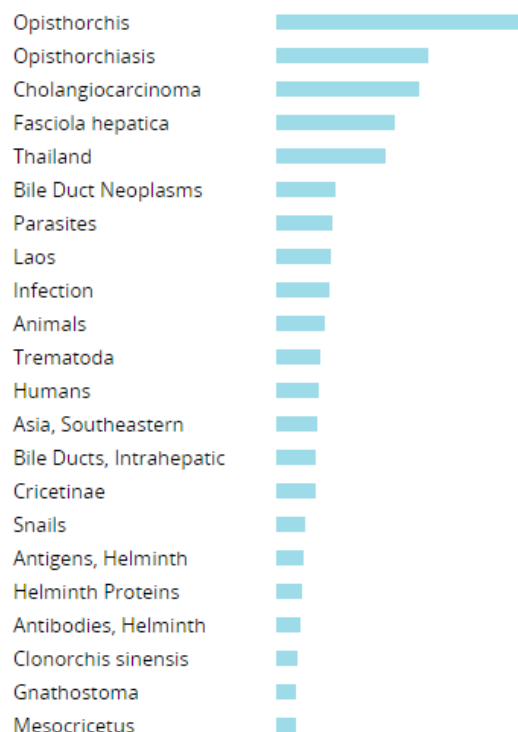
Khon Kaen University ▼

Publications in this field (2009-2013)	260
Citations of these publications	1,561
Fractionalized publication count	193.4
Annual growth	+30.5% ▲
Overall rank in this field	#1
Rank in this field within Thailand	#1
Publications co-authored with Mahidol University	23

Mahidol University ▼

Publications in this field (2009-2013)	83
Citations of these publications	393
Fractionalized publication count	49.0
Annual growth	-2.7% ▼
Overall rank in this field	#2
Rank in this field within Thailand	#2

Compare these Institutions based on: all keywords ▼



KKU Department of Epidemiology

Example – this type of analysis can be done for any other department

Group authors in SciVal to create any Department

Researchers and Groups



All



All entities you can use in SciVal ▼



Add to entity selection panel



Edit tags



Delete



Name ▲



KKU - Department of Epidemiology



Charerntanyarak, Lertchai



Kasinpila, Chananya



Promthet, Supanee Sriamporn



Suggaravetsiri, Pornnapa



Tungsrithong, Naowarat

KKU – Department of Epidemiology

KKU - Department of Epidemiology

Year range: 2010 to 2015

SciVal

Publications

53 ▲

Citations

154

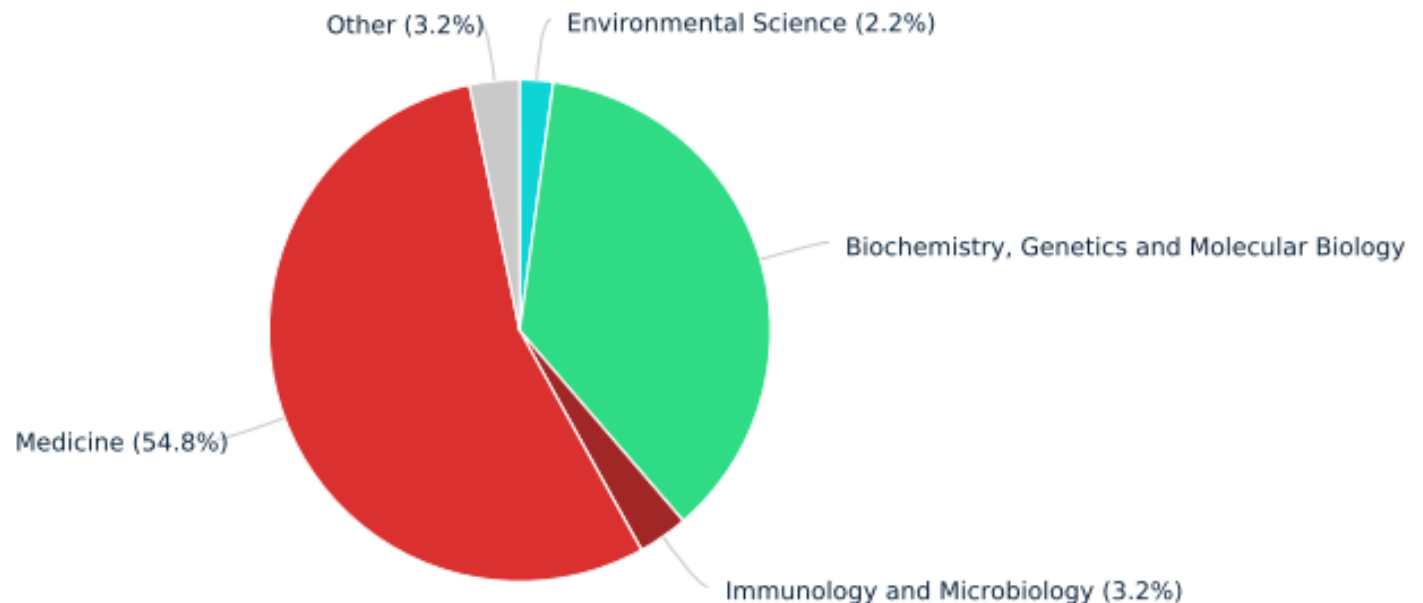
Researchers

5 ▼

Field-Weighted Citation Impact

0.78

Publications by Journal Category



KKU – Department of Epidemiology

Performance indicators

Outputs in Top Percentiles

Publications in top 10% most cited worldwide



KKU - Department of Epidemiology:
13.2%

Publications in Top Journal Percentiles

Publications in top 10% journals by SNIP



KKU - Department of Epidemiology:
0.0%

This department does not publish in top 10% journals!!

International Collaboration

Publications co-authored with researchers in other countries



KKU - Department of Epidemiology:
30.2%

Academic-Corporate Collaboration

Publications with both academic and corporate affiliations



KKU - Department of Epidemiology:
0.0%





KKU – Department of Epidemiology

Collaboration

Shortcuts ▼

Publications of KKU - Department of Epidemiology, by amount of international, national and institutional collaboration



Metric		Publications	Citations	Field-Weighted Citation Impact
 International collaboration	30.2%	16	75	0.96
 Only national collaboration	7.6%	4	2	0.36
 Only institutional collaboration	62.3%	33	77	0.74
 Single authorship (no collaboration)	0.0%	0	0	-

International co-authorship resulted in the most highly cited publications.


KKU – Department of Epidemiology

Top collaborating Institutions

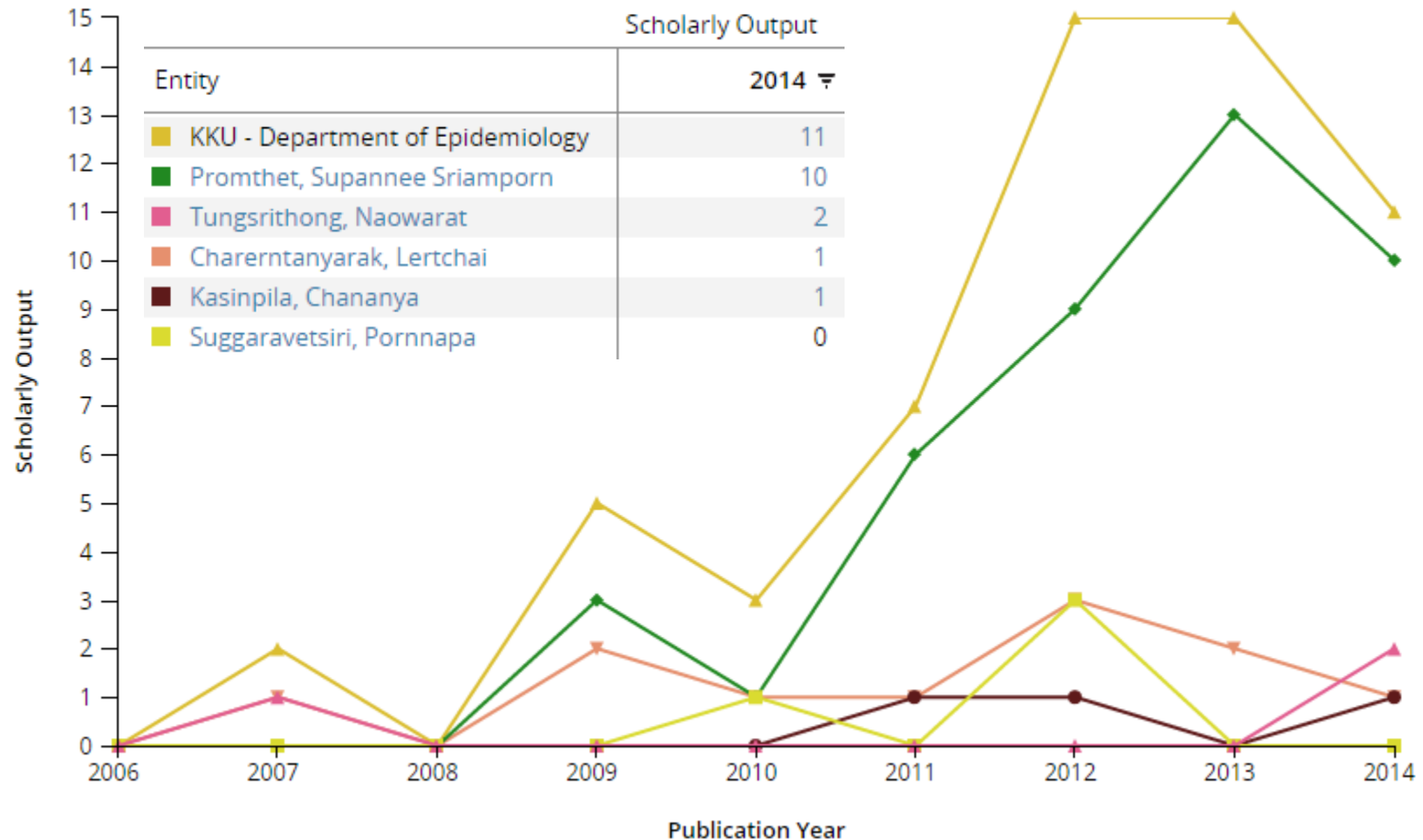
by number of publications co-authored with KKU - Department of Epidemiology

Institution	Co-authored publications	Citations received for co-authored publications
1.  Khon Kaen University	51 ▲	151
2.  University of Oxford	7 ▲	37
3.  National Institute of Health and Nutrition Tokyo	2 ▼	20
4.  Queen Mary, University of London	2 ▲	4
5.  Burapha University	2 ▲	0
6.  University of Queensland	1 ▲	2
7.  Kyushu University	1 ▲	4
8.  Auckland University of Technology	1 ▲	0
9.  Mahidol University	1 ▲	1
10.  Thammasat University	1 ▼	1

KKU – Department of Epidemiology

Scholarly Output 

Publication Year



KKU – Department of Epidemiology

2005-2014

Entity	Scholarly Output ▾	<i>h</i> -index	Field-Weighted Citation Impact
■ KKU - Department of Epidemiology	58	8	0.74
■ Promthet, Supanee Sriamporn	42	7	0.92
■ Charerntanyarak, Lertchai	11	2	0.32
■ Suggaravetsiri, Pornnapa	4	1	0.20
■ Kasinpila, Chananya	3	2	1.14
■ Tungsritthong, Naowarat	3	2	2.62

Supanee Sriamporn Promthet is the most active author within this group of 5 authors representing the Department of Epidemiology at KKU

Geopolymers & Compressive Strength

Defined as: (geopolymers AND “compressive strength”)

Geopolymers & Compressive Strength

geopolymers and "compressive strength"

Source: Scopus data up to 16 Mar 2015

2010 to 2015 ▼

Engineering ▼

Summary

Publications

Citations

Authors

Institutions

Research performance

Khon Kaen University has 29 publications in this Research Area

Publications

29 ▲

Citations

347

Authors

17 ▲

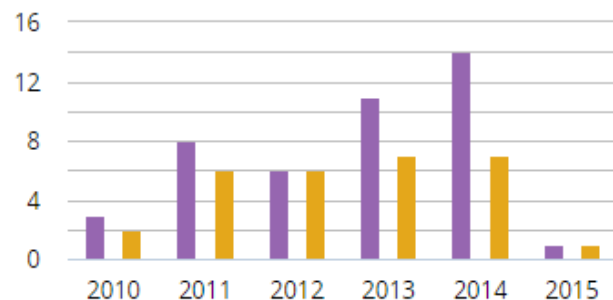
Field-Weighted Citation Impact

3.11

[View list of publications](#)

KKU papers in this field have a FWCI of 3.11 indicating they are cited 3.1 times world average citation level

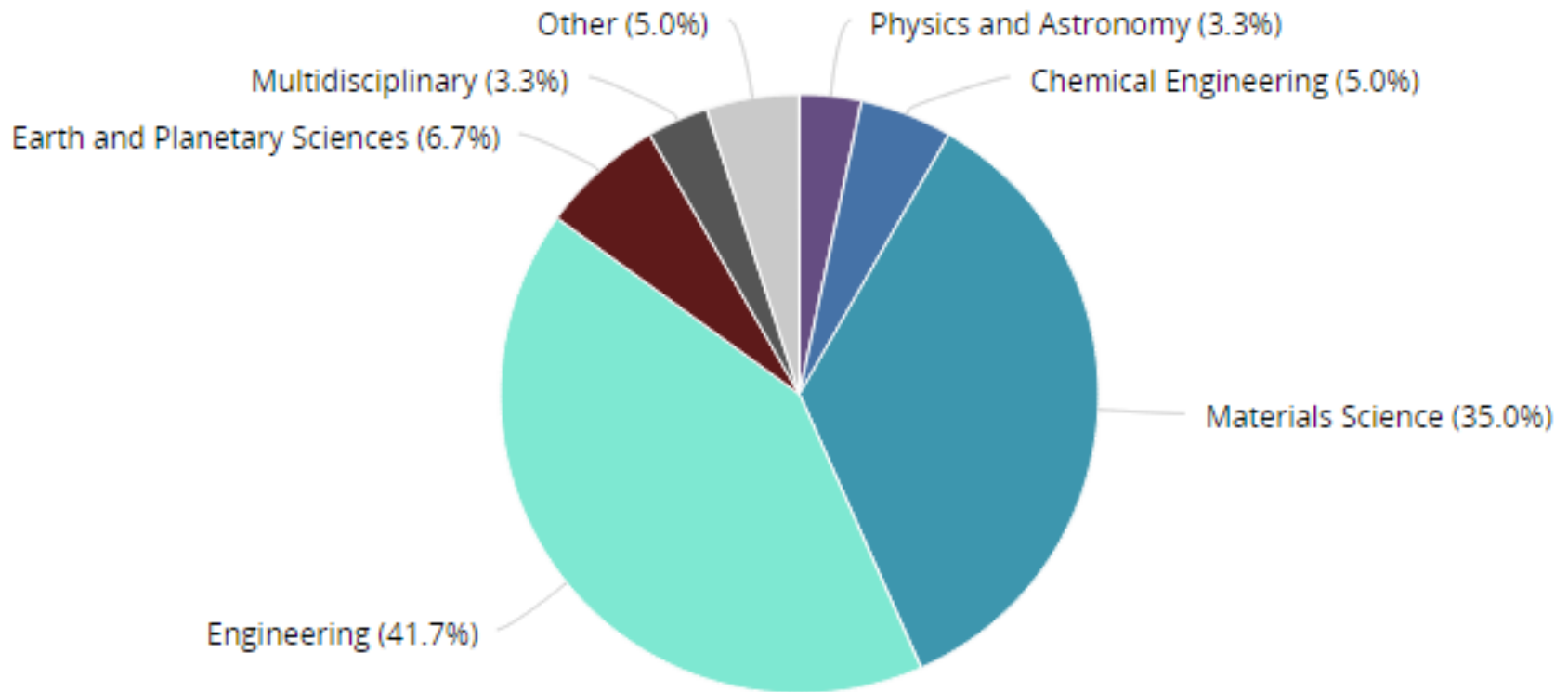
Scholarly Output



Publications

<input type="checkbox"/>	Worldwide	712
<input type="checkbox"/>	Asia Pacific	492
<input checked="" type="checkbox"/>	Thailand	43
<input checked="" type="checkbox"/>	Khon Kaen University	29

Geopolymers & Compressive Strength – Subject Breakdown



Geopolymers & Compressive Strength – Top Journals

[Overview Module](#)

Publications in geopolymers and "compressive strength", by journal

[Export ▼](#)

Show breakdown of: Publications at Khon Kaen University ▼ in this Research Area

Journal	Publications	Citations	SNIP ▼
Cement and Concrete Composites	5 ▲	74	3.230
Construction and Building Materials	4	63	3.010
International Journal of Minerals, Metallurgy and Materials	4 ▲	34	1.063
Materials and Design	3 ▲	18	3.273
Journal of Materials in Civil Engineering	2 ▲	27	1.743
Advanced Powder Technology	2 ▲	7	1.300
Arabian Journal for Science and Engineering	1 ▲	0	0.574
Fuel	1 ▲	72	2.568
Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processi	1 ▲	14	2.238
Materials Science and Engineering C	1 ▲	0	1.366

Some journals bring you more citations than others.











Geopolymers & Compressive Strength – Top Institutions

[Overview Module](#)

Most active Institutions in this Research Area

[Export ▼](#)[Shortcuts ▼](#)

Show top 10 in this Research Area, by number of publications

		Publications	Field-Weight ▼
1.	 Universiti Malaysia Perlis	59 ▲	3.73
2.	 Curtin University of Technology	35 ▲	2.95
3.	 Khon Kaen University	29 ▲	3.11
4.	 Swinburne University of Technology	23 ▲	2.03
5.	 Universiti Teknologi Petronas	21 ▲	0.49
6.	 Islamic Azad University	21 ▲	1.06
7.	 University of Yaounde I	11 ▲	1.94
8.	 Monash University	11	1.15
9.	 University of Melbourne	11 ▲	2.68
10.	 CSIR - Engineering	11 ▲	1.58

UNIMAP is top
institution in this
field and KKU
third

Geopolymers & Compressive Strength – Top Authors

[Overview Module](#)

Top 100 authors in this Research Area, by number of publications over the period 2010 to 2015.

Name	Publications	Most recent publication	Field-Weight	<i>h</i> -index
1. Abdullah, Mohd Mustafa Al Bakri	59	2015	3.73	9
2. Hussin, Kamarudin	56	2015	3.92	13
3. Ismail, Khairul Nizar	36	2015	4.38	8
4. Binhussain, Mohammed A.	33	2014	4.78	8
5. Chindaprasirt, Prinya	29	2015	3.11	25
6. Ghazali, Che Mohd Ruzaidi	27	2015	3.87	7
7. Sanjayan, Jay G.	21	2015	2.21	8
8. Nuruddin, Muhd Fadhil Adhil	18	2015	0.56	4
9. Rafiza, Abdul Razak	16	2014	5.68	7
10. Sata, Vanchai	14	2015	3.77	9

Geopolymers & Compressive Strength – TOP KKU Author

[Overview Module](#)**Chindapasirt, Prinya**Scopus author ID: 8302542200 | [View in Scopus](#)

Publications

144[View list of publications](#)

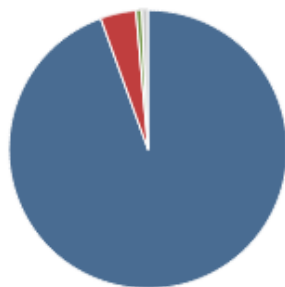
Citations

2,100

Citations per Publication

14.6*h*-index**25**

Publications by
Institution



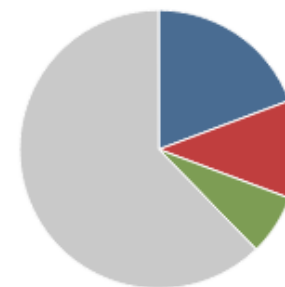
- Khon Kaen University (94.5%)
- Unknown institution (4.1%)
- Chiang Mai University (0.7%)
- Other (0.7%)

Publications by
Journal Category



- General Materials Science (12.6%)
- Mechanics of Materials (9.7%)
- Building and Construction (8.7%)
- Other (69.0%)

Publications by
Journal



- Construction and Building ... (19.3%)
- International Journal of ... (11.4%)
- Cement and Concrete Composites (7.0%)
- Other (62.3%)












Geopolymers & Compressive Strength – Current Collaboration

Institutions collaborating with Khon Kaen University

Worldwide ▼

All sectors ▼

11 collaborating Institutions 22 co-authored publications

Institution	Co-authored publications ▼	Field-Weight ▼
 Burapha University	7 ▲	1.29
 Chiang Mai University	4	0.75
 King Mongkut's University of Technology Thonburi	4 ▼	5.25
 Suranaree University of Technology	4 ▲	4.25
 Mie University	2	5.00
 CSIRO	1	1.00
 Australian Catholic University	1	0.00
 Tohoku University	1	1.00
 Naresuan University	1	10.00
 University of Minho	1	0.00
 King Mongkut's University of Technology North Bangkok	1 ▼	5.00

KKU's 4 co-publications
with KMUTT were cited
over 5 times world
average
















Geopolymers & Compressive Strength – Potential Collaboration

Institutions not yet collaborating with Khon Kaen University

Worldwide ▼

All sectors ▼

268 not yet collaborating Institutions

Institution	Publications ▼	Field-Weight ▼
 Universiti Malaysia Perlis	59 ▲	3.73
 Curtin University of Technology	35 ▲	2.95
 Swinburne University of Technology	23 ▲	2.03
 Universiti Teknologi Petronas	21 ▲	0.49
 Islamic Azad University	21 ▲	1.06
 University of Yaounde I	11 ▲	1.94
 Monash University	11	1.15
 University of Melbourne	11 ▲	2.68
 CSIR - Engineering	11 ▲	1.58
 National Taiwan University of Science and Technology	11 ▲	0.93
 University of Southern Queensland	9 ▲	0.79
 Tongji University	9 ▼	1.74
 University of Sheffield	9	2.41
 University of Jordan	9 ▲	0.77
 Guangxi University	8	0.84

KKU does not co-author with UNIMAP in this field. UNIMAP is the most active institute in this field

Geopolymers & Compressive Strength

Collaboration Module

Collaboration with Universiti Malaysia Perlis

Within: geopolymers and "compressive strength" | Year range: 2010 to 2015

Overview

Current co-authors

Potential co-authors

Khon Kaen University

Top 100 authors not yet collaborating with Universiti Malaysia Perlis, by number of publications

Author	Publications	Citations ▼
Chindaprasirt, Prinya	29	347
Sata, Vanchai	14	97
Phoo-Ngernkham, Tanakorn	4	17
Pangdaeng, Saengsuee	3	11
Boonserm, Kornkanok	2	10
Cao, T.	1	26
Tho-In, Tawatchai	1	14
Hanjitsuwan, Sakonwan	1	10
Hunpratub, Sitchai	1	10
Thongbai, Prasit	1	10
Wongsa, Ampol	1	9
Limkamoltip, Suttikait	1	8
Posi, Patcharapol	1	8
Tanutong, Chatchai	1	8
Teerachanwit, Chaiyapong	1	8

Universiti Malaysia Perlis

Top 100 authors not yet collaborating with Khon Kaen University, by number of publications

Author	Publications	Citations ▼
Abdullah, Mohd Mustafa Al Bakri	57	208
Hussin, Kamarudin	54	207
Ismail, Khairul Nizar	36	169
Ghazali, Che Mohd Ruzaidi	26	120
Rafiza, Abdul Razak	14	77
Yahya, Zarina	14	67
Heah, Cheng Yong	12	86
Liew, YunMing	12	86
Musa, Luqman	12	86
Abdulkareem, O. A.	10	23
Faheem, M. T. Muhammad	9	11
Izzat, Mohd Izzat	7	24
Jamaludin, Liyana	6	13
Wan Mastura, W. I Wan	3	3
Abdullah, Ali	3	1

These are the authors at UNIMAP who are active in Geopolymers and Compressive Strength but do not yet co-author those papers with KCU

Research Area: Liver Fluke

Defined as: ("liver fluke" OR "clonorchis sinensis")

Overview Module

Liver Fluke

Liver Fluke

Source: Scopus data up to 16 Mar 2015

2010 to 2015 ▼

Engineering ▼

Summary

Publications

Citations

Authors

Institutions

Research performance

Khon Kaen University has 139 publications in this Research Area

Publications

139 ▲

Citations

1,232

Authors

179 ▲

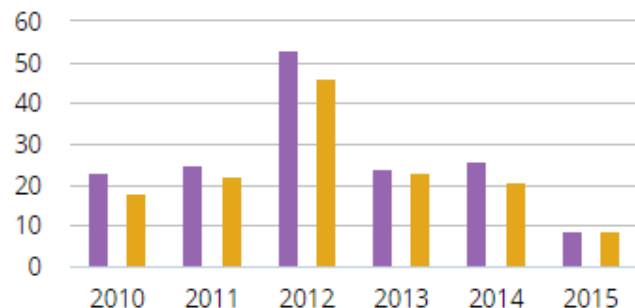
Field-Weighted Citation Impact

1.66

[View list of publications](#)

KKU papers in this field have a FWCI of 1.66 indicating they are cited 1.6 times world average citation level

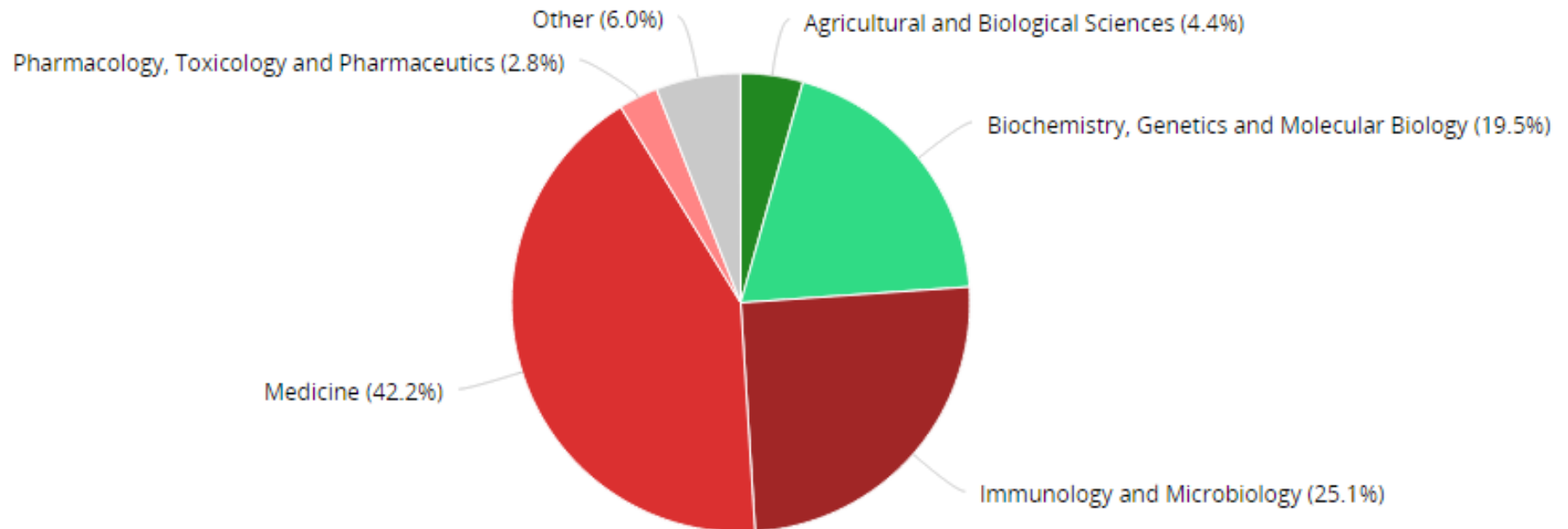
Scholarly Output



Publications

<input type="checkbox"/>	Worldwide	778
<input type="checkbox"/>	Asia Pacific	470
<input checked="" type="checkbox"/>	Thailand	160
<input checked="" type="checkbox"/>	Khon Kaen University	139

Liver Fluke – Subject Breakdown



[Overview Module](#)

Liver Fluke – Top Journals

Publications in Liver Fluke, by journal

[Export ▼](#)Show breakdown of: Publications at Khon Kaen University ▼ in this Research Area

Journal	Publications	Citations	SNIP ▼
Parasitology International	20	185	1.075
Asian Pacific Journal of Cancer Prevention	18 ▲	41	0.679
Parasitology Research	10	56	1.133
Acta Tropica	9 ▼	75	1.343
PLoS Neglected Tropical Diseases	6	121	1.675
Journal of Hepato-Biliary-Pancreatic Sciences	5 ▲	9	1.375
International Journal for Parasitology	4 ▲	34	1.291
Tumor Biology	3 ▲	13	1.073
Infection, Genetics and Evolution	3	17	1.166
Journal of Helminthology	3 ▲	1	0.776

Some journals bring
you more citations
than others.










Liver Fluke – Top Institutions

Most active Institutions in this Research Area

Export ▼

Shortcuts ▼

Show top 10 in this Research Area, by number of publications

		Publications	Field-Weight ▼
1.	 Khon Kaen University	139 ▲	1.66
2.	 Sun Yat-Sen University	57 ▲	1.07
3.	 Queen's University Belfast	49 ▲	2.09
4.	 Chinese Center for Disease Control and Prevention	29 ▼	1.12
5.	 Seoul National University	29	1.47
6.	 George Washington University	27 ▼	2.08
7.	 Mahidol University	25	0.99
8.	 Swiss Tropical Institute	25 ▼	2.42
9.	 James Cook University Queensland	24 ▼	1.54
10.	 University of Basel	23	2.25

KKU is the top institution in this field

Liver Fluke – Top Authors

Authors

Top 100 authors in this Research Area, by number of publications over the period 2010 to 2015.

Name	Publications ▼	Most recent publication	Field-Weight ▼
1. Yu, Xinbing	54	2014	1.22
2. Sripa, Banchob	48	2015	2.34
3. Liang, Chi	35	2014	1.29
4. Li, Xuerong	33	2014	1.25
5. Fairweather, Ian H.	32	2014	2.58
6. Laha, Thewarach	31	2015	2.82
7. Sithithaworn, Paiboon	30	2015	1.78
8. Chen, Wenjun	29	2014	1.71
9. Yongvanit, Puangrat	28	2014	1.53
10. Trudgett, Alan G.	27	2014	1.50

Liver Fluke – Banchob Sripa

Sripa, Banchob



Scopus author ID: 6603991946 | [View in Scopus](#)

Publications

160

Citations

3,230

Citations per Publication

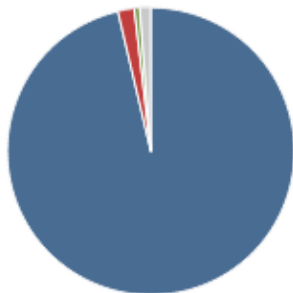
20.2

h-index

31

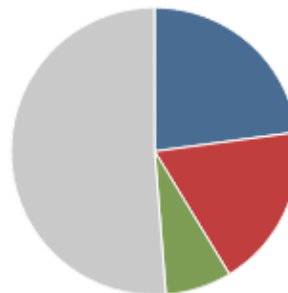
[View list of publications](#)

Publications by
Institution



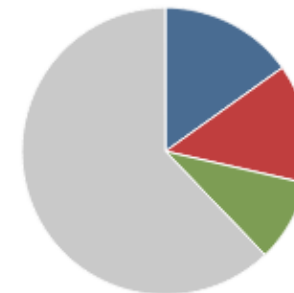
- Khon Kaen University (96.3%)
- Unknown institution (1.8%)
- Mie University (0.6%)
- Other (1.2%)

Publications by
Journal Category



- Infectious Diseases (22.9%)
- Parasitology (18.4%)
- Public Health, Environmental and ... (7.5%)
- Other (51.2%)

Publications by
Journal



- Parasitology International (15.1%)
- World Journal of Gastroenterology (13.4%)
- Acta Tropica (9.2%)
- Other (62.2%)
















Liver Fluke – Current Collaboration

Institutions collaborating with Khon Kaen University

Worldwide ▼

All sectors ▼

67 collaborating Institutions 99 co-authored publications

Institution	Co-authored publications ▼	Field-Weight ▼
 George Washington University	24 ▼	1.88
 James Cook University Queensland	15 ▼	1.93
 Mahasarakham University	13 ▲	0.46
 Mahidol University	10 ▲	0.20
 Thammasat University	10 ▲	0.30
 Queensland Institute of Medical Research	7 ▲	1.71
 University of Melbourne	7 ▼	3.71
 University of Queensland	7 ▼	1.71
 Mie University	7 ▼	0.86
 Karlsruhe Institute of Technology KIT	7 ▲	0.71
 National University of Singapore	6	1.83
 Gifu University	4 ▲	0.50
 Kumamoto University	4 ▲	0.25
 Swiss Tropical Institute	4	1.75
 Imperial College London	4 ▲	0.75

24 co-publications between KKU and GWU resulted a field Weighted Citation Impact of 1.88, indicating these papers are cited almost 1.9 times world average citation level for the field
















Liver Fluke – Potential Collaboration

Institutions not yet collaborating with Khon Kaen University

Worldwide ▼

All sectors ▼

327 not yet collaborating Institutions

Institution	Publications ▼	Field-Weight ▼
 Sun Yat-Sen University	57 ▲	1.07
 Queen's University Belfast	49 ▲	2.09
 Chinese Center for Disease Control and Prevention	29 ▼	1.12
 National Institute of Health, Seoul	21 ▼	0.64
 Gyeongsang National University	20	1.27
 South China Agricultural University	16 ▼	1.57
 Chinese Academy of Agricultural Sciences	14 ▼	1.55
 Yunnan Agriculture University	12 ▼	1.66
 Inha University	12 ▼	1.03
 La Trobe University	10 ▲	2.78
 Monash University	9 ▼	0.94
 Korea University	9	1.20
 Universitat de Valencia	9 ▲	2.01
 University of Liverpool	9 ▼	1.20
 University College Dublin	9 ▼	1.64

These institutions are all active in Liver Fluke but do not currently co-author with KKU.

Queen's Belfast produces high impact Liver Fluke Papers

Liver Fluke – Potential co-authors

Khon Kaen University

Top 100 authors not yet collaborating with Queen's University Belfast, by number of publications

Author	Publications	<input type="text" value="h-index"/>
Sripa, Banchob	47	31
Laha, Thewarach	31	20
Sithithaworn, Paiboon	26	26
Yongvanit, Puangrat	26	21
Pairojkul, Chawalit	19	17
Pinlaor, Somchai	18	20
Tesana, Smarn	16	14
Kaewkes, Sasithorn	15	15
Wongkham, Sopit	15	20
Boonmars, Thidarut	13	14
Loilome, Watcharin	13	11
Pinlaor, Porntip	10	14
Intapan, Pewpan Maleewong	9	15
Maleewong, Wanchai	9	15
Wongkham, Chaisiri	8	17

Queen's University Belfast

Top 100 authors not yet collaborating with Khon Kaen University, by number of publications

Author	Publications	<input type="text" value="h-index"/>
Fairweather, Ian H.	31	30
Trudgett, Alan G.	26	17
Hoey, Elizabeth M.	23	18
Brennan, Gerard P.	22	25
Timson, David J.	11	22
Toner, Emma	5	8
Walker, Stephen M.	5	9
Meaney, Myles M.	5	13
Devine, Catherine	4	9
Prödohl, Paulo A.	4	16
Maule, Aaron G.	4	28
McVeigh, Paul	4	12
Savage, J.	4	3
Moore, Catherine M.	4	3
Zinsser, Veronika L.	4	1

These are the authors at Queen's University Belfast who are active in Liver Fluke but do not yet co-author Liver Fluke papers with KKU

Trends Module (new in SciVal)

Trends is a new Module in SciVal

Trends is

- Research Area Centric (it looks at user defined specific areas only)
- Includes usage data (downloads from Science Direct and Views in Scopus in addition to citation data)
- KKU currently subscribes to SciVal Overview, Benchmarking and Collaboration Modules (not Trends)

Citations

- **Captures a selection of what an author has “officially” read** and selected for their particular publication.
- The references could be relevant for the research, but can also be skewed for political reasons.
- Take time to accumulate to reliable levels for comparison (2 years)

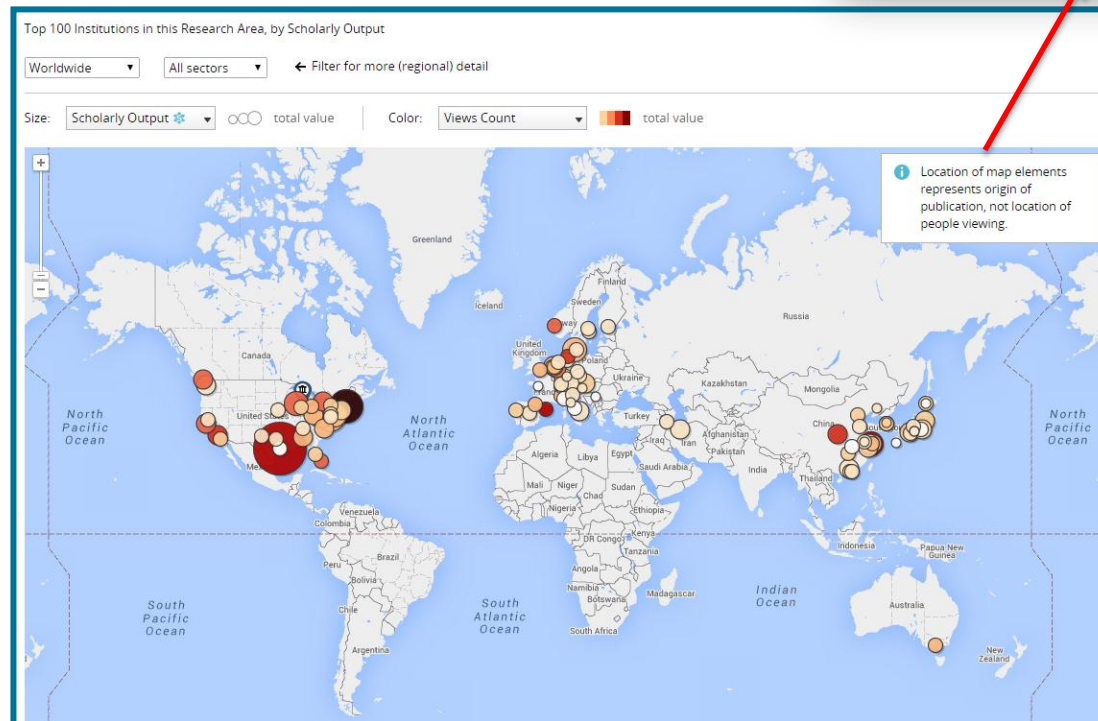
Usage data

- **Captures everything that has been viewed**, without being filtered by an author.
- Includes views and readership by lecturers and other non-publishing professionals
- Quick to accumulate
- Useful for subjects where citations less common, e.g. Arts & Humanities

Usage data in SciVal

We only display **WHAT** is being viewed **GLOBALLY**,
NOT WHO is viewing what.

i Location of map elements represents origin of publication, not location of people viewing.



Citations vs. Downloads

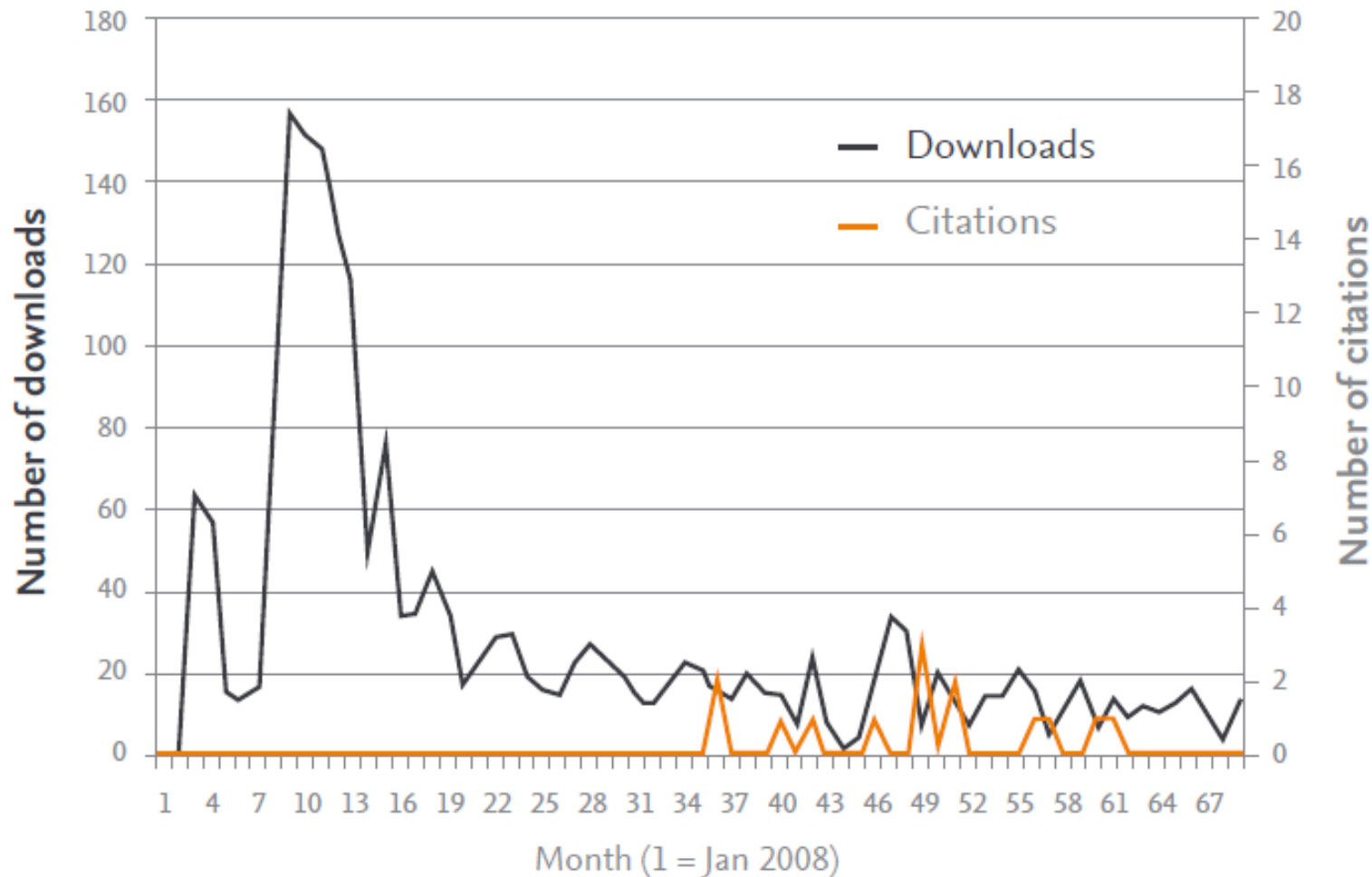




Figure 2 Usage data accumulates quickly, and is a more immediate indicator of attention than citation data⁶. The chart shows the example of one publication whose corrected proof appeared online on 4 March 2008 (month 3 in the figure), and whose corrected paginated proof appeared online on 22 August 2008 (month 8).

Views Impact vs. Citation Impact

Trends Module

KU 'Cassava Research' shows higher Views Impact than Citation Impact. That means many relatively many people have been viewing KKU Cassava articles in Scopus, but for some reason not as many are eventually cited. Do consider that Lecturers and many other professionals read articles but do not cite them. Readership is also impact!!

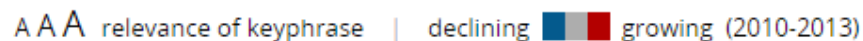
		Institution	Scholarly Output	Citation impact Field-Weighted C... ⚙️ ▼	Views impact Field-Weighted V... ▼
1.	<input type="checkbox"/>	 Kasetsart University	109	0.58	2.08
2.	<input type="checkbox"/>	 Universidade de Sao Paulo	81	0.82	1.34
3.	<input type="checkbox"/>	 Universidade Estadual Paulista Julio de Mesquita Filho	77	0.55	1.10
4.	<input type="checkbox"/>	 Embrapa - Empresa Brasileira de Pesquisa Agropecuaria	74	0.45	0.88
5.	<input type="checkbox"/>	 Khon Kaen University	65	1.14	2.34
6.	<input type="checkbox"/>	 Universidade Estadual de Campinas	65	0.93	1.75
7.	<input type="checkbox"/>	 International Institute of Tropical Agriculture (IITA), Ibadan	58	1.29	1.04
8.	<input type="checkbox"/>	 National Science and Technology Development Agency Thailand	58	2.01	3.13
9.	<input type="checkbox"/>	 Universidad Nacional de Colombia	56	0.69	0.98
10.	<input type="checkbox"/>	 University of Ibadan	54	0.28	0.90

Trends Module


Keyphrases

Export ▼

547

Source: Scopus | [Change](#)











CCA - Top World Institutions

Scholarly Output  ▼ total value

Color: Field-Weighted Views Impact ▼


 total value

CCA – Top World Institutions

↓ Institution		Scholarly Output	Citation Impact Field-Weighted C... 	Views Impact Field-Weighted V... 
1.	 Khon Kaen University	260	1.41	1.99
2.	 Mayo Clinic Rochester MN	116	2.63	0.85
3.	 Seoul National University	64	1.00	0.66
4.	 Johns Hopkins University	61	1.98	1.00
5.	 Kanazawa University	61	1.65	0.73
6.	 Nagoya University	56	2.77	0.32
7.	 Sun Yat-Sen University	56	1.09	0.61
8.	 Second Military Medical University	55	0.87	0.45
9.	 Fudan University	46	0.95	0.47
10.	 Harvard University	46	2.50	0.79
11.	 National Cancer Institute	44	2.51	1.31
12.	 Shanghai Jiaotong University	44	1.10	0.45
13.	 Sungkyunkwan University	44	1.10	0.72
14.	 University of Tokyo	43	2.64	0.50
15.	 University of Ulsan	43	1.50	0.72
16.	 Yonsei University	42	1.03	0.77
17.	 Mahidol University	40	1.39	2.68
18.	 University College London	35	3.64	0.83
19.	 University of Texas M. D. Anderson Cancer Center	35	2.02	1.27
20.	 University of Pittsburgh	33	1.67	0.77


CCA - Khon Kaen


Performance

Scholarly Output 

260




 [View list of publications](#)

Field-Weighted Citation Impact 

1.41



Collaboration


International Collaboration 

Publications co-authored with Institutions in other countries



Khon Kaen University:

50.0%

Academic-Corporate Collaboration 

Publications with both academic and corporate affiliations



Khon Kaen University:

0.0%

Top 15 keyphrases

Based on 251 publications

Opisthorchis

Opisthorchiasis

Laos

DNA, Helminth

autogamy

inbreeding

Fasciola hepatica

heterozygosity

genetic differentiation

Cholangiocarcinoma



epidemiology

genetic marker
















Bile Duct Neoplasms

genetic structure

Genetic Heterogeneity

AA relevance of keyphrase | declining   growing (2010-2013)

CCA - Top World Authors

	↓	Author	Affiliation	Scholarly Output	Citation Impact	Views Impact
					Field-Weighted C... ⚙️ ▼	Field-Weighted V... ▼
1.	<input type="checkbox"/>	Gores, Gregory J.	 Mayo Clinic Rochester MN	59	3.66	0.97
2.	<input type="checkbox"/>	Sripa, Banchob	 Khon Kaen University	59	1.97	2.62
3.	<input type="checkbox"/>	Yongvanit, Puangrat	 Khon Kaen University	59	1.35	1.94
4.	<input type="checkbox"/>	Nagino, Masato	 Nagoya University	52	2.50	0.30
5.	<input type="checkbox"/>	Pairojkul, Chawalit	 Khon Kaen University	52	1.49	2.11
6.	<input type="checkbox"/>	Wongkham, Sopit	 Khon Kaen University	50	1.15	2.14
7.	<input type="checkbox"/>	Loilome, Watcharin	 Khon Kaen University	44	1.09	1.92
8.	<input type="checkbox"/>	Khuntikeo, Narong	 Khon Kaen University	43	1.19	1.88
9.	<input type="checkbox"/>	Ebata, Tomoki	 Nagoya University	36	3.30	0.28
10.	<input type="checkbox"/>	Namwat, Nisana	 Khon Kaen University	36	0.85	1.85
11.	<input type="checkbox"/>	Nakanuma, Yasuni	 Kanazawa University	35	1.71	0.95
12.	<input type="checkbox"/>	Igami, Tsuyoshi	 Nagoya University	34	2.51	0.20
13.	<input type="checkbox"/>	Pawlik, Timothy M.	 Johns Hopkins University	33	2.40	1.02
14.	<input type="checkbox"/>	Pinlaor, Somchai	 Khon Kaen University	31	1.20	2.20
15.	<input type="checkbox"/>	Sithithaworn, Paiboon	 Khon Kaen University	30	2.12	3.10

CCA - Banchob Sripa

Activity of Sripa, Banchob

Within: Cholangiocarcinoma | Year range: 2010 to 2015 | [View this Activity](#)

Summary

Performance

Scholarly Output

59



[View list of publications](#)

Field-Weighted Citation Impact

1.97



Collaboration

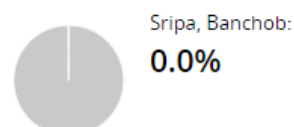
International Collaboration

Publications co-authored with researchers in other countries



Academic-Corporate Collaboration

Publications with both academic and corporate affiliations



Top 15 keyphrases

Based on 59 publications

Opisthorchis
Opisthorchiasis
Laos
Annexins
Helminth Proteins
Fasciola hepatica
Biotinylation
Catalogs as Topic
Cysteine Proteinase Inhibitors
Trematoda
Cholangiocarcinoma
Asia, Southeastern
Helminths
Apoptosis Regulatory Proteins
Expressed Sequence Tags

A A A relevance of keyphrase | declining growing (2010-2013)

CCA - Gregory Gores

Activity of Gores, Gregory J.

Within: Cholangiocarcinoma | Year range: 2010 to 2015 |

Summary

Performance

Scholarly Output

59



View list of publications

Field-Weighted Citation Impact

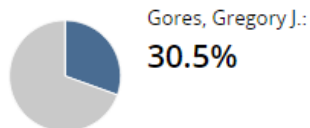
3.66



Collaboration

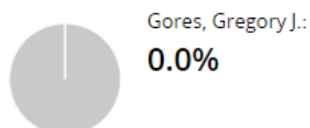
International Collaboration

Publications co-authored with researchers in other countries



Academic-Corporate Collaboration

Publications with both academic and corporate affiliations



Top 15 keyphrases

Based on 59 publications

Tetrasomy

Cholangitis, Sclerosing

Cholangiocarcinoma

Trisomy

Cholangiopancreatography, Endoscopic Retrograde

Aneuploidy

Bilirubin

In Situ Hybridization, Fluorescence

Liver Transplantation

Cell Biology

Early Diagnosis

Constriction, Pathologic

Survival Analysis

Carbohydrates

Antigens

A A A relevance of keyphrase | declining growing (2010-2013)

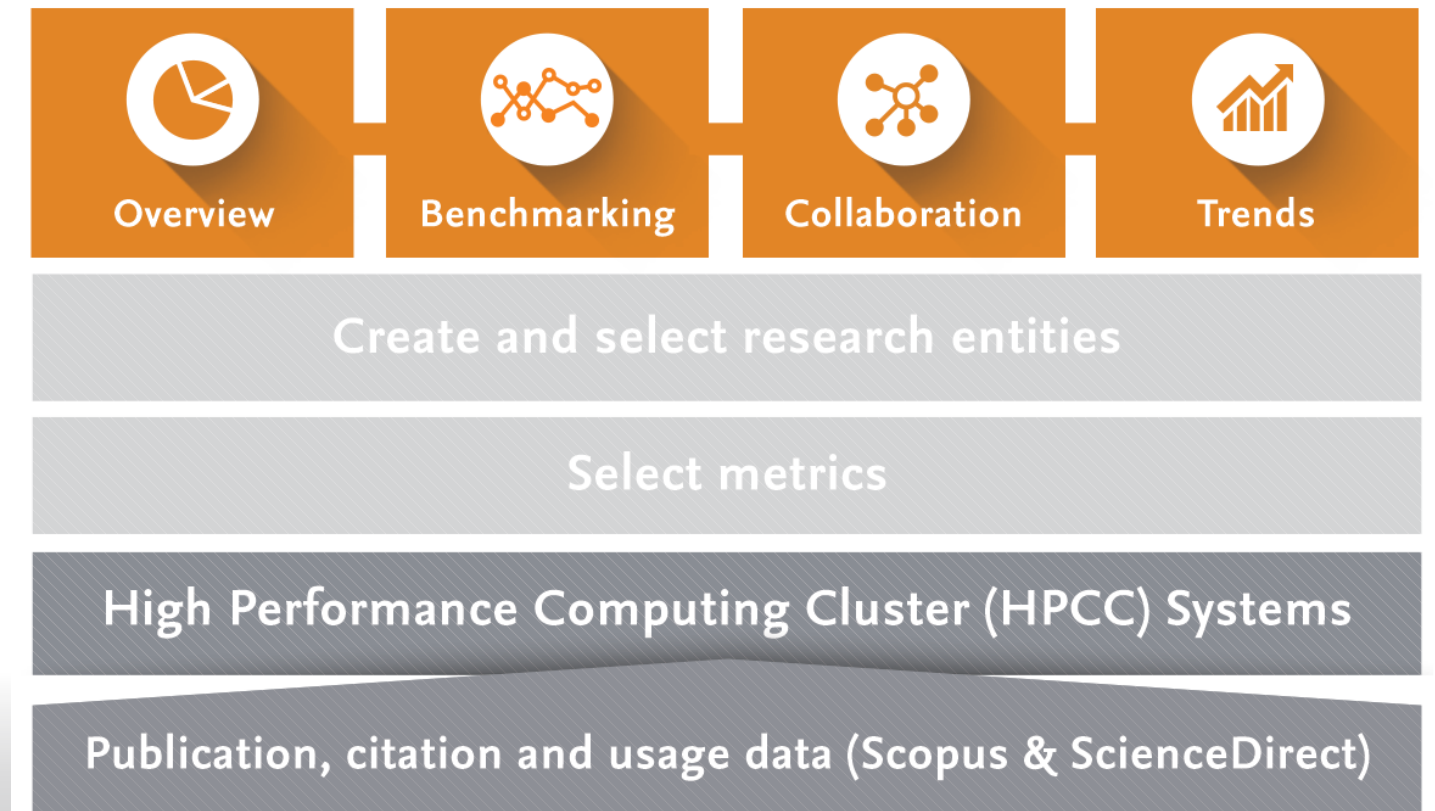
CCA - Top Journals

	↓ Journal	Scholarly Output ▾	Citation Count ⚙ ▾
1.	<input type="checkbox"/> Journal of Hepato-Biliary-Pancreatic Sciences	91	658
2.	<input type="checkbox"/> World Journal of Gastroenterology	88	346
3.	<input type="checkbox"/> Asian Pacific Journal of Cancer Prevention	83	272
4.	<input type="checkbox"/> Hepatology	76	1,451
5.	<input type="checkbox"/> Japanese Journal of Cancer and Chemotherapy	59	12
6.	<input type="checkbox"/> Hepato-Gastroenterology	58	150
7.	<input type="checkbox"/> Annals of Surgical Oncology	53	437
8.	<input type="checkbox"/> HPB	52	364
9.	<input type="checkbox"/> PLoS One	47	268
10.	<input type="checkbox"/> Digestive Diseases and Sciences	44	219
11.	<input type="checkbox"/> Surgery Today	42	72
12.	<input type="checkbox"/> Japanese Journal of Gastroenterological Surgery	40	4
13.	<input type="checkbox"/> Journal of Gastrointestinal Surgery	38	190
14.	<input type="checkbox"/> Journal of Hepatology	38	352
15.	<input type="checkbox"/> Human Pathology	33	200
16.	<input type="checkbox"/> Tumor Biology	32	78
17.	<input type="checkbox"/> Annals of Surgery	28	555
18.	<input type="checkbox"/> Japanese Journal of Gastroenterology	28	8
19.	<input type="checkbox"/> World Journal of Surgery	27	167
20.	<input type="checkbox"/> Gastrointestinal Endoscopy	26	333

Appendix D: About SciVal

SciVal –Data Driven Insight into Research Performance

SciVal offers quick, easy access to the research performance of 220 nations and 4,600 research institutions worldwide, and groups of institutions



Scopus as the Data Source for SciVal

Scopus is the largest abstract and citation database of peer-reviewed research literature from around the world. It's the core data source of Elsevier Research Intelligence solutions, and used by academics, government researchers and corporate R&D professionals who need a comprehensive and efficient place to search, discover and analyze research.

Over 21,900 titles from more than 5,000 international publishers and 105 different countries

Over 54 million records, 23 million patents from 5 patent offices worldwide

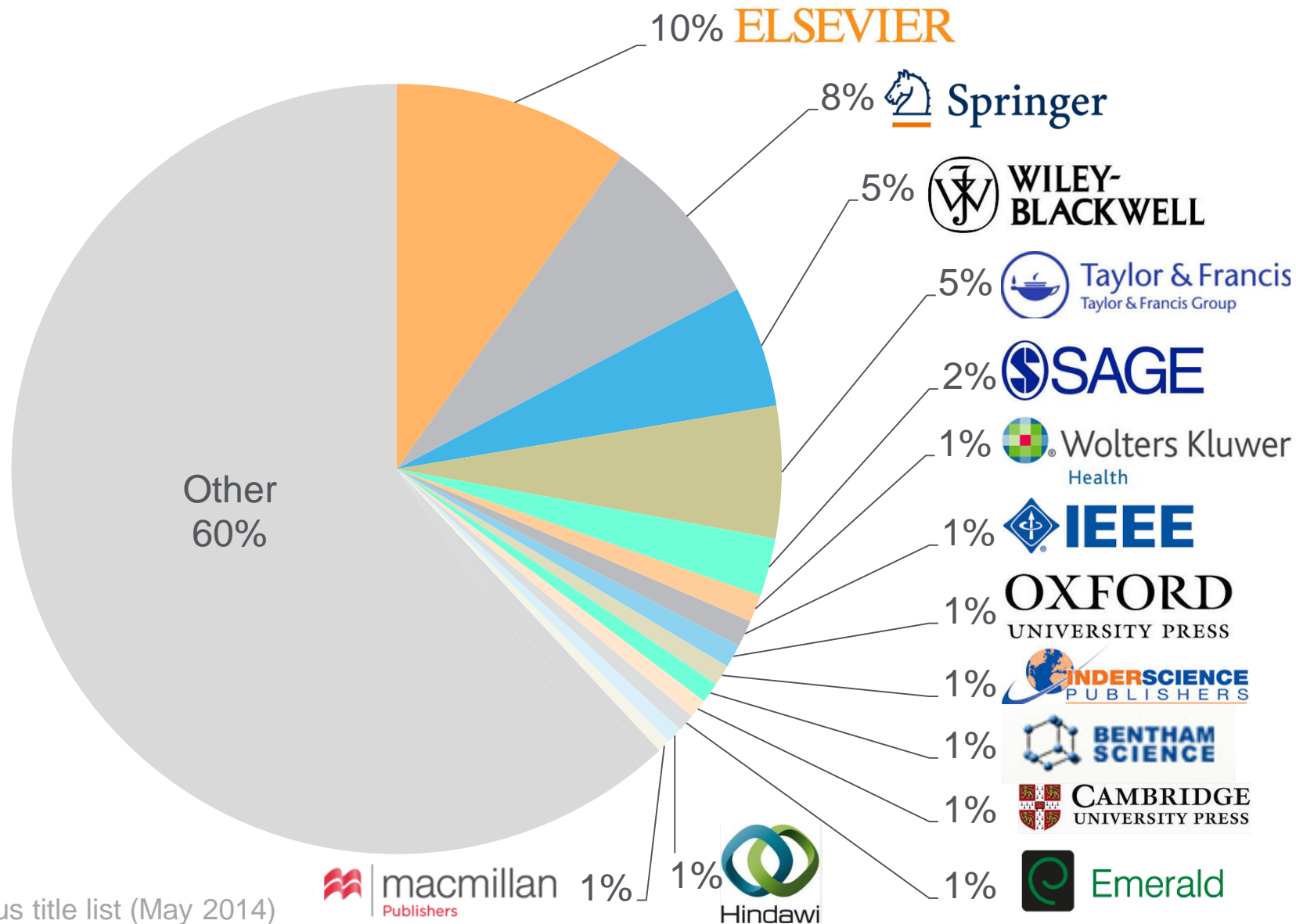
All content is vigorously vetted by an independent, 15-person, international board of experts called the Content Selection and Advisory Board (CSAB)

More than 3,000 customers worldwide in all geographic regions

What content does Scopus include?

Physical Sciences 6,600	JOURNALS 21,912 peer-reviewed journals 367 trade journals <ul style="list-style-type: none">- Full metadata, abstracts and cited references (pre-1996)- >2,800 fully Open Access titles- Going back to 1823- Funding data from acknowledgements	CONFERENCES 17k events 5.5M records (10%) Conf. expansion: 1,000 conferences 6,000 conf. events 400k conf. papers 5M citations Mainly Engineering and Physical Sciences	BOOKS 421 book series - 28K Volumes - 925K items 29,917 books - 311K items Books expansion: 75K books by 2015 - Focus on Social Sciences and A&H	PATENTS 24M patents from 5 major patent offices
Health Sciences 6,300				
Social Sciences 6,350				
Life Sciences 4,050				

Ratio of journals per Publisher in Scopus



Source: Scopus title list (May 2014)

Comparison with Web of Science Core Collection

Scopus

~24K titles

>5,000 publishers

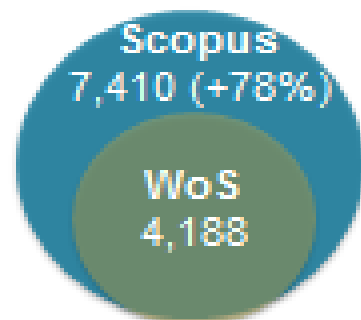
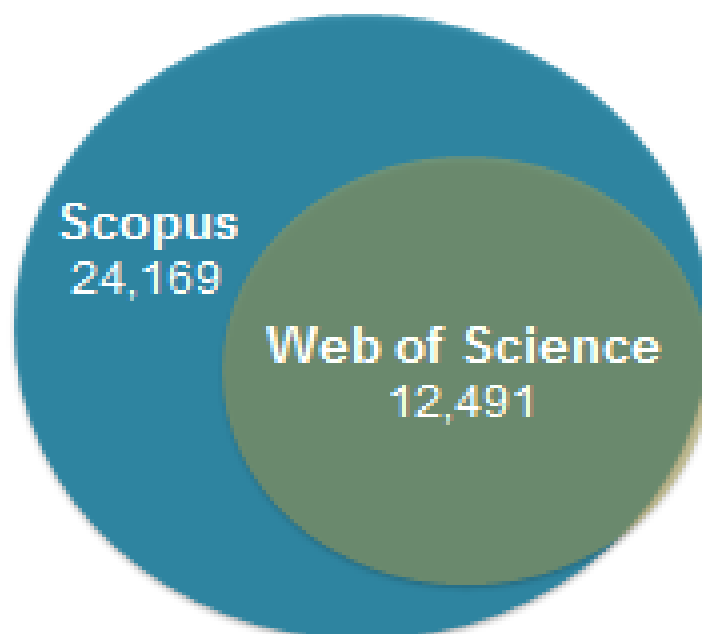
Updated daily

WEB OF SCIENCE™

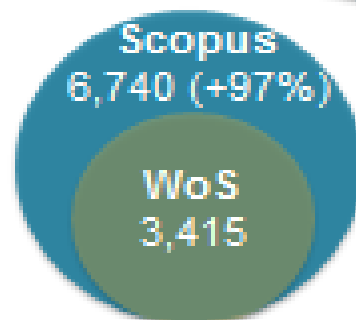
~12K titles

~3,300 publishers

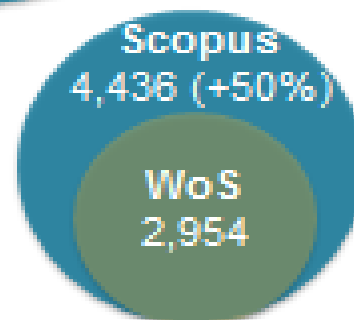
Updated weekly



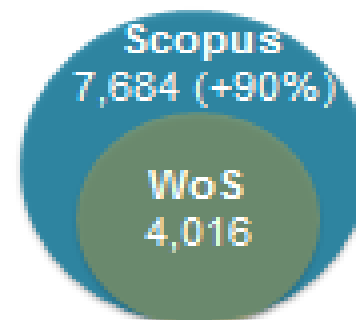
Physical Sciences



Health Sciences



Life Sciences



Social Sciences

Source: Web of Science Real Facts, Web of Science title list and Scopus' own data (April 2014)

About the Author

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Alexander is a Consultant with Elsevier, specialized in research performance evaluation. Currently based in Singapore he engages academic and government institutions South East Asia with the aim of providing insights which will help refine their research strategies. Alexander holds a MSc degree in Developmental Psychology from the University of Amsterdam and has been working with Elsevier since 2006.

Please feel free to email me with questions or connect with me:

<https://sg.linkedin.com/in/servellen>