





OPEN ACCESS PUBLICATION OF UNIVERSITI SAINS MALAYSIA: A BIBLIOMETRIC ANALYSIS

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Reference + Research Division

INTRODUCTION



OPEN ACCESS PUBLICATION OF

UNIVERSITI SAINS MALAYSIA: A BIBLIOMETRIC ANALYSIS

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INTRODUCTION

According to OA philosopher, 'open access is digital, online, and free of most copyright and licensing restrictions' (Suber, 2012)

Open access (OA) journals began in the 1990s (Mashroofa & Senewiratne, 2016), has changed the landscape of scholarly publishing and has been vastly developed since 2002

> OA publications is to remove access barriers and enable readers to access it free of cost. It gives authors and their works more visibility, readership and citations, and thereby increase impact of their research

(Mashroofa & Senewiratne, 2016)

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RESEARCH OBJECTIVES

To identify the research productivity of USM authors with regard to publishing in OA journals.



PERPUSTAKAAN

To identify the cost involved in publishing with OA journals. To explore the scientific impact of USM's OA publications.

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RESEARCH METHODOLOGY







UAM

The articles were published in open access journals by USM authors in SCOPUS

2013 – 2015



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RESEARCH METHODOLOGY



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Citation Impact



"OA articles receive higher citation rates"

(Lawrence, 2001, Bernius and Hanauske, 2009, Wang, 2015)

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Subject Coverage



"Coverage of OA journal related to science is bigger than non-science"

(Lawrence, 2001, Odlyzko, 2002, Kurtz, 2005, Harnad, 2004, Serrano-Vicente, 2016)

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LITERATURE REVIEW

"The largest open-access publishers — BioMed Central and PLoS — charge \$1,350–2,250 (RM5,670-RM9,450) to publish peer-reviewed articles in many of their journals"

Publishing Cost

(Van Noorden, 2013)

"whenever researchers want to publish an article in any journals listed in DOAJ; they would need to spend an average of USD904/MYR 3,797 for APC per paper"

(Solomon and Björk, 2012)

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LITERATURE REVIEW

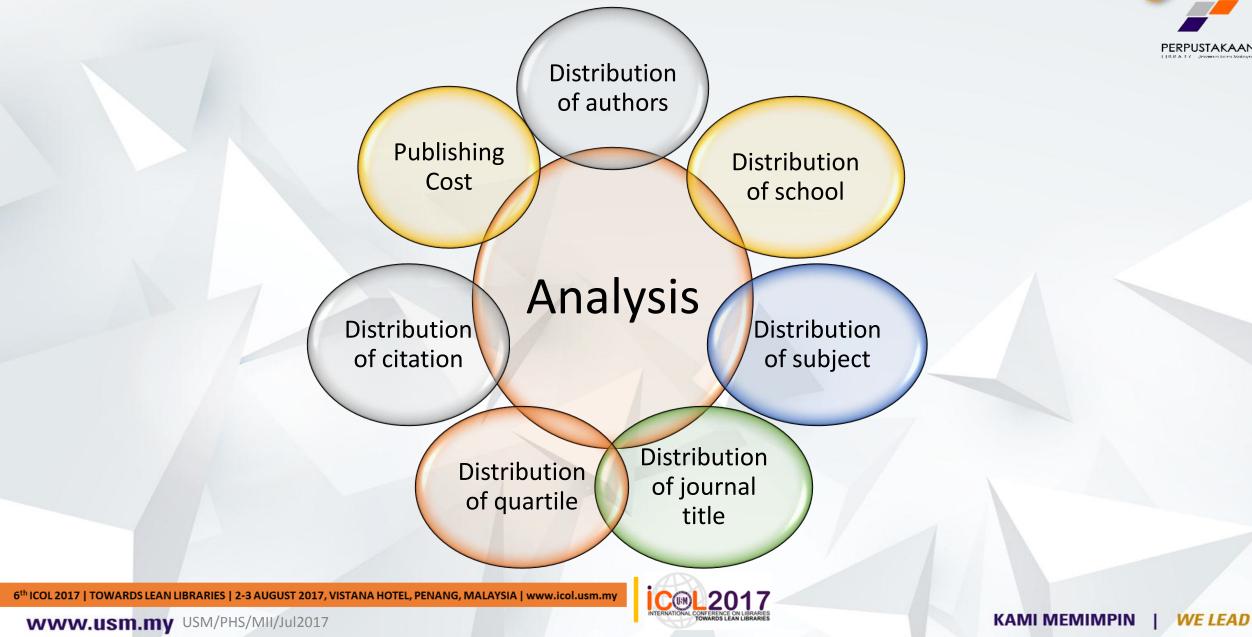
"Researchers also felt that the university ought to offer monetary support for its OA policy to acknowledge the university's commitment in supporting the publications become more visible"

Publishing Cost

(Teplitzky, 2016)

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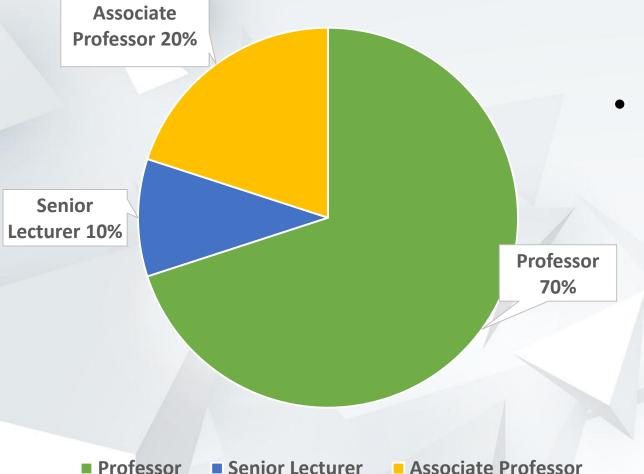
Distribution of Authors





Distribution of Authors





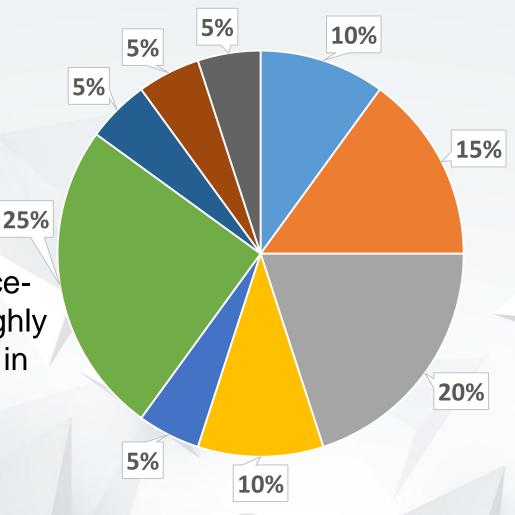
 The Professors dominated the OA publication among USM academic staffs and there is vast difference between the publications by Professors and Associate Professors.

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Distribution of Authors



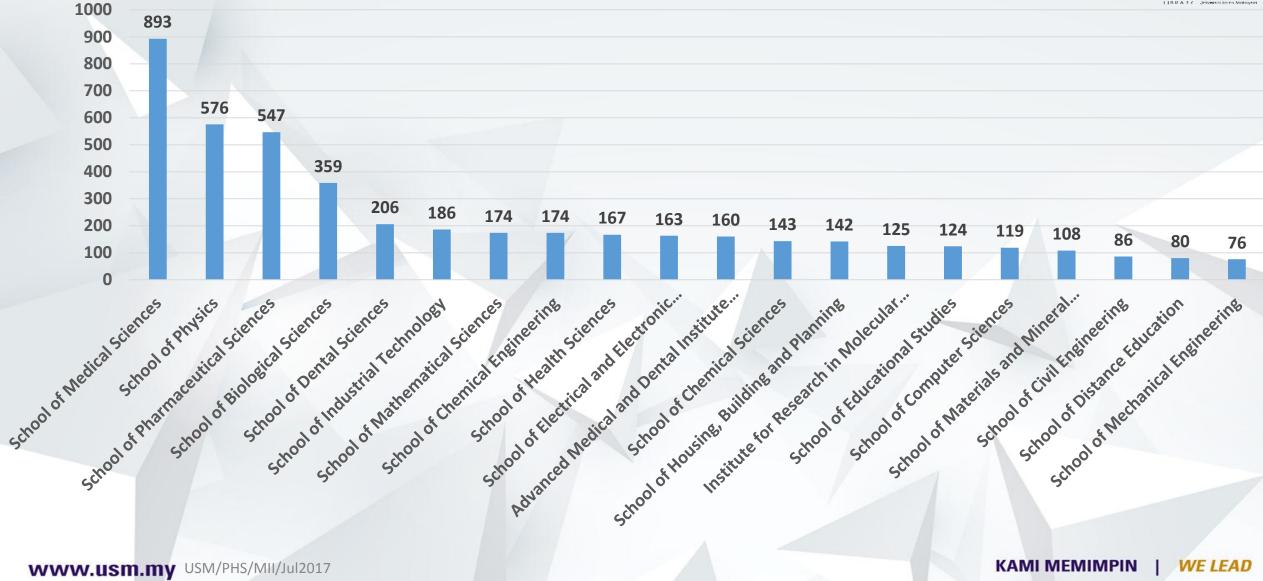
- Most in the top 20 authors coming from the School of Physics.
- The study found that sciencebased researchers were highly inclined towards publishing in OA as compared to nonscience researchers



- School of Chemical Engineering
- School of Pharmaceutical Sciences
- School of Physics
- School of Biological Sciences
- School of Dental Sciences
- School of Medical Sciences
- Centre for Global Archaeological Research
- School of Management

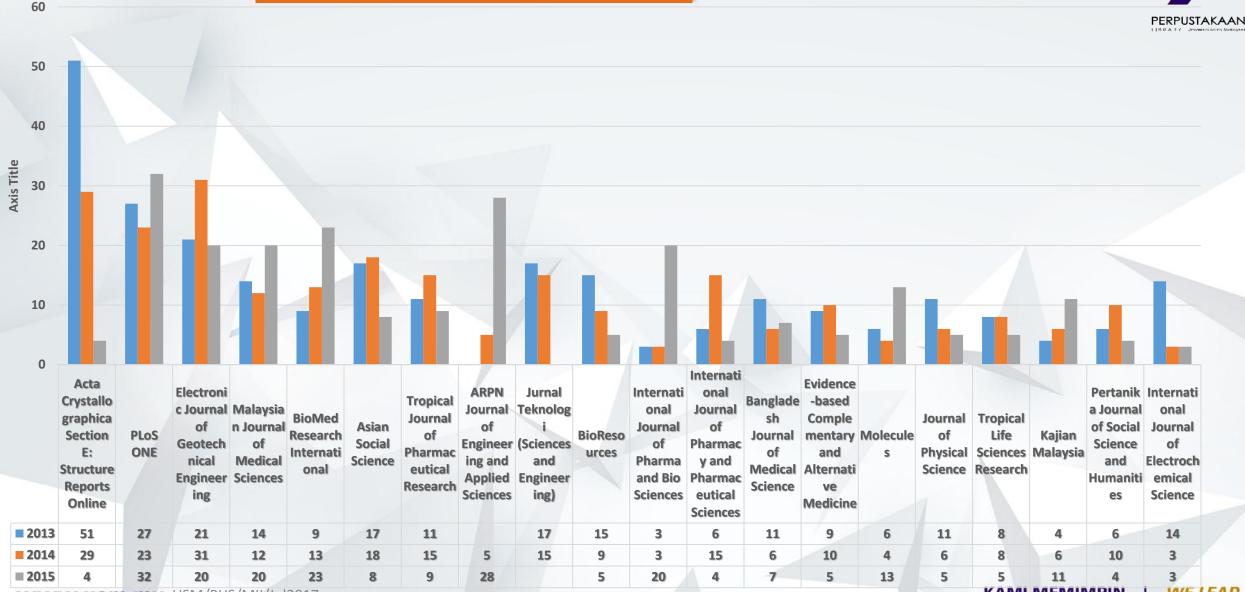
Distribution of Schools





Distribution of Subjects & Journal Titles



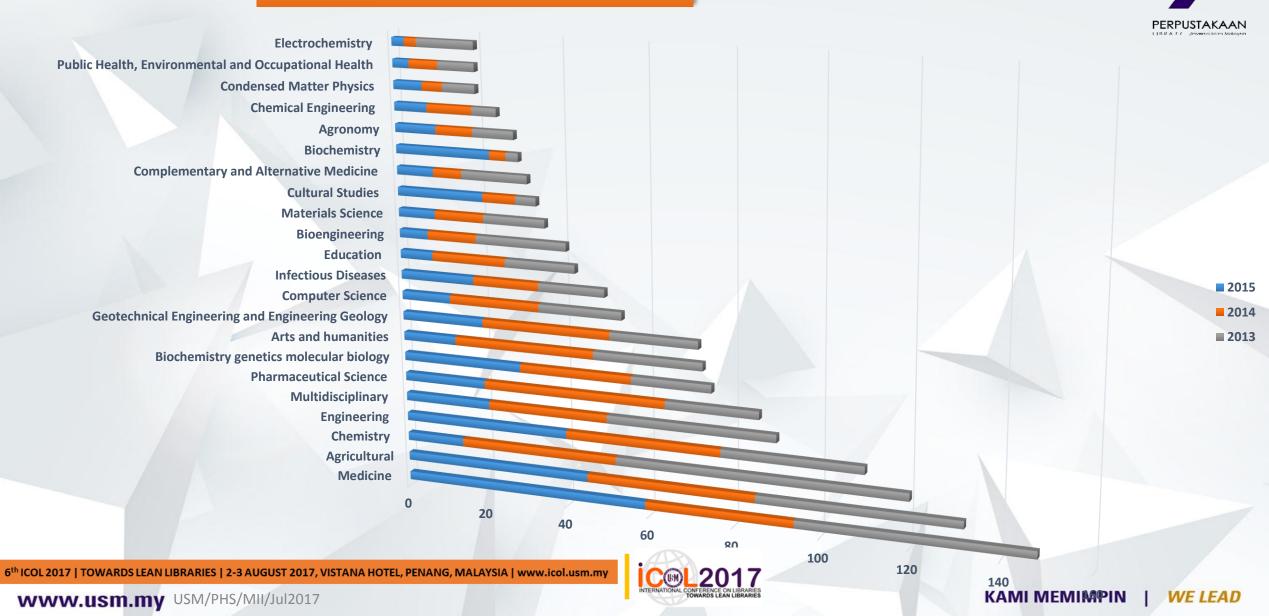


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Distribution of Subjects & Journal Titles



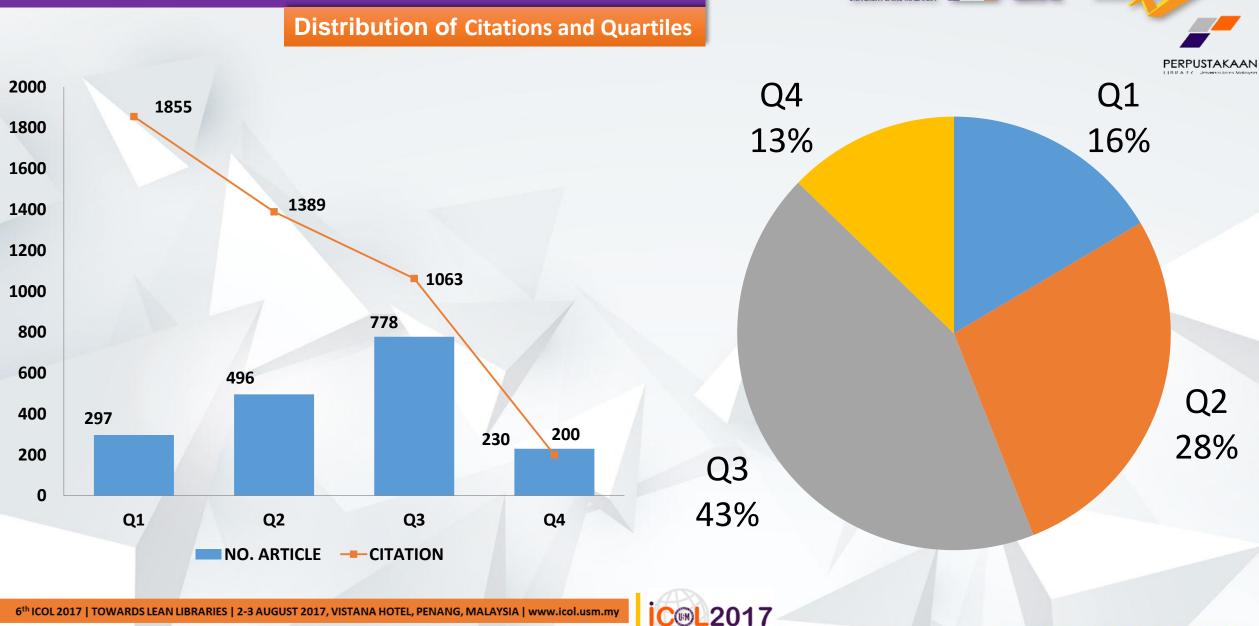
Distribution of Citations and Quartiles



QUARTILE (SCImago)	NO. ARTICLE	CITATION	AVERAGE CITATION PER ARTICLE	
QUARTILE 1	297	1855	6.25	
QUARTILE 2	496	1389	2.80	
QUARTILE 3	778	1063	1.37	
QUARTILE 4	230	200	0.87	

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Distribution of Citations and Quartiles



DATABASES	PUBLICATION	CITATION	CITATION PER ARTICLE	
SCOPUS	1801	4507	2.50	
wos	816	2426	2.97	
Google Scholar	1708	7449	4.36	

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		P	ublishing Cost						
	APC Model	APC Range (MYR)	Total Article Titles	Total APC (MYR)	Average APC For Each Article (MYR)				
	GOLD/HYBRID	9000 and above	143	1,368,371.32	9,569.03				
		6,000 to 8,999	294	2,146,283.98	7,300.29				
		3,000 to 5,999	132	574,353.69	4,351.16				
		1,000 to 2,999	344	561,276.9	1,631.61				
		1 to 999	352	192,764.09	547.63				
	GREEN	0	249	0.00	0.00				
		unknown	287	-	-				
		TOTAL	1,801	4,843,049.98	2,689.09				
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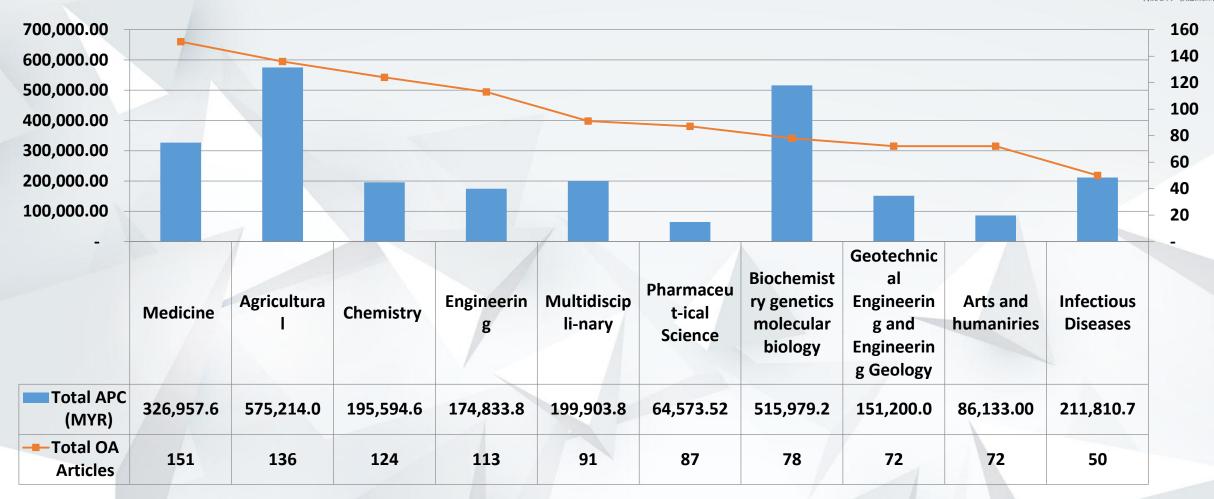
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Publishing Cost





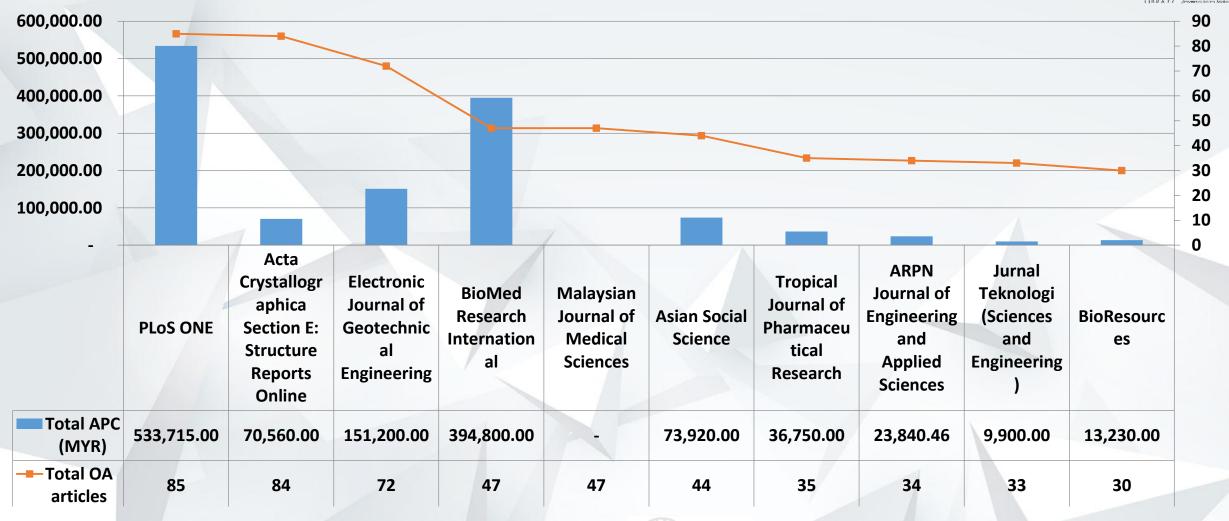
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Publishing Cost



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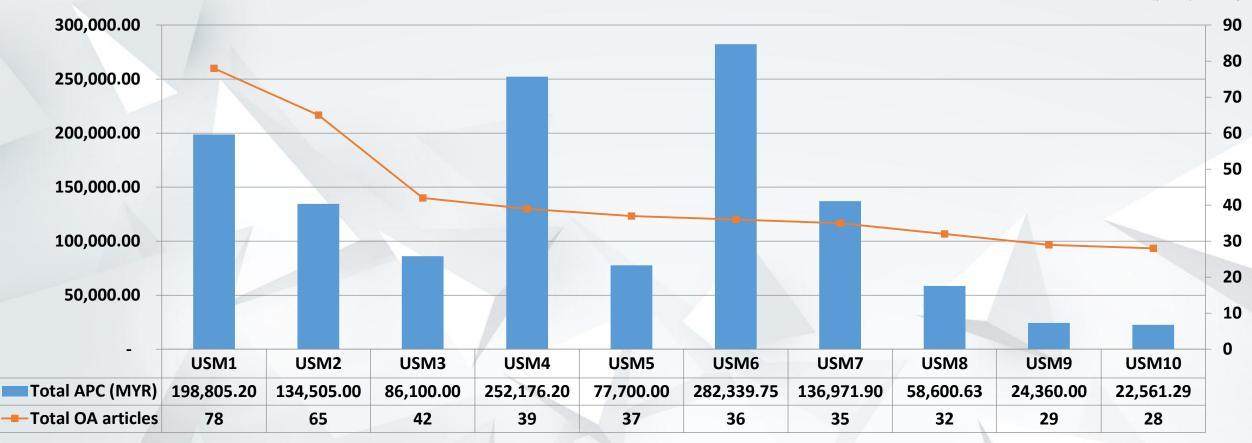
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Publishing Cost





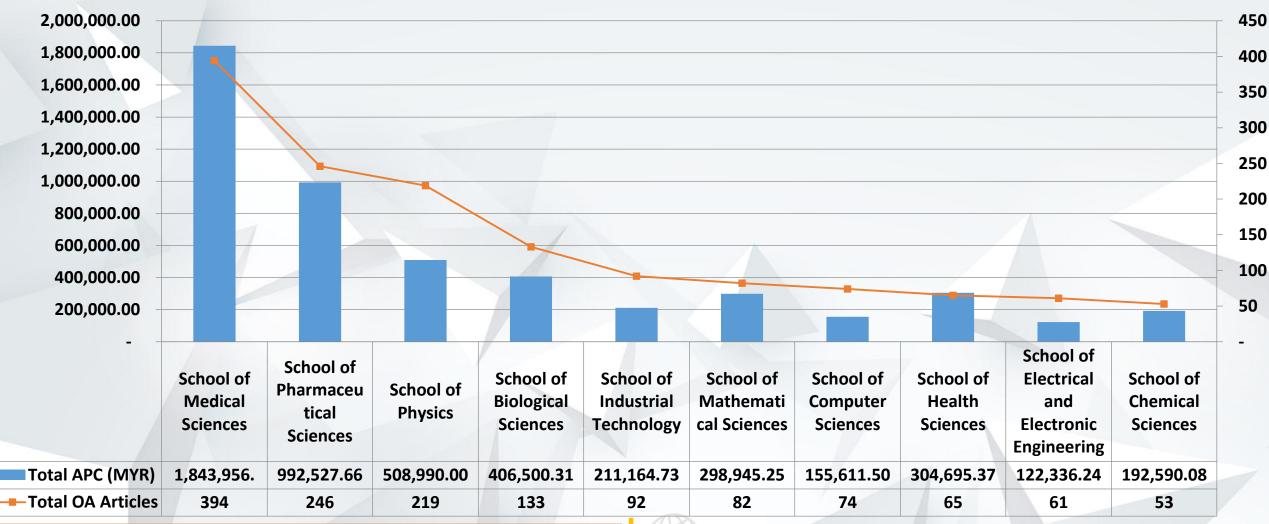
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RECOMMENDATIONS

Measure the social impact of USM publications

Deposit their 'preprint' and 'postprint' to Repository@USM

sponsored by public funder in OA journals and focusing on Q1 and Q2.

Providing dedicated funds

15% discount for APC Special Award to OA author

University has to promote OA in a number of ways such as

Recommendations

Further investigate the motivations of authors

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CONCLUSION

The study draws few conclusions that can **help and guide** USM authors



CONCLUSION

The study shows the optional to the researcher to choose whether open access or paid access in academic publication OA publication of USM **is growing** and it has made important contributions towards the growth of total publications

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Thank You



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