



PERPUSTAKAAN
UNIVERSITI SAINS MALAYSIA



OPEN ACCESS PUBLICATION OF UNIVERSITI SAINS MALAYSIA: A BIBLIOMETRIC ANALYSIS

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INTRODUCTION

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

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

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)

RESEARCH OBJECTIVES

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

To identify the cost involved in publishing with OA journals.

To explore the scientific impact of USM's OA publications.



1,801 articles

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

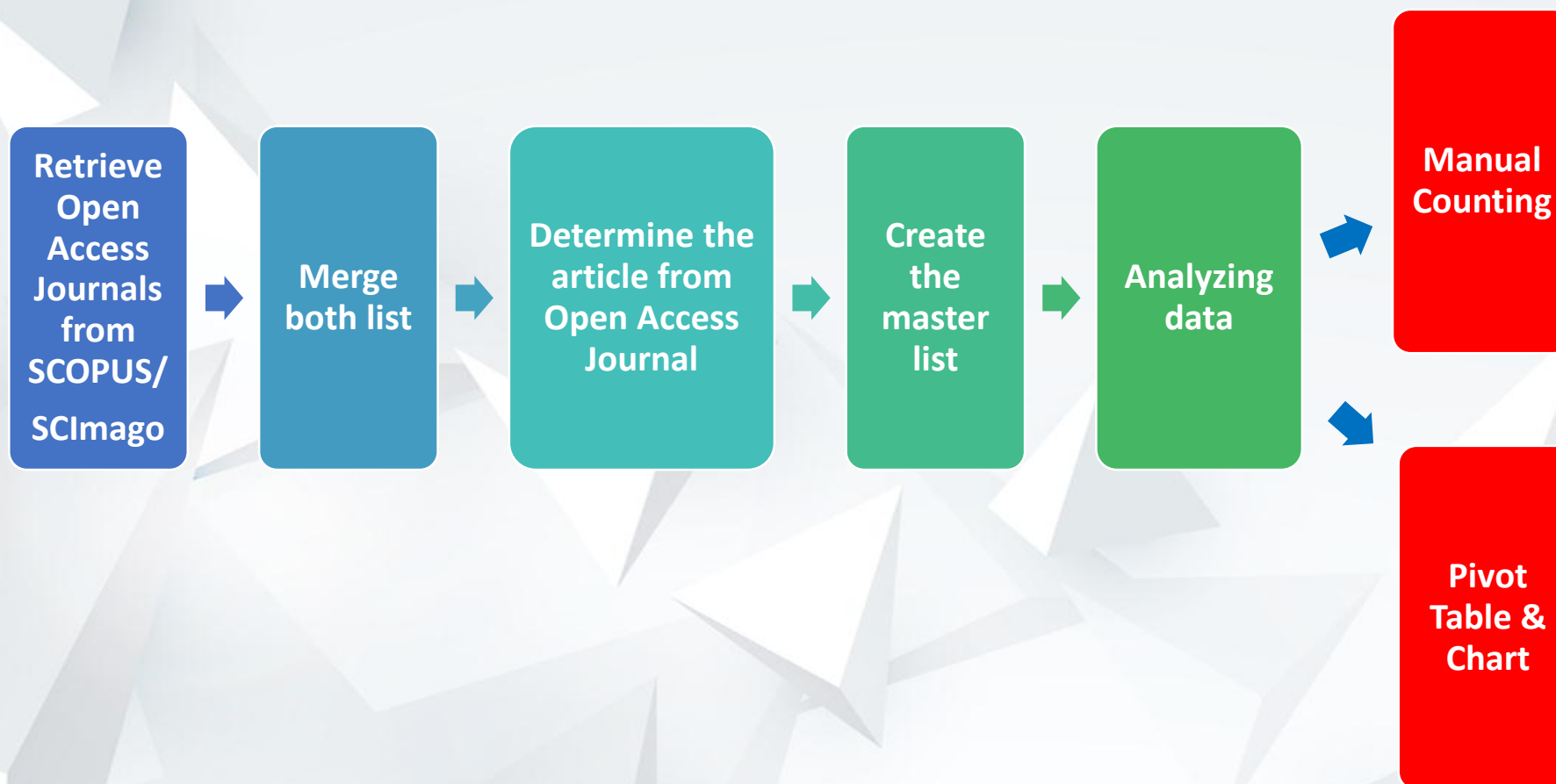


Scopus



2013 – 2015

RESEARCH METHODOLOGY



“OA articles receive higher citation rates”

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

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

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

Publishing Cost

“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”

(Van Noorden, 2013)

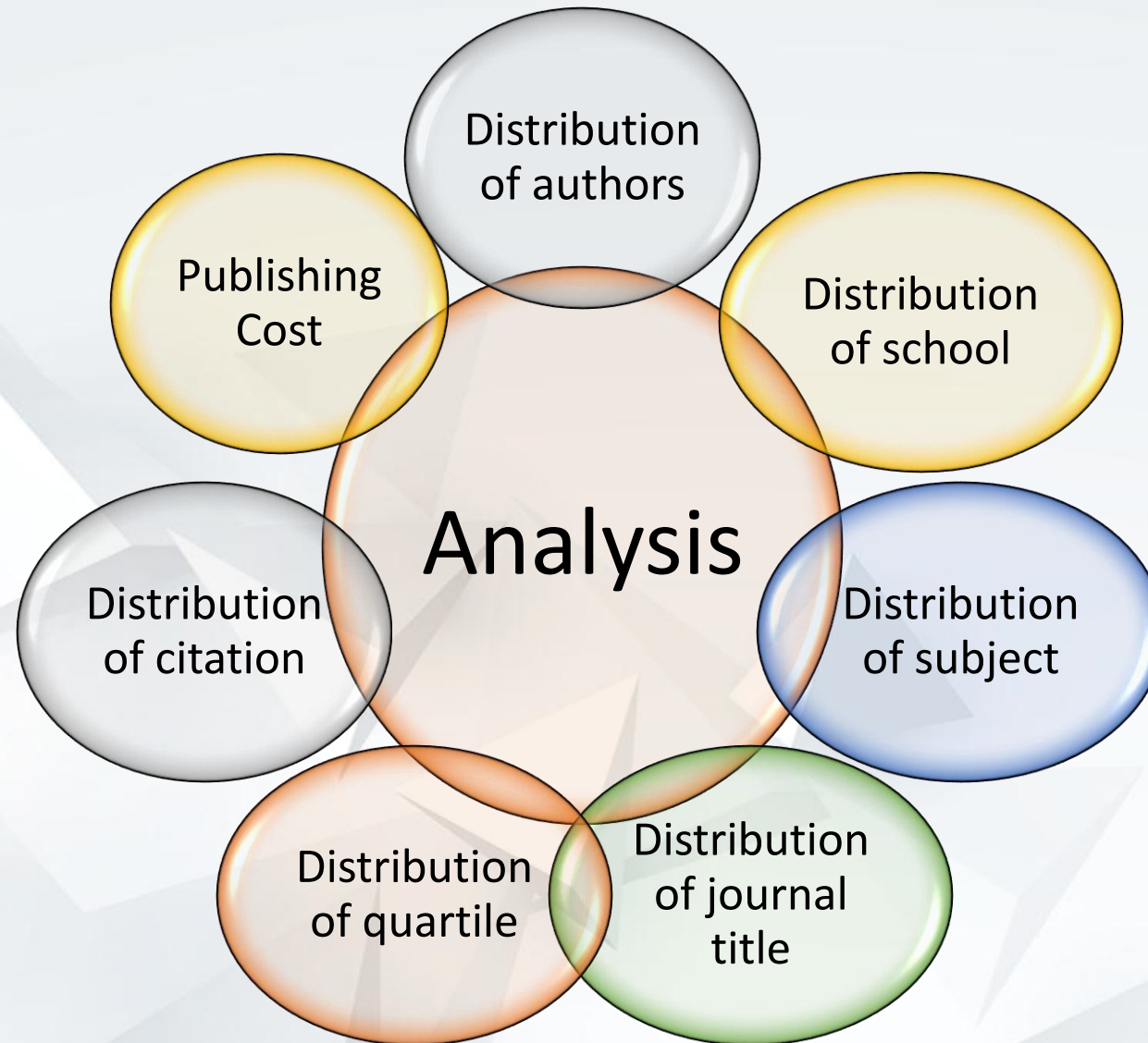
“whenever researchers want to publish an article in any journals listed in DOAJ; they would need to spend an average of USD904/MYR 3,797 for APC per paper”

(Solomon and Björk, 2012)

“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”

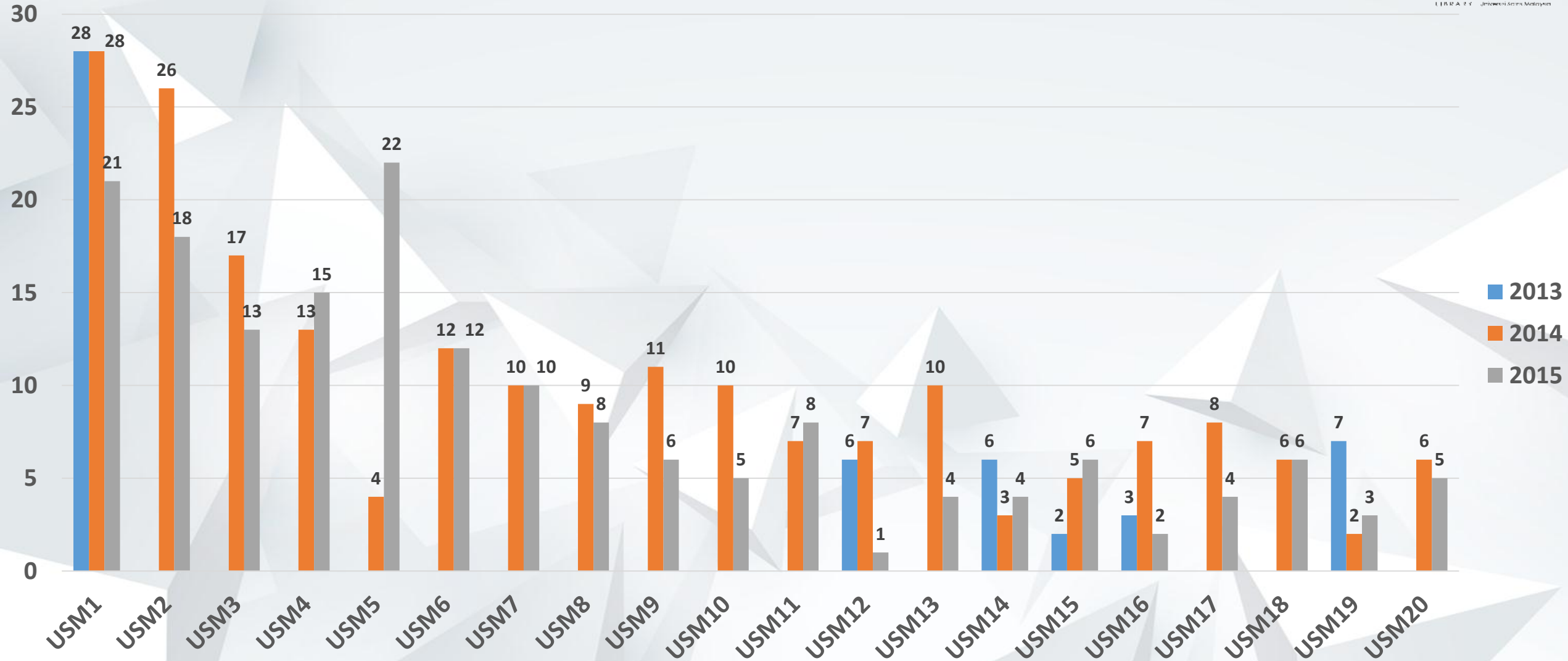
(Teplitzky, 2016)

FINDING AND DISCUSSION

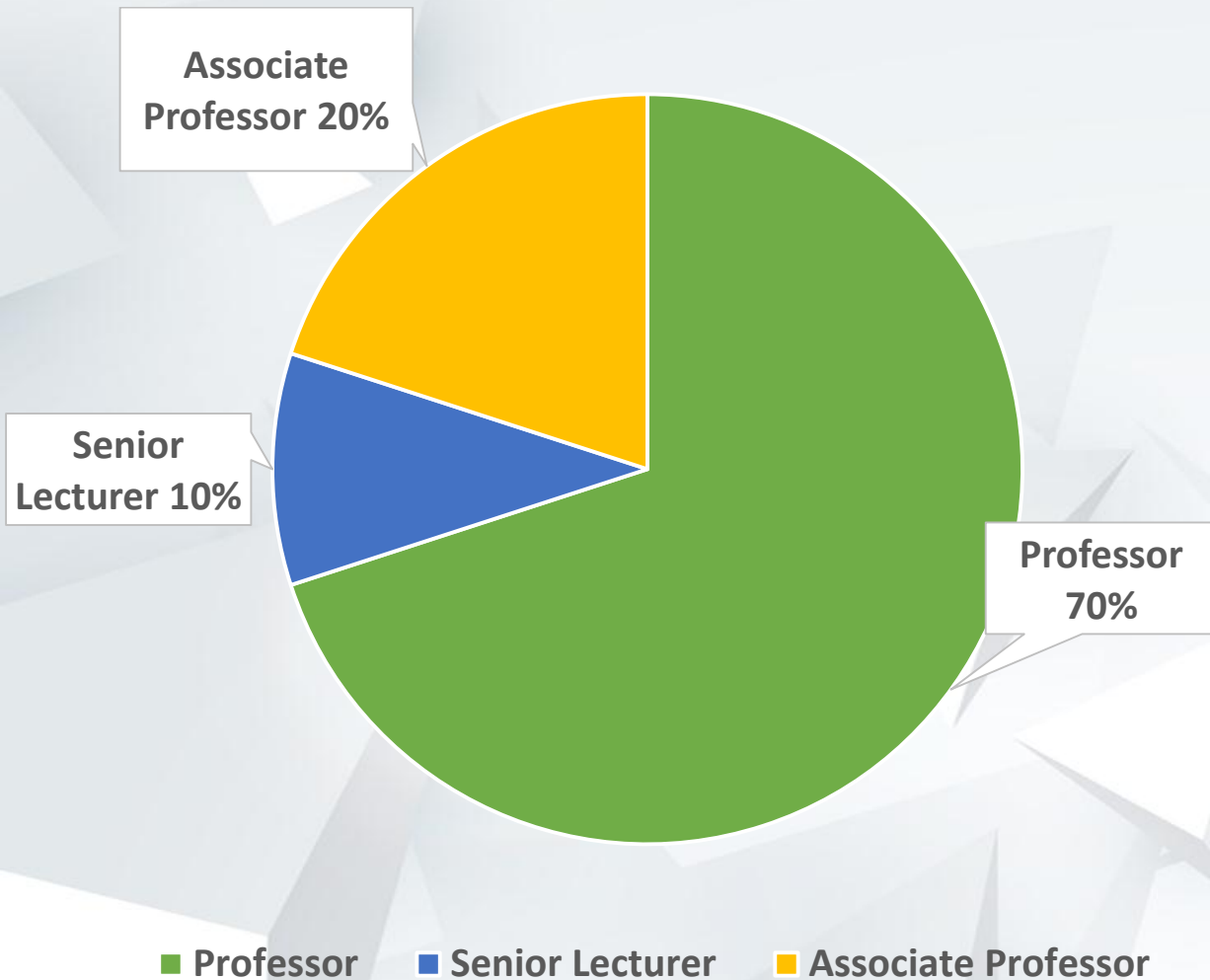


FINDING AND DISCUSSION

Distribution of Authors



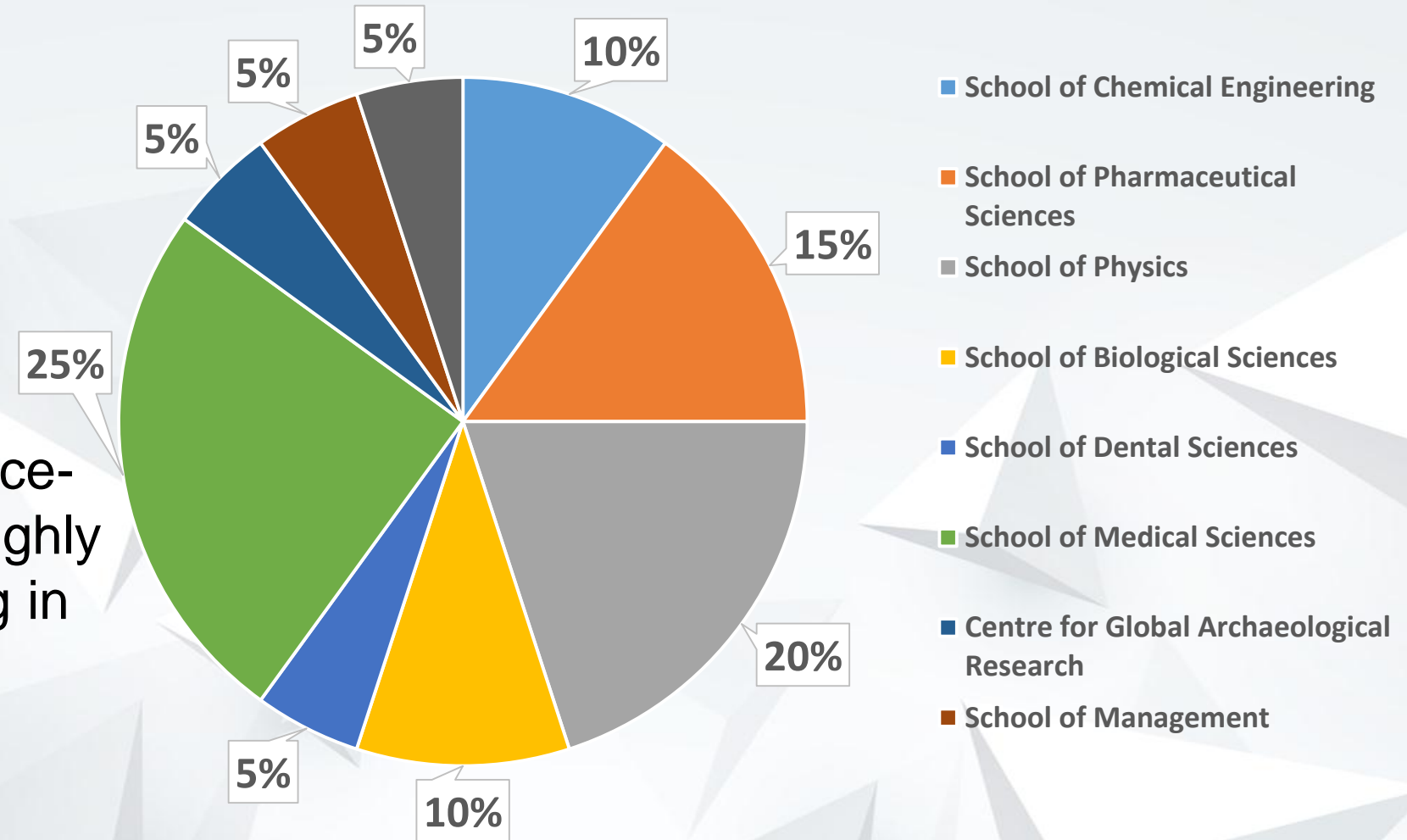
Distribution of Authors



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

FINDING AND DISCUSSION

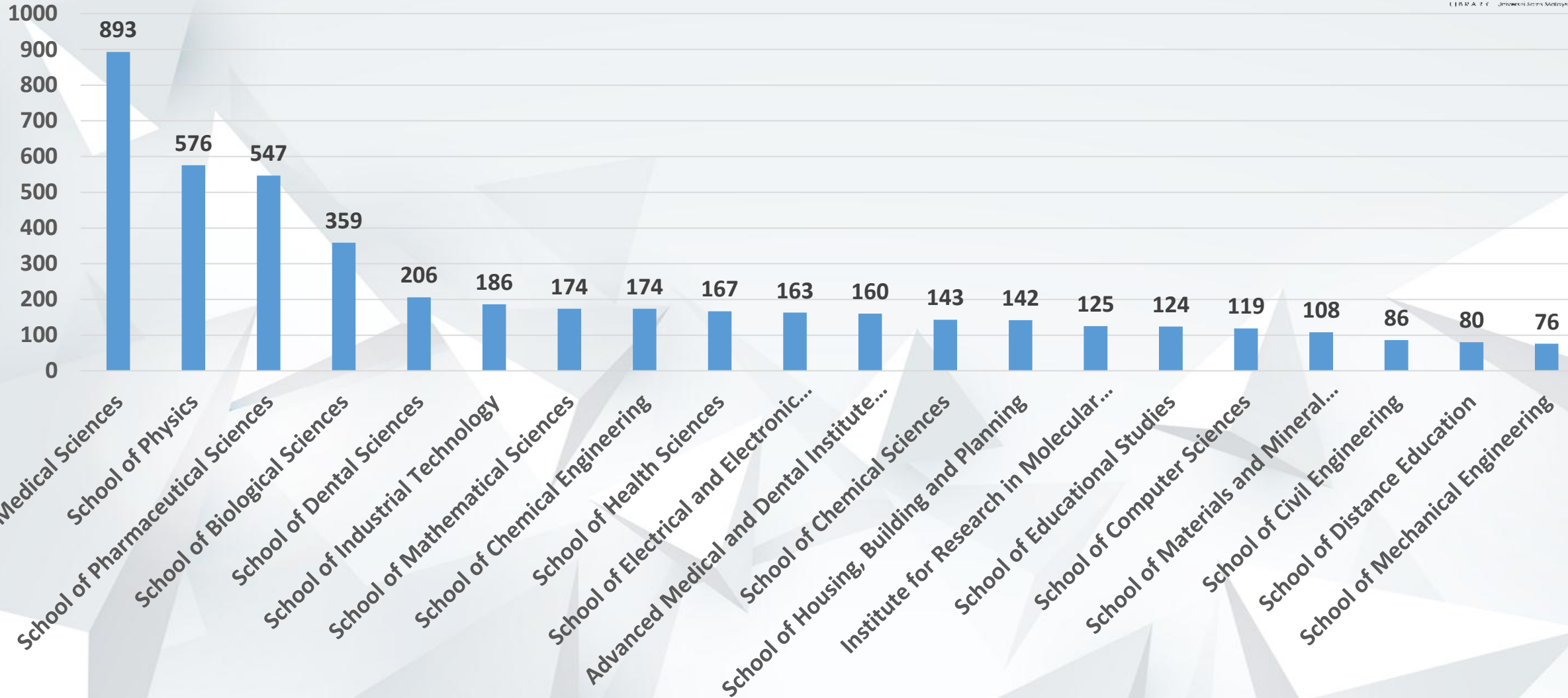
Distribution of Authors



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

FINDING AND DISCUSSION

Distribution of Schools



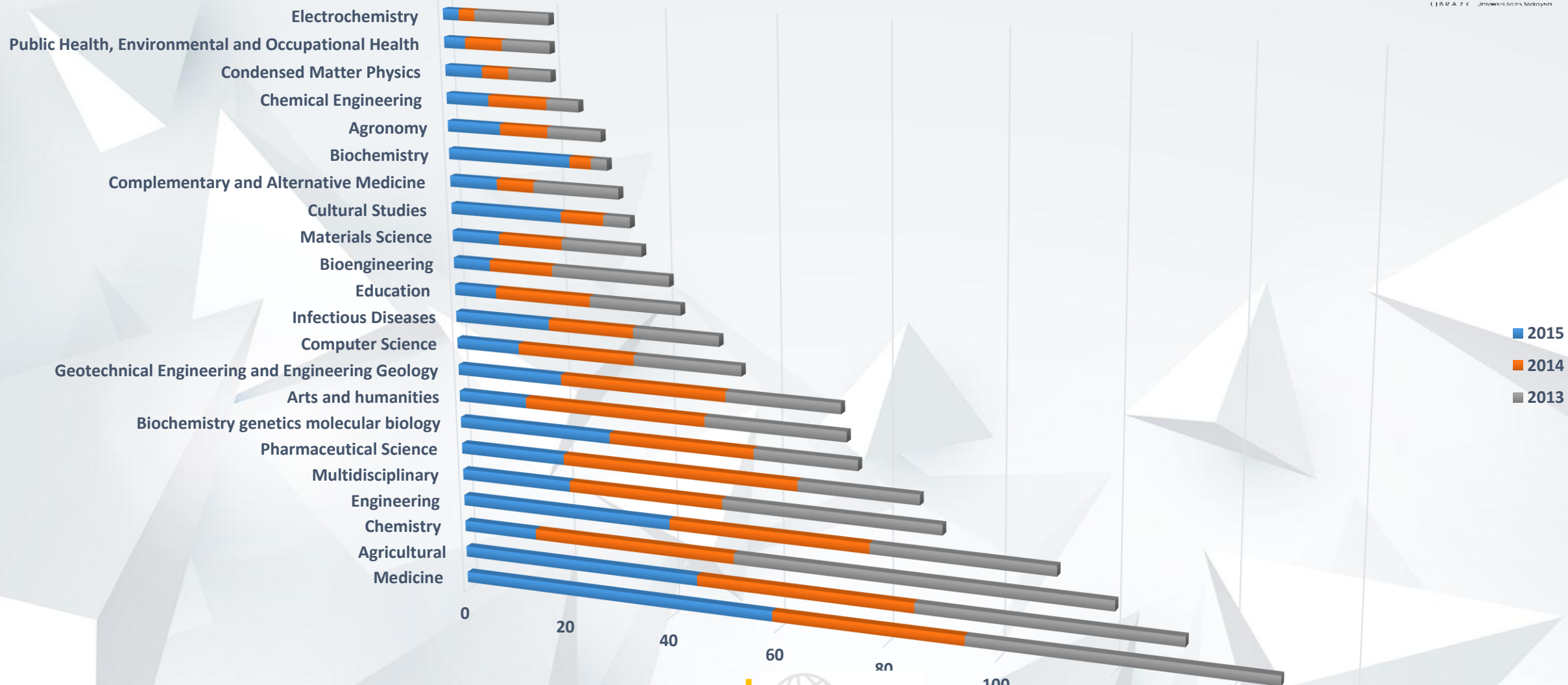
FINDING AND DISCUSSION

Distribution of Subjects & Journal Titles



FINDING AND DISCUSSION

Distribution of Subjects & Journal Titles



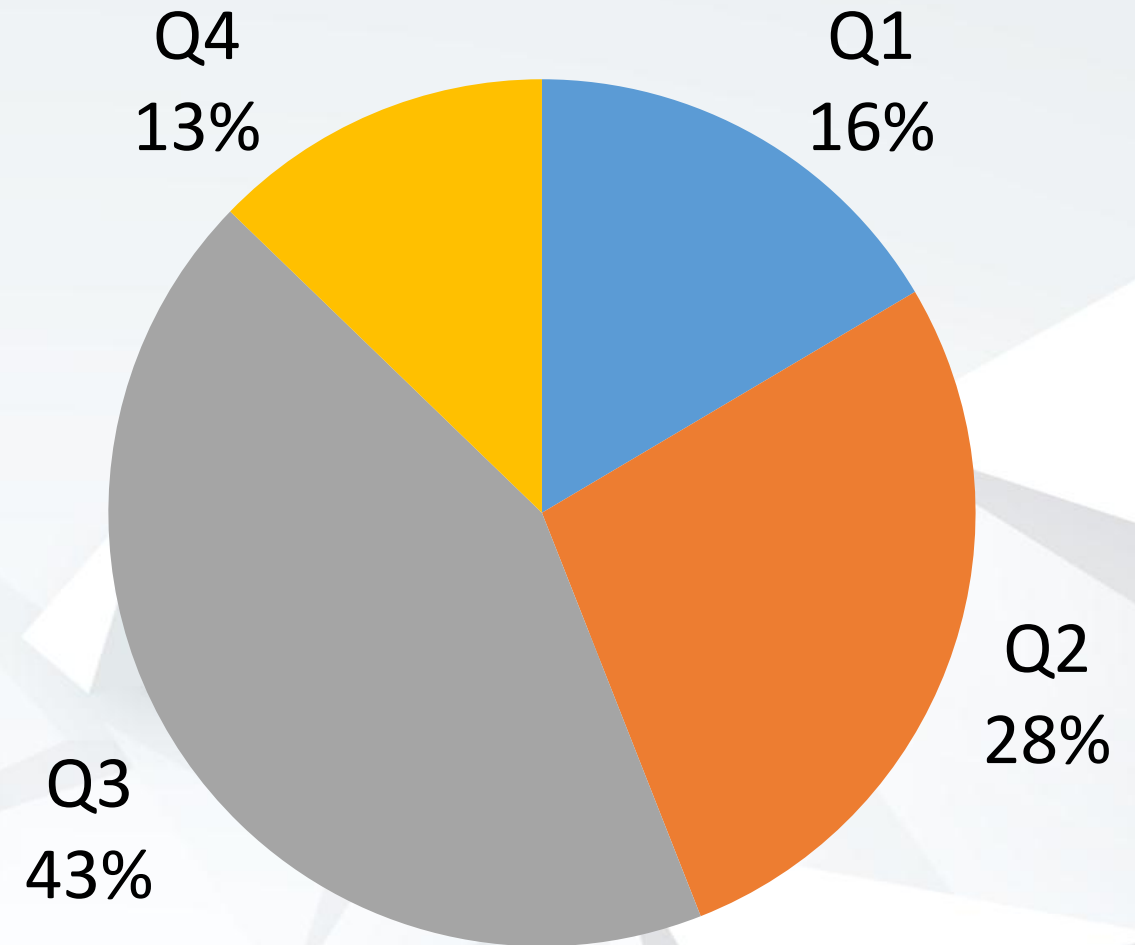
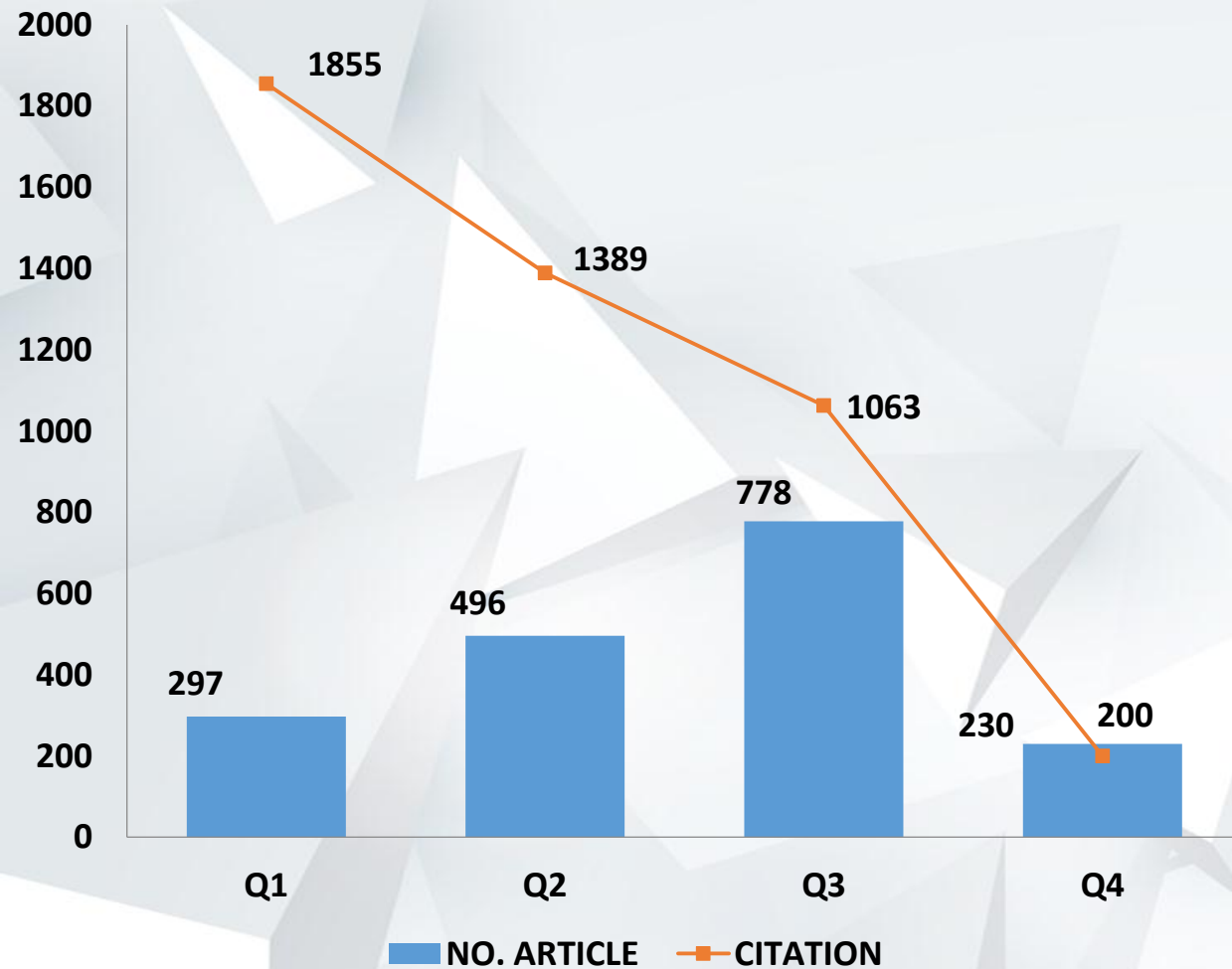
FINDING AND DISCUSSION

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

FINDING AND DISCUSSION

Distribution of Citations and Quartiles



FINDING AND DISCUSSION

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

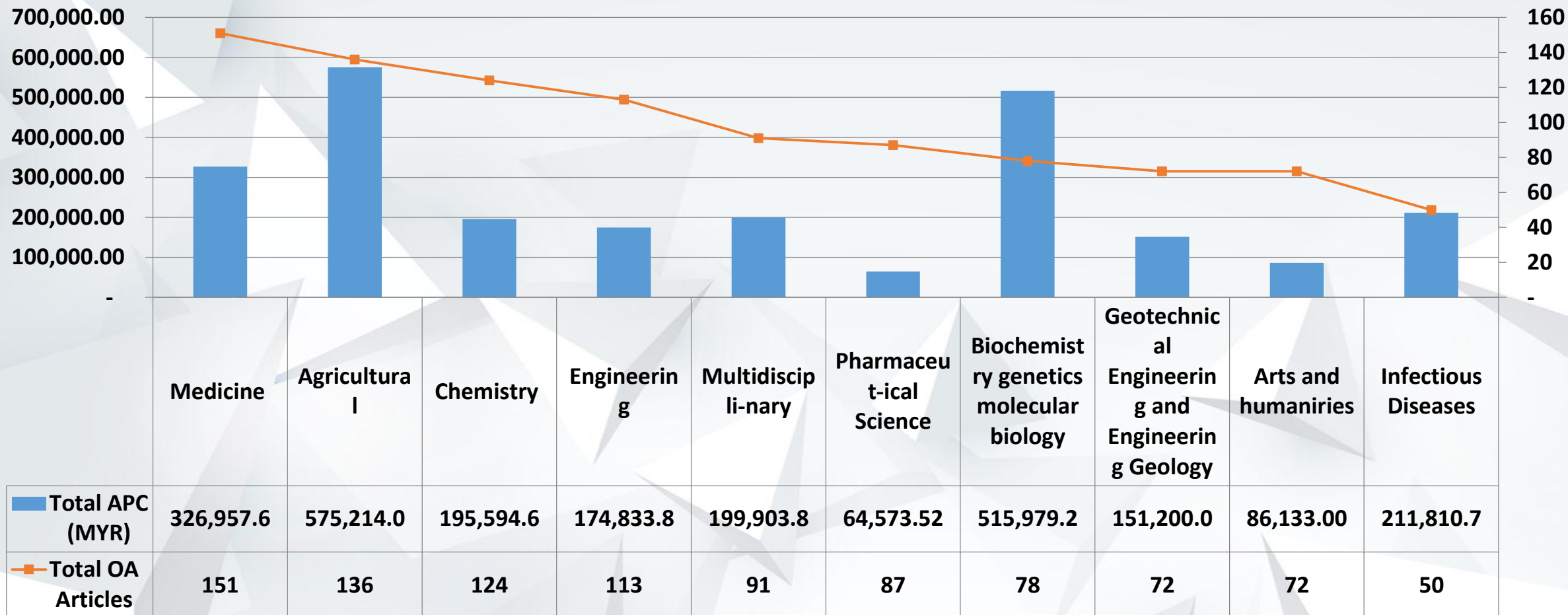
FINDING AND DISCUSSION

Publishing 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

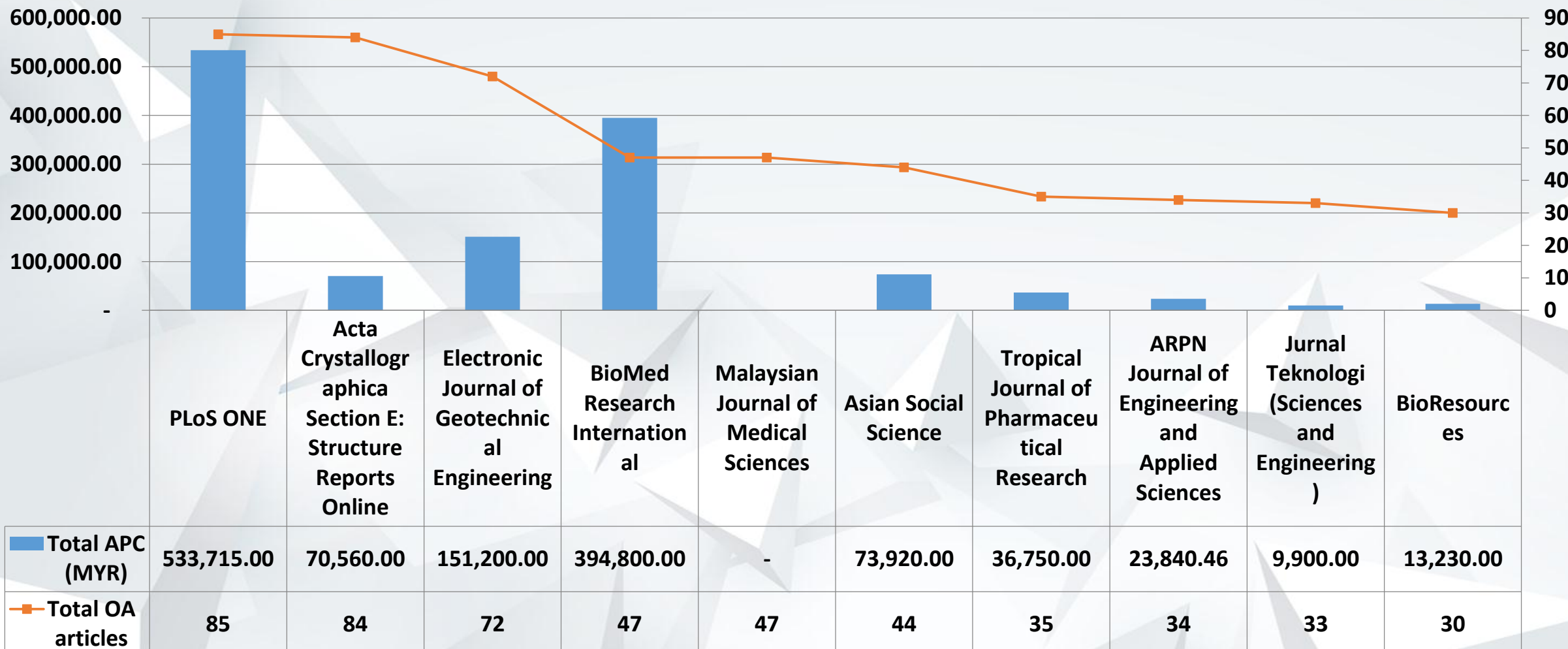
FINDING AND DISCUSSION

Publishing Cost



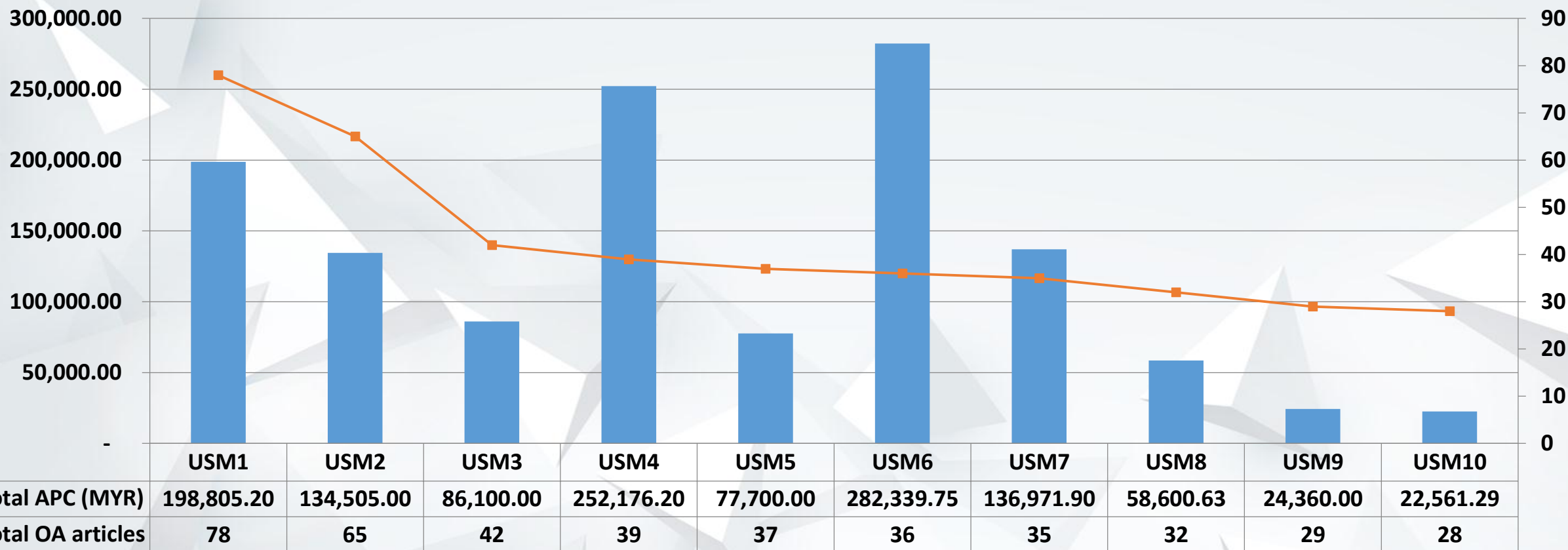
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Publishing Cost



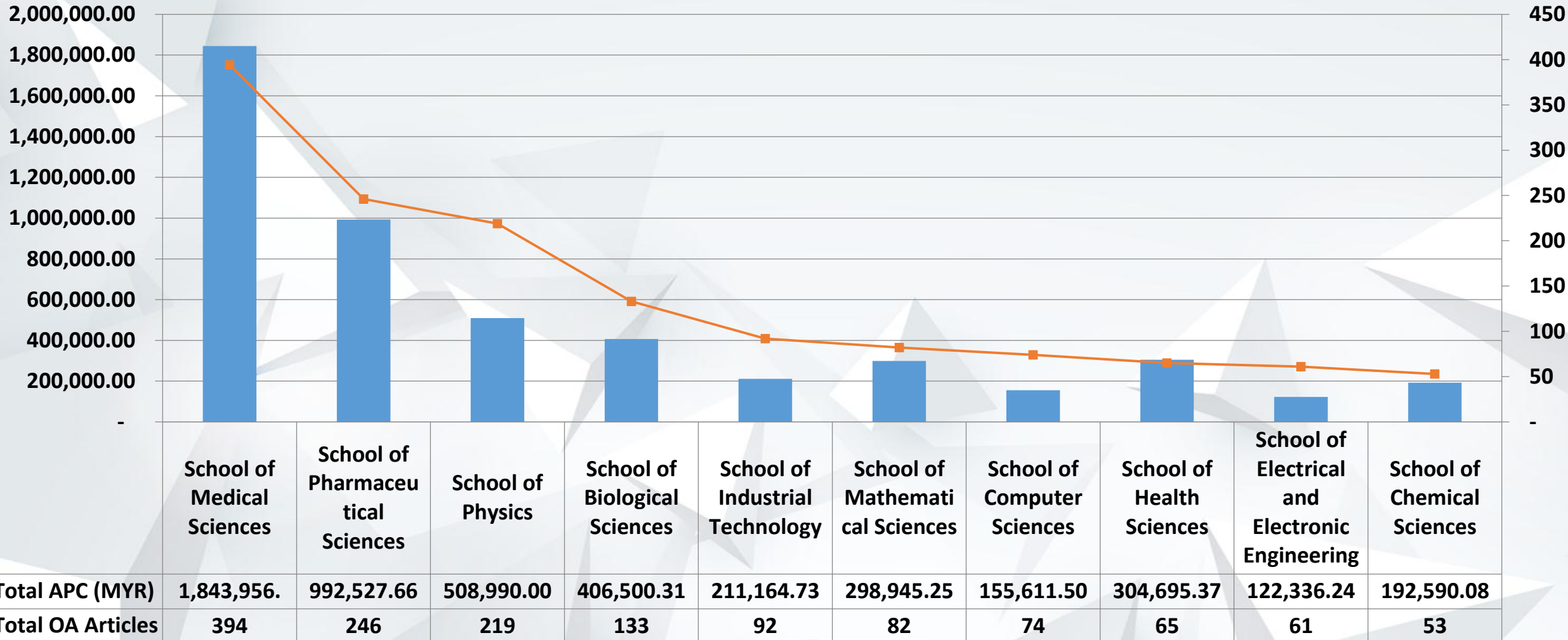
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Publishing Cost

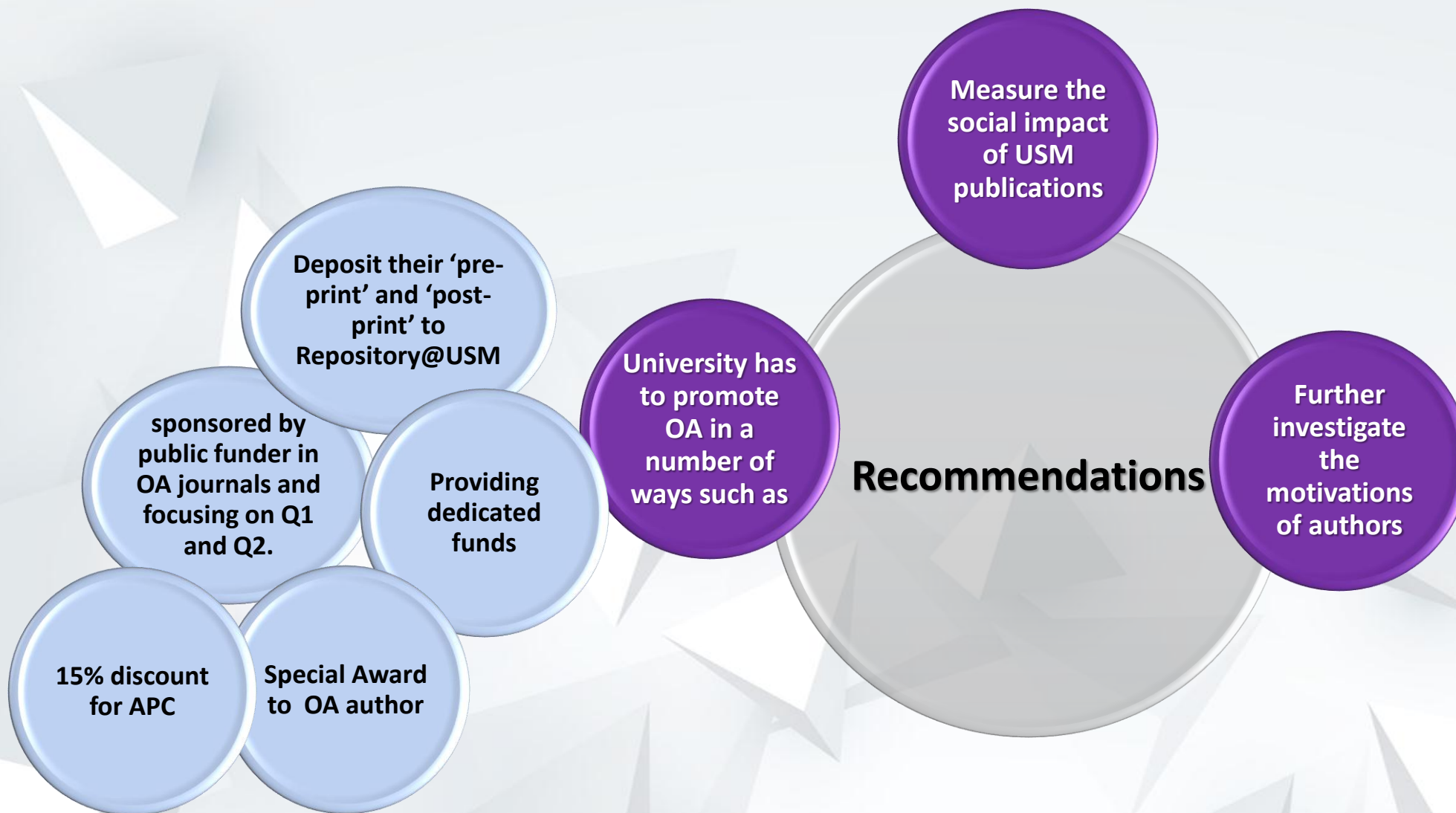


FINDING AND DISCUSSION

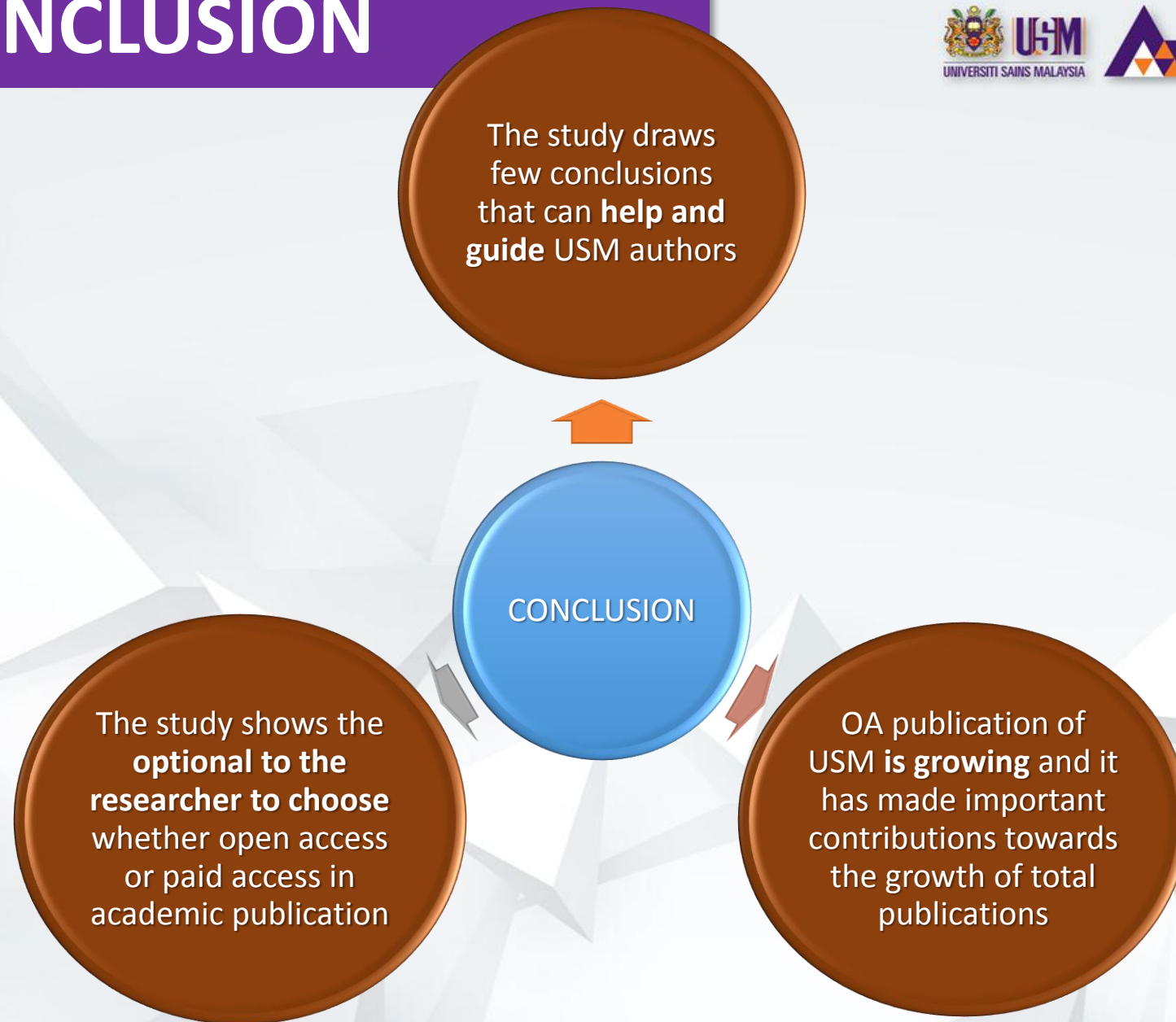
Publishing Cost



RECOMMENDATIONS



CONCLUSION



Thank You



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