

2012 의편협 Workshop – 의학학술지 DB의 이해와 활용 –

# Synergy between Scopus and KoreaMed & Synapse

장 현 주  
(Elsevier Korea)



# Synergy between Scopus and KoreaMed & Synapse

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엘스비어 코리아  
장현주 차장  
d.jang@elsevier.com



## Agenda



- Scopus
  - ✓ Scopus, Institutions use Scopus
- Scopus contents
  - ✓ Content coverage, Promote productivity
- Scopus title selection
  - ✓ Selection criteria, acceptance rate
- Research performance analysis
- KoreaMed – Scopus integration
- Scopus: Next step



# Elsevier...



## SciVerse ScienceDirect



## SciVerse Scopus



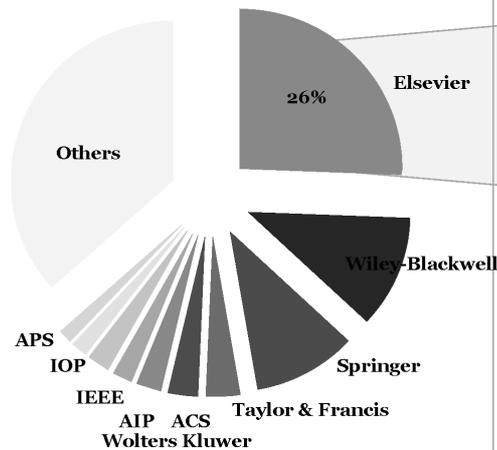
- 430여 년의 역사를 지닌 세계 최대의 과학, 기술, 의학분야 전문 출판사
- 전세계 25개국 74개 지사에서 7,500여 명의 직원 근무
- 약 2,000여 종의 저널과 2만 권에 이르는 도서 및 레퍼런스 출판
- ScienceDirect, Scopus, reaxys, SciVal 등 최상의 연구 솔루션 제공



# Elsevier: STM article publishing

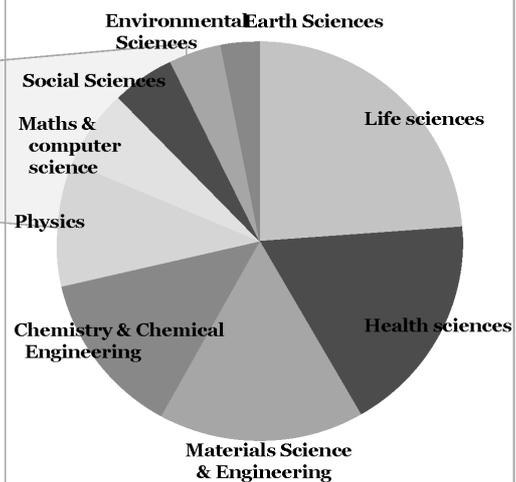


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## SciVerse Scopus

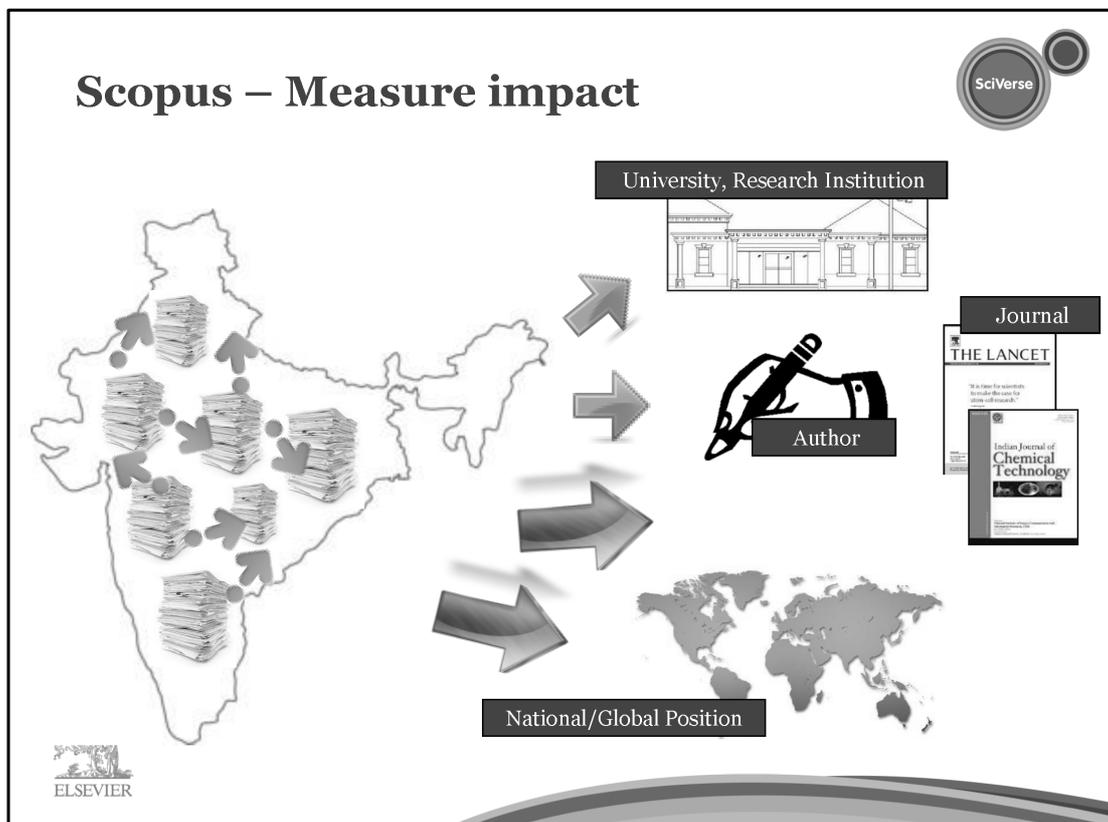
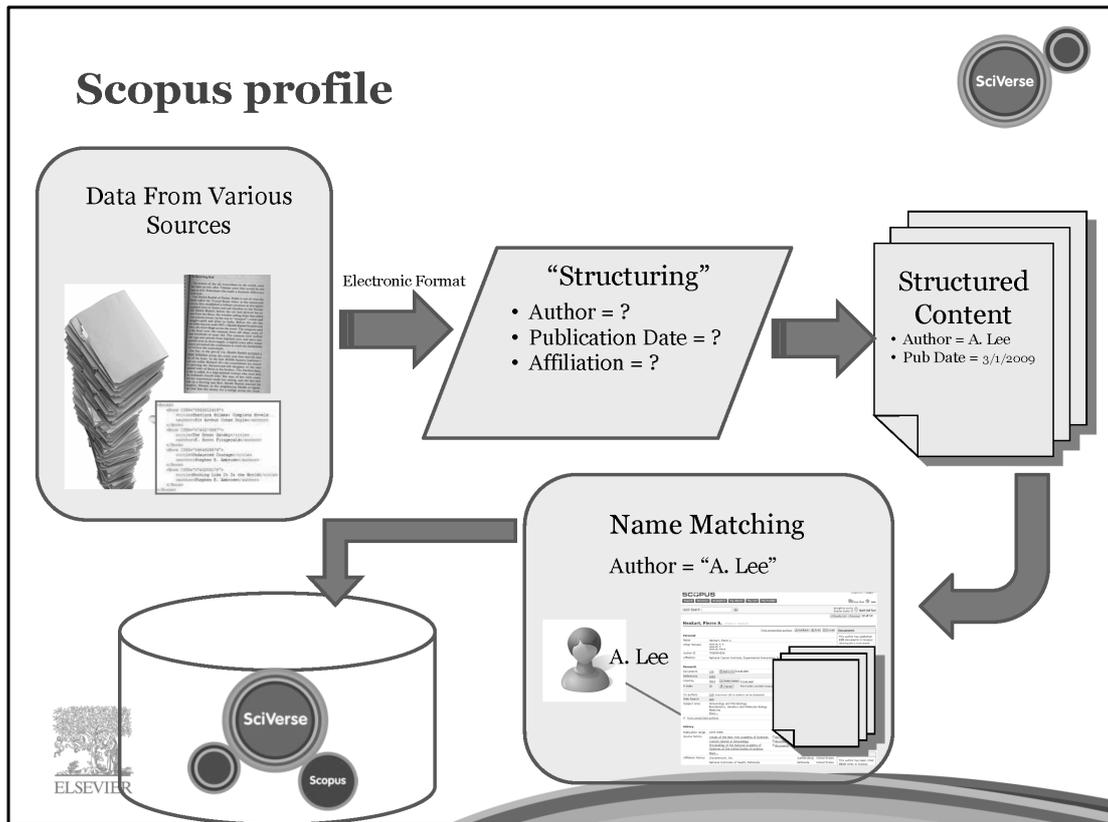


## SciVerse Scopus



- Peer-Reviewed된 연구문헌 정보를 제공하는 초록 및 인용 데이터베이스
- 전 세계 5,000여 개 이상의 출판사에서 출판되는 19,500 종 이상의 타이틀 수록 (과학, 기술, 의학, 사회과학, 인문, 예술 분야)
- 논문별 인용정보: 연구과정을 지원하기 위해 논문별 인용정보 제공
- Author Profile : 각 저자의 논문, 피인용, 참고문헌, H-Index 제공
- Affiliation Profile: 기관의 논문을 그룹핑. 기관의 연구성과 분석, 논문, 저자, 특허, 주제정보, 연구협력기관
- Journal Analyzer: 개별 저널 평가 및 분석. 논문, 피인용도, SJR, SNIP 지수
- Content Selection & Advisory Board (CSAB): 개방적이고 투명한 콘텐츠 수록 정책 유지
- Scopus Title Evaluation Platform(STEP): 새로운 타이틀의 등재 신청 및 평가를 위한 웹 기반 플랫폼





## Top decision making bodies use Scopus



More than 95 of the world's top Laboratories, Institutes and Ranking Bodies use Scopus for evaluation.

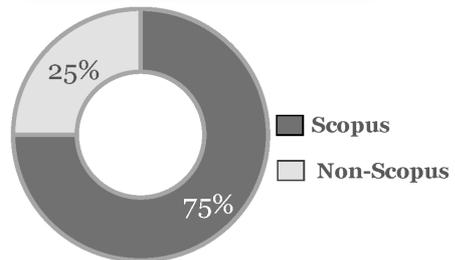
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## Leading research institutes use Scopus



Rank	Name of Institute	Country
1	University of Cambridge	UK
2	Harvard University	US
3	Yale University	US
4	University College London	UK
5	Massachusetts Institute of Technology	US
6	University of Oxford	UK
7	Imperial College London	UK
8	University of Chicago	US
9	California Institute of Technology	US
10	Princeton University	US
11	Columbia University	US
12	University of Pennsylvania	US
13	Stanford University	US
14	Duke University	US
15	University of Michigan	US
16	Cornell University	US
17	Johns Hopkins University	US
18	McGill University	Canada
19	ETH Zurich	Switzerland
20	Australian National University	Australia

QS WORLD UNIVERSITY RANKINGS



Around 2,000 institutions search Scopus



# And in Korea



Scopus: 57개 기관 구독, Scopus custom data : KISTI 이용

**RISS** | KERIS 해외전자정보 컨소시엄  
Academic library Consortia on Electronic resources (ACE)

KERIS Consortium – Scopus:  
40개 대학

교육과학기술부  
선진 대한민국, 반드시 해내겠습니다  
MKE 지식경제부  
국책연구기관

17개 국책연구 기관



KISTI is using Scopus Custom Data to analyze the trend of science & technology with bibliometric method and the status of international joint research activities

Emerging Technology analysis (미래 유망기술 분석)

# 2012 조선일보 QS 아시아 대학평가



[2012 아시아 대학평가] 학계 평가·논문 인용 등 4개 영역과 9개 지표로

안석배 차장 sbahn@chosun.com 김수혜 기자 goodluck@chosun.com 김연주 기자 carol@chosun.com 심현진 osun.com 대학평가사무국 이은지 ejlee@chosun.com  
입력 : 2012.05.29 03:16 | 수정 : 2012.05.29 08:40

## 어떻게 평가했나

2012년 조선일보·QS 아시아대학평가는 4개 영역 9개 지표로 평가했다.

연구 능력을 평가하는 영역(비중 60%)은 학계 평가(30%)와 교원당 논문 수(15%), 논문당 피인용 수(15%) 등 3개 지표로 구성된다. 이중 학계 평가는 전 세계 학자 1만6440명을 대상으로 '본인 분야에서 탁월한 대학을 꼽아달라'는 온라인 인터뷰 조사를 통해 4~5월 진행됐다. 다른 학자들의 연구에서 그 대학교수 논문을 얼마나 인용했는지(논문당 피인용 수), 연구생사서는 어떻지(교원당 논문 수)는 논문 데이터베이스인 '스코퍼스(Scopus)'의 2007~2011년 동재 논문을 분석했다.

교육 수준(20%)은 교원과 학생 수 비율을 반영했다. 시간강사 등 비전임 교원도 강의 시수 등에 따라 교원 수에 반영했다.

졸업생 평판도(10%)는 전 세계 기업 인사 담당자 5291명에게 '유능한 사원의 출신 대학을 꼽아달라'는 질문을 통해 평가했다. 한국 기업 인사 담당자들도 조사에 포함됐다. 이 조사는 3월부터 5월까지 진행했다.

국제화(10%)는 외국인 교원 비율, 외국인 학생 비율, 해외로 나간 교환학생 비율, 국내로 들어온 교환학생 비



## 아시아 20위

순위 대학	순위 대학
1 홍콩과학기술대(1)	11 오사카대(8)
2 싱가포르국립대(3)	12 홍콩시태대(15)
3 홍콩대(2)	13 도쿄공업대(9)
4 서울대(6)	14 도호쿠대(9)
5 홍콩중문대(5)	15 칭화대(16)
6 베이징대(13)	16 연세대(18)
7 카이스트(11)	17 난양공대(17)
8 도쿄대(4)	18 나고야대(14)
9 포스텍(12)	19 푸단대(21)
10 교토대(7)	20 국립대만대(21)

※괄호 안은 작년 순위 자료: QS/Q

## 국내 20위

순위 대학	아시아 순위	순위 대학	아시아 순위
1 서울대	4(6)	11 부산대	63(66)
2 카이스트	7(11)	12 인하대	68(87)
3 포스텍	9(12)	13 한국외대	69(111)
4 연세대	16(18)	14 경북대	70(61)
5 고려대	21(26)	15 중앙대	82(93)
6 성균관대	24(27)	16 서울시립대	83(132)
7 한양대	33(44)	17 가톨릭대	94(89)
8 이화여대	40(45)	18 울산대	99(106)
9 경희대	41(42)	19 한림대	100(116)
10 서강대	51(55)	20 아주대	102(103)

# World Class University(WCU) project



심사	평가지표	평점비율
대학여건 및 연구실적 (30%)	<ul style="list-style-type: none"> <li>■ 교육·연구 인프라 여건 (정량평가)                             <ul style="list-style-type: none"> <li>① 대학원생수 대비 최근 5년간 박사학위 배출 실적</li> <li>② 교원 1인당 학생수(학부생수+대학원생수)</li> <li>③ 학부생수 대비 대학원생수(특수대학원생 제외)</li> </ul> </li> </ul>	5%
	<ul style="list-style-type: none"> <li>■ 연구팀 연구실적 평가 (정량평가)                             <ul style="list-style-type: none"> <li>※ 연구실적 산정 기간 : '05. 1. 1 ~ '09. 12. 31</li> <li>- 학문분야별 상위 10% 저널에 게재된 1인당 논문수 (총 논문수/참여학자 수)</li> </ul> </li> </ul>	8%
	<ul style="list-style-type: none"> <li>- 해당분야 Top 수준의 원자력 전문학술지(추후 공지) 논문 포함</li> </ul>	
	<ul style="list-style-type: none"> <li>- SCI(E), SSCI, A&amp;HCI, SCOPUS급 저널게재 논문의 1인당 피인용 횟수(피인용 총횟수/참여학자 수)</li> </ul>	10%
	<ul style="list-style-type: none"> <li>- 과제참여자가 SCI(E), SSCI, A&amp;HCI, SCOPUS급 학술지의 Editor로 활동한 경력(전공패널심사에서 5단계 척도로 정성평가하여 연구실적에 합산)</li> </ul>	3%
	<ul style="list-style-type: none"> <li>- 1인당 국내 및 국외 특허 건수(총특허건수/참여학자수)</li> </ul>	4%



## Scopus Content



# Coverage of Scopus



- 19,577 active titles (May 2012)
  - 18,587 peer-reviewed journals
  - 403 trade journals
  - 248 conference proceedings
  - 339 book series



<b>Social Sciences</b> <b>6,341</b> Psychology Economics Business A&H etc.,	<b>Health Sciences</b> <b>6,313</b> Medicine Nursing Dentistry etc.,	<b>Physical Sciences</b> <b>6,621</b> Chemistry Physics Engineering etc.,	<b>Life Sciences</b> 4,048 Neuroscience Pharmacology Biology etc.,
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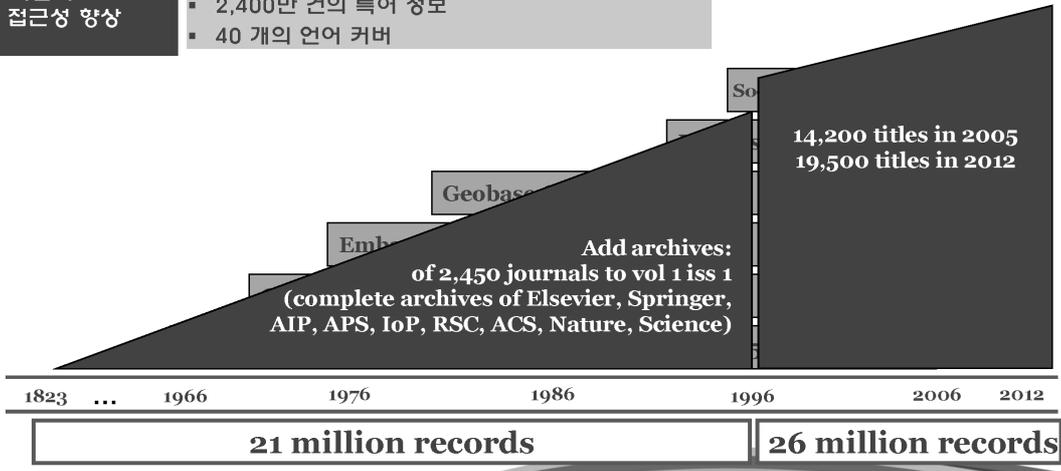


More than 19,500 titles in Scopus, titles can be in more than one subject area

# Scopus content – broadest sources



- Scopus content**
- 저널(출판물)의 질, 수준 향상
  - 저널의 접근성 향상
- 5,000여 개 이상의 출판사에서 출판되는 타이틀의 조록 및 인용정보
  - 1,800 Open Access journals
  - 490만 건의 conference papers
  - 2,400만 건의 특허 정보
  - 40 개의 언어 커버



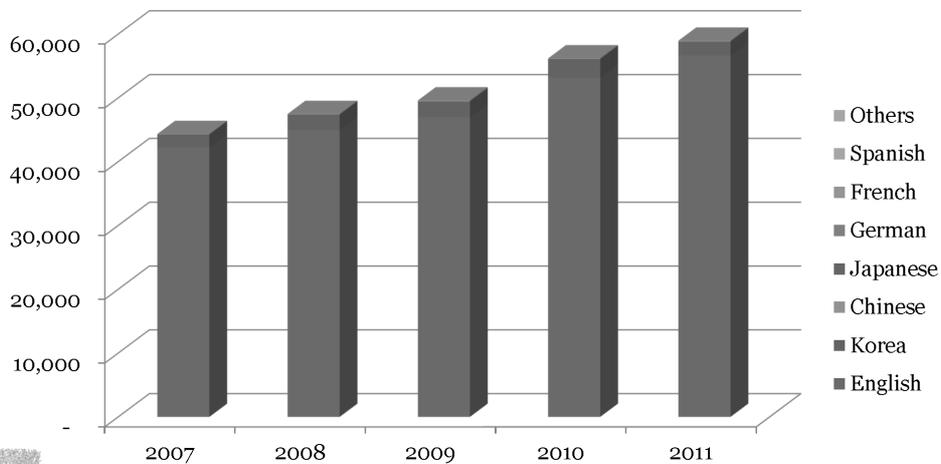
## Geographical distribution of titles



## Breadth of coverage Korea



Number of documents in Scopus with Korean country affiliation in 2007 – 2011



150 active Korean titles in Scopus and 89 Scopus-unique



## Scopus title selection



## Challenges for Scopus title review



challenges

Up to 200,000 titles worldwide. More than 2,500 suggestions per year

A wide variety of publishing models and publishers

Titles in numerous languages

Institutional, society-based, national, or sub-national titles

Poor quality, regional titles with limited copy flow

**CSAB**

**Scopus Content Selection & Advisory Board**

- 40 members
- Researchers
  - Information specialist
  - Librarians



# Scopus selection criteria



- Minimum criteria**
- Peer-review
  - English abstracts
  - Regular publication
  - References in Roman script
  - Publication ethics statement



<b>Journal policy</b>	<ul style="list-style-type: none"> <li>▪ Convincing editorial concept/policy</li> <li>▪ Level of peer-review</li> <li>▪ Diversity in geographic distribution of editors</li> <li>▪ Diversity in geographic distribution of authors</li> </ul>
<b>Quality of content</b>	<ul style="list-style-type: none"> <li>▪ Academic contribution to the field</li> <li>▪ Clarity of abstracts</li> <li>▪ Quality and conformity with stated aims &amp; scope</li> <li>▪ Readability of articles</li> </ul>
<b>Journal standing</b>	<ul style="list-style-type: none"> <li>▪ Citedness of journal articles in Scopus</li> <li>▪ Editor standing</li> </ul>
<b>Regularity</b>	<ul style="list-style-type: none"> <li>▪ No delay in publication schedule</li> </ul>
<b>Online availability</b>	<ul style="list-style-type: none"> <li>▪ Content available online</li> <li>▪ English-language journal home page</li> <li>▪ Quality of home page</li> </ul>

# Title suggestions per country



Title suggestions accepted for review in 2011



2,931 titles suggested in 2011, of which 1,183 acceptable for review

## Acceptance rate & selected titles per country

Titles selected by the CSAB in 2011



Total 1,703(1,183+520) titles reviewed of which 660 titles selected (overall acceptance rate: 39%)



## Research performance analysis through Scopus



# Research Outputs by countries



<Publication Overview: 2007-2011 Scopus 등재 논문 기준 >

Country	Articles ▼	Growth	Articles by sector			Citation count	CPA	SotA
			Academic	Government	Industry			
United States	2,171,338	3.21% ▲	77.75%	13.58%	8.67%	14,457,614	6.66	0.27
China	1,157,734	19.46% ▲	84.35%	13.90%	1.75%	2,805,028	2.42	0.88
United Kingdom	596,390	3.99% ▲	83.21%	9.73%	7.06%	3,927,780	6.59	0.34
Germany	535,797	5.34% ▲	71.77%	19.57%	8.66%	3,439,422	6.42	0.72
Japan	495,927	1.86% ▲	75.71%	16.35%	7.94%	2,231,721	4.50	-0.06
France	404,655	4.47% ▲	57.05%	28.82%	14.13%	2,324,250	5.74	0.22
Canada	345,482	4.06% ▲	85.56%	8.62%	5.82%	2,084,805	6.03	0.05
Italy	325,512	4.39% ▲	73.63%	19.02%	7.35%	1,834,585	5.64	0.50
Spain	278,861	7.60% ▲	70.62%	17.17%	12.21%	1,401,471	5.03	0.39
India	277,314	17.60% ▲	73.01%	24.13%	2.86%	781,925	2.82	-2.33
Australia	248,078	8.17% ▲	81.35%	8.69%	9.96%	1,368,170	5.52	0.17
<b>Korea (Republic of)</b>	<b>236,206</b>	<b>9.28% ▲</b>	<b>77.42%</b>	<b>17.56%</b>	<b>5.02%</b>	<b>864,627</b>	<b>3.66</b>	<b>0.26</b>
Brazil	192,144	9.67% ▲	89.69%	9.11%	1.19%	587,193	3.06	-0.81
Netherlands	187,939	6.27% ▲	82.19%	10.39%	7.42%	1,389,400	7.39	0.85
Taiwan	162,714	7.58% ▲	82.76%	9.96%	7.29%	568,724	3.50	-0.00
Russian Federation	134,889	4.54% ▲	36.16%	63.84%	0.00%	357,195	2.65	-3.52
Switzerland	134,053	6.08% ▲	82.11%	10.53%	7.36%	1,085,065	8.09	1.08
Turkey	124,107	9.37% ▲	94.08%	2.29%	3.63%	355,268	2.86	-1.26
Sweden	119,397	4.87% ▲	95.08%	2.34%	2.57%	825,325	6.91	0.49
Poland	110,632	5.53% ▲	79.78%	19.13%	1.09%	373,436	3.38	-0.62
Iran	110,610	25.88% ▲	97.11%	2.89%	0.00%	252,518	2.28	-1.15

# Research Outputs by Korean Univ.



<Publication Overview: 2007-2011 Scopus 등재 논문 기준 >

Institution	Articles ▼	Growth	Collaboration			Citation count	CPA	SotA
			Overall	National	International			
Seoul National University	32,445	6.63% ▲	68.02%	53.94%	25.60%	159,237	4.91	0.11
Yonsei University	19,829	7.39% ▲	63.05%	49.32%	23.67%	91,036	4.59	0.24
Korea University	16,463	7.83% ▲	71.40%	57.01%	26.62%	73,619	4.47	0.43
Sungkyunkwan University	14,711	9.00% ▲	66.27%	54.98%	22.94%	68,917	4.68	0.52
Korea Advanced Institute of Sc...	14,641	4.37% ▲	57.98%	43.76%	21.63%	57,895	3.95	0.97
Hanyang University	12,011	4.16% ▲	63.96%	51.12%	21.95%	44,595	3.71	0.21
Pusan National University	9,265	7.24% ▲	66.21%	51.65%	23.89%	33,288	3.59	-0.39
Kyung Hee University	8,926	23.51% ▲	66.04%	50.69%	24.00%	29,972	3.36	0.08
Kyungpook National University	8,763	6.10% ▲	68.73%	54.33%	28.59%	37,243	4.25	-0.27
Pohang University of Science a...	8,227	3.73% ▲	62.55%	43.12%	29.46%	44,797	5.45	0.43
Chonnam National University	7,276	8.39% ▲	65.70%	53.79%	26.03%	29,164	4.01	-0.39
Chungnam National University	7,132	6.58% ▲	74.78%	64.17%	21.42%	24,603	3.45	-0.30
University of Ulsan	7,099	15.04% ▲	61.29%	51.46%	17.33%	34,708	4.89	0.27
Inha University	6,947	1.95% ▲	53.59%	40.69%	18.96%	25,429	3.66	0.29
Konkuk University	6,358	8.16% ▲	72.02%	60.78%	21.58%	22,323	3.51	-0.11
Chonbuk National University	6,204	7.95% ▲	67.88%	48.48%	28.89%	24,628	3.97	-0.05
Catholic University of Korea	5,646	15.69% ▲	59.15%	50.82%	18.19%	21,936	3.89	-0.07
Korea Institute of Science and...	5,121	5.53% ▲	84.32%	73.72%	21.54%	23,835	4.65	0.85
Samsung	4,837	-1.83% ▼	79.32%	63.36%	24.32%	15,686	3.24	1.58
Chung-Ang University	4,742	18.50% ▲	64.64%	54.20%	19.07%	13,601	2.87	-0.58
Ewha Womans University	4,693	12.60% ▲	75.11%	57.18%	29.61%	23,797	5.07	0.22
Gyeongsang National University	4,674	5.48% ▲	74.42%	55.79%	30.89%	19,043	4.07	-0.65

# Korea research outputs

The screenshot displays the SciVerse Scopus search results for the query 'Korea'. The interface includes a search bar, navigation tabs, and a list of document results. A table of results is visible at the bottom, listing authors, titles, years, and source titles.

Authors	Title	Year	Source title	Volume	Issue	Art. No.	Page start	Page end	Page count	Cited by	Link	Affiliation	Authors with keywor	Index	Correspon	Publisher
Lee H.-T., W. Does purch	2012 Applied Ecc	45	16	2279	2294							http://www.Strategy and Lee, H.-T., S. Markovre Markovre of Hoop, G. Department o				
Kim S., Lim, H., Park, D.	2013 Applied Econo	45	16	2183	2190							http://www.Department Kim, S., Dep Granger of financial Kim, S.; Department of				
Kim Y.J., Cla Determin	2013 Applied Ecc	45	5	651	661							http://www.A.R. Sanchez Kim, Y.J., A.FEU; Intelli European Kim, Y.J.; A.R. Sanchez,				
Kim D., Kim Stock mark	2013 Applied Ecc	45	3	273	285							http://www.Department Kim, D., Dej Foreign o analytica Sung, T.; School of Econ				
Park J.H., M Estimating	2012 Applied Ecc	45	2	37	46							http://www.Department Park, J.H., D Adjustme continger Park, J.H.; Department				
Ahn H.-S., Lee The effect c	2012 Internation	55	3-Jan	89	92							http://www.Department Ahn, H.-S., D Capillary Cnf enha Kim, M.K.; Division of Aled				
Yu S.-H., Jar Effect of rat	2012 Internation	55	3-Jan	505	509							http://www.School of Mi Yu, S.-H., Sc Natural o Fin lengst Lee, K.-S.; School of Mei				
Ndoao S., Lee Heat transf	2012 Internation	55	3-Jan	413	421							http://www.Department Ndoao, S., De Electronic Area ratic Ndoao, S.; Department o				
Yeom G.-S., Numerical i	2012 Internation	55	3-Jan	493	469							http://www.Division of J Yeom, G.-S., Droplet to Air flow; J Yeom, G.-S.; Division of				
Moon C.H., An approxi	2012 Internation	55	3-Jan	310	315							http://www.Rolling Test Moon, C.H., Analytic o Analytic Lee, Y.; Department of I				
Derby M., Li Condensat	2012 Internation	55	3-Jan	187	197							http://www.Department Derby, M., C Channel o Average Jensen, M.K.; JEC 2049 2				
Kim D., Sun Efficiency o	2012 Applied Ecc	19	18	1889	1892							http://www.Department Kim, D., Dej conglomerates; con Sung, T.; School of Econ				
Zook D.C., Reforming I	2012 Stanford Jo	48	1	131	183							http://www.Departm				
Barnie M., M Scaubs and	2012 Linguistic II	43	1	133	142							http://www.Sogang U				
Lim K.-K., Kim Translatio	2012 Desa	387		390	315							http://www.School of				

다운로드: 저자, 소속기관, 교신처자, 인용건수, 각종 서지정보

# Journal articles citation, reference, cited by

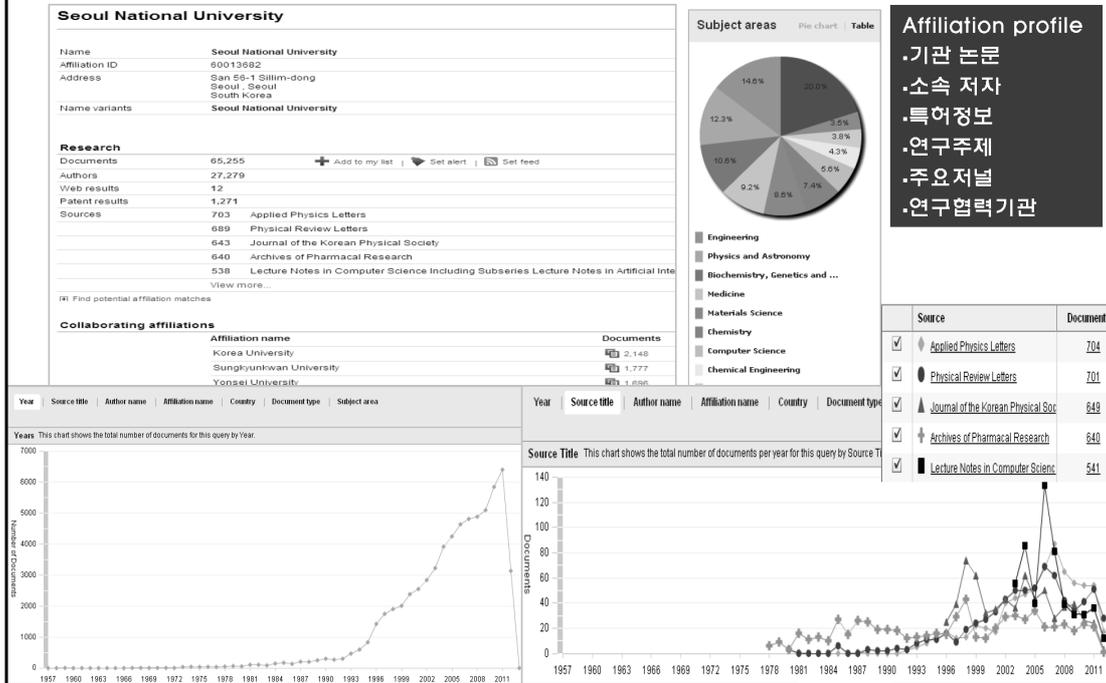
The screenshot shows the SciVerse Scopus interface for a specific article. The 'Document results: 1,280' are displayed. The interface includes search filters, a list of results, and a table of results. A table of results is visible at the bottom, listing authors, titles, years, and source titles.

Document title	Author(s)	Date	Source title	Cited by
Electron microscopy of the separated outer tegument of the sparganium and its antigenicity	Yang, H.-J.	2012	Korean Journal of Parasitology 50 (2), pp. 181-183	0
PCR for diagnosis of male Trichomonas vaginalis infection with chronic prostatitis and urethritis	Lee, J.J., Moon, H.S., Lee, T.Y., Hwang, H.S., Ahn, M.-H., Ryu, J.-S.	2012	Korean Journal of Parasitology 50 (2), pp. 157-159	0
Efficacy of ronidazole for treatment of cats experimentally infected with a Korean isolate of Tritrichomonas foetus	Lim, S., Park, S.-I., Ahn, K.-S., Oh, D.-S., Shin, S.-S.	2012	Korean Journal of Parasitology 50 (2), pp. 161-165	0
Two cases of primary splenic hydatid cyst in Greece	Vezakis, A., Dellaportas, D., Polymeneas, G., Tasoulis, M.K., Chondrogiannis, C., Melemeni, A., Polydorou, A., Fragulidis, G.P.	2012	Korean Journal of Parasitology 50 (2), pp. 147-150	0
Seasonal abundance of biting midges, Culicoides spp. (Diptera: Ceratopogonidae), collected at cowsheds in the southern part of the Republic of Korea	Kim, H.C., Bellis, G.A., Kim, M.-S., Chong, S.-T., Lee, D.-K., Park, J.-Y., Yeh, J.-Y., Klein, T.A.	2012	Korean Journal of Parasitology 50 (2), pp. 127-131	0
Cercaria caribbae LVIII Cable, 1963 (Digenea: Cyathocotylidae) in the Republic of Korea and its surface ultrastructure	Han, E.-T., Park, J.-H., Chai, J.-Y.	2012	Korean Journal of Parasitology 50 (2), pp. 177-180	0

다운로드: 아티클의 피 인용건수, 참고문헌, 인용한 논문



# Affiliation profile



# Journal Analyzer

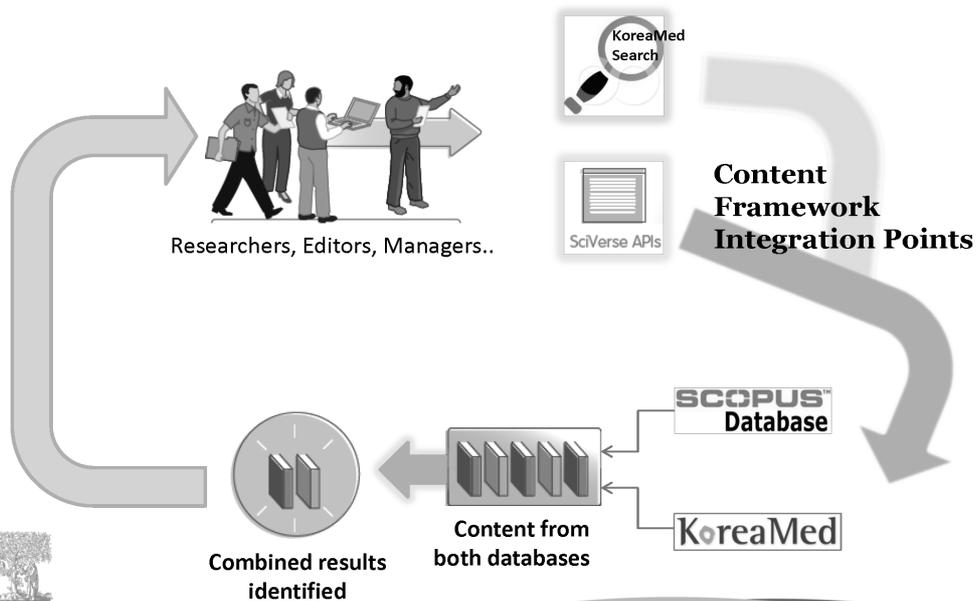




# Scopus: Integration



# KoreaMed-Scopus Integration



## Scope of KoreaMed-Scopus Integration



- Types or Degree of KoreaMed-Scopus Integration?
  - Where KoreaMed data appear within Scopus?
    - Separate display tab, separate results
    - Combined results, separate tabs
    - Combined results, on main result tab

The image shows two side-by-side screenshots. On the left is the SciVerse Scopus search interface, featuring a search bar, filters for Date Range, Document Type, and Subject Areas, and a search button. On the right is the KoreaMed website, which includes a search bar, navigation links, and a list of services such as 'Enter one or more search terms' and 'Enter author names as Jang YS. Initials are optional'.

## Integration as Selected Sources – SciVerse Hub result



The image shows a screenshot of the SciVerse Hub search results for the query 'stem cell'. The results are displayed in a list format, with the first five results visible. The first result is 'NIH Stem Cell Information Home Page', followed by 'NIH Human Embryonic Stem Cell Registry [ Stem Cell Information]', 'NIH Human Embryonic Stem Cell Registry [ Stem Cell Information]', 'Stem Cell Basics [ Stem Cell Information]', and 'Stem Cell Basics [ Stem Cell Information]'. A sidebar on the left contains filters for 'Content Sources' (Scopus, ScienceDirect, Patent Offices, MEDLINE / PubMed, Nature Publishing G...) and 'Keyword' (stem cell research, embryonic stem, embryonic, embryonic stem cells).

# Integration as part of Detail Result Page

Korean Journal of Parasitology

Volume 32, Issue 3, September 1994, Pages 195-200

## Occurrence of tertian malaria in a male patient who has never been abroa

Chai, I.H., Lim, G.I., Yoon, S.N., Oh, W.I., Kim, S.J., Chai, J.Y.

Department of General Internal Medicine, Capital Armed Forces General Hospital, Seoul, Korea.

### Abstract

Malaria is estimated to have a worldwide incidence of more than 100 million clinical cases and approximately 1 million deaths annually. Tertian malaria (Plasmodium vivax), has been considered free from malaria as since 1984. Recently, however, we experienced an indigenous case of P. vivax infection in a young man who had never been abroad. He was a Korean soldier with 18-day history of recurrent fever and chill lasting 4 to 8 hours on alternative days since his return from a military barracks located in Paju-gun, Kyonggi-do on June 1992, and had never been abroad nor parenteral use of drugs. The peripheral blood smears showed typical ring forms, trophozoites, and gametocytes. After confirmation of the diagnosis, he was treated with hydroxychloroquine and primaquine. No parasites were seen after treatment. It is not certain whether the present case is due to a resurgence of indigenous malaria or a secondary source of infection. The domestic occurrence of malaria cycle in Korea should be a warning sign in public health point of view.

### Indexed Keywords

**EMTREE medical terms:** adult; article; case report; disease transmission; human; Korea; malaria; male; travel

**MeSH:** Adult; Case Report; English Abstract; Human; Korea; Malaria; Vivax; Male; Travel

### Related documents

Showing the 2 most relevant related documents by all shared references:

Van Dyke, N.  
**Twenty years of university report cards (2005) Higher Education in Europe**

Aldashev, G., Platteau, J.-P., Wahhaj, Z.  
**Legal reform in the presence of a living custom: An economic approach (2011) Proceedings of the National Academy of Sciences of the United States of America**

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### More By These Authors

The authors of this article have a total of 10 records in Scopus: (Showing 5 most recent)

**Multicriteria ranking using weights which minimize the score range**

(2010) Lecture Notes in Economics and Mathematical Systems

# Scopus result - Provide citation information from KoMCI



### Abstract

In order to compare their inherent flame retardancy and thermal stability, two phosphorus-containing thermotropic liquid crystalline copolyesters (P-TLCP) were synthesized by melting transesterification. Additionally based on the facts that the P-TLCP can work as a functional additive to enhance the flame retardancy and mechanical property of PET, we further studied the flame retardant mechanism. Scanning Electronic Microscope (SEM) observations show that the char from PET/P-TLCP is more compact, therefore more efficiently resists fire and heat attack than pure PET. Moreover, Fourier Transform Infrared Spectroscopy (FTIR) measurements of evolved gas indicate that P-TLCP decomposes to produce phosphorus-containing small molecular compounds during the pyrolysis process, such that P-TLCP could play a flame retardant role in vapour phase. Furthermore, P-TLCP strongly inhibits the generation of combustible compounds in the pyrolysis of PET, which also helps to resist fire propagation. © 2008 Elsevier Ltd. All rights reserved.

### Language of original document

English

### Author keywords

Fire retardant; PET; TG-FTIR; Thermotropic liquid crystal copolymer

### Index Keywords

**Engineering controlled terms:** ABS resins; Chemical reactions; Fire fighting equipment; Flame retardants; Fourier transform infrared spectroscopy; Fourier transforms; Infrared spectroscopy; Light sources; Liquid crystals; Mechanical properties; Mechanisms; Phosphorus; Polymer blends; Polymers; Positron emission tomography; Powders; Pyrolysis; Spectroscopic analysis; Thermotropic liquid crystals  
**Engineering uncontrolled terms:** Copolyesters; Electronic microscopes; Evolved gases; Fire propagations; Fire retardant; Flame retardancy; Fourier transform infrared; Functional additives; Molecular compounds; PET; Pyrolysis processes; TG-FTIR; Thermal stabilities  
**Engineering main heading:** Flammability

### References (14)

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- Cheng, S.Z.D., Zhang, A., Johnson, R.L., Yu, Z., Yu, M.H.  
Kinetics of mesophase transitions in thermotropic copolyesters. 3. Poly[phenyl-p-phenylene terephthalate]-co-[1-phenylethyl-p-phenylene terephthalate] copolyester (1990) *Macromolecules*, 23 (4), pp. 1195-1202. Cited 23 times.  
[View at publisher](#)
- Song, J.-K., Yun, Y.-K., Jin, J.-I.  
Synthesis and Characterization of a Series of Wholly Aromatic Copolyesters Containing 2-(p-Phenylisopropyl)hydroquinone Moiety (1999) *Journal of Polymer Science, Part A: Polymer Chemistry*, 37 (2-7), pp. 851-859. Cited 13 times.  
[View at publisher](#)
- Wang, Y.-Z., Chen, X.-T., Tang, X.-D.  
Synthesis, characterization, and thermal properties of phosphorus-containing, wholly aromatic thermotropic copolyesters (2002) *Journal of Applied Polymer Science*, 86 (5), pp. 1278-1284. Cited 31 times.  
doi: 10.1002/app.11138  
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# Integrated as Part of Main Results Page

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Document results: 3,287 | Show all abstracts | Go to page: 1 of 165 | Go | Next

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2 Pharmacological studies with endogenous enhancer substances: beta-phenylethylamine.

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Document title	Author(s)	Date	Source title	Citations
1 Simultaneous determination of eight underivatized biogenic amines in fish by solid phase extraction and liquid chromatography-tandem mass spectrometry	Sagrati, O., Fernández-Franzón, M., De Berardinis, F., Fort, G., Vittori, S., Maries, J.	2012	Food Chemistry 132 (1), pp. 537-543	0

View at publisher | Full Text | Show abstract | Related documents

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Related citations

Phenylethylamine and phenylacetic acid in CSF of schizophrenics [Arch Psychiatr Neurol. 1993]

Phenylacetic acid excretion in schizophrenia and depression: the origins of [Biol Psychiatry. 1994]

Review Biochemistry and the schizophrenia. Old concepts and new hypoth [J Nerv Ment Dis. 1991]

Review Phenylethylamine in neuropsychiatric disorders. [Gen Pharmacol. 1983]

Review Phenylethylamine modulation of affect: therapeutic ar [J Neuropsychiatry Clin Neurosc. ...]

See reviews... See all...

Cited by 3 PubMed Central articles

Convergent patterns of association between phenylalanine [Am J Med Genet B Neuropsychiat. ...]

Review Trace amine-associated receptor 1-Family archetype or ico [Pharmacol Ther. 2007]

Trace amines: identification of a family of mammalian G [Proc Natl Acad Sci U S A. 2001]

Abstract

1. The evidence that phenylethylamine (PEA) plays a role in the etiology of schizophrenia is reviewed. 2. PEA shares structural and physiological similarities with the amphetamines, the administration of which can induce a schizophrenia-like psychosis. 3. While there are a number of reports of high urinary PEA excretion in schizophrenic patients, the measurement of PEA in other body fluids and the measurement of phenylacetic acid (the major metabolite of PEA) has resulted in inconsistent findings. 4. The use of neuroleptic medication is a major confounding variable in most of the clinical studies. If PEA does have a role in the etiology of schizophrenia, the mechanism may involve PEAs ability to amplify dopamine responses.

PMD: 7306996 [PubMed - indexed for MEDLINE]

Publication Types, MeSH Terms, Substances

LinkOut - more resources

# Scopus: Next step



# Scopus next step



## CONTENT



Books



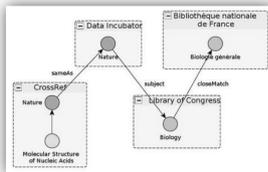
Arts & Humanities

### Acknowledgment

The authors would like to acknowledge the support from the Canadian Agency for Drugs and Technology in Health (CADTH) for their support and advice on this project. They provided comments regarding the study design but had no role in the collection, analysis and interpretation of data; writing the manuscript or with the decision to submit the manuscript for publication.

Acknowledgments

## INTEGRATION



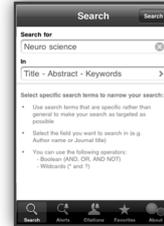
Current Research Information Systems



Discovery services



## TECHNOLOGIES



Mobile

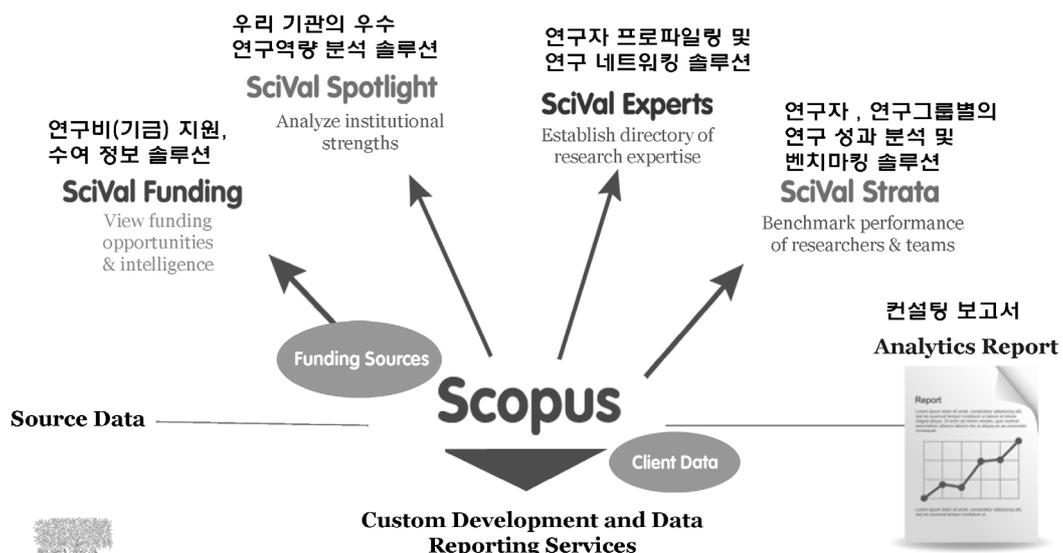


Applications

API services



# Scopus → SciVal Suite



## Summary



- KAMJE 저널의 Scopus 등재
  - 국제적인 저널 평가기준 통과하여 한국 의학저널의 위상강화
  - 저널의 가시성, 접근성 향상
  
- KoreaMed – Scopus 플랫폼 통합
  - KoreaMed 인지도 및 접근성 향상
  - KoreaMed 등재 아티클의 피인용도 향상 기대

### Medical journals in Scopus

Source Title (CSA excl.) (Medline-sourced journals are indicated in Green). Including Conference Proceedings available in the scopus.com	Print-ISSN
Source Browse list	
Archives of Pharmacal Research	02536269
Experimental and Molecular Medicine	12263613
Korean Journal of Parasitology	00234001
Journal of Asia-Pacific Entomology	12268615
International Journal of Bio-Science and Bio-Technology	22337849
Asian-Australasian Journal of Animal Sciences	10112367
Journal of Korean Neurosurgical Society	12258245
Allergy, Asthma and Immunology Research	20927355
Biotechnology and Bioprocess Engineering	12268372
Korean Journal for Food Science of Animal Resources	12258563
Journal of Plant Biology	12269239
Journal of the Korean Society of Food Science and Nutrition	12263311
Korean Journal of Physiology and Pharmacology	12264512
Korean Journal of Microbiology and Biotechnology	1598642X
Food Science and Biotechnology	12267708
Korean Journal of Pharmacognosy	02533073
Biomolecules and Therapeutics	19769148
Journal of Breast Cancer	17386756
Journal of Ecology and Field Biology	1975020X
Korean Journal of Laboratory Medicine	15986535
Korean Journal of Microbiology	04402413
Natural Product Sciences	12263907
Psychiatry Investigation	17383684
BMB reports	19766696
Animal Cells and Systems	19768354
Genes and Genomics	19769571
Ocean and Polar Research	1598141X

Korea Journals in Scopus: 150 Titles  
 Korea Medical Journals in Scopus: 84 Titles  
 KAMJE Journals: 66 Titles



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장현주

TEL: 02-6714-3102

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