RESEARCH WRITING AND RESEARCH IMPACT MEASURES: WHAT LIBRARIANS NEED TO KNOW?

Dr. Saif AlJabri

Director of Information Center, Sultan Qaboos University (SQU), Oman

Dr. J. K. Vijayakumar

Interim Library Director,
King Abdullah University of
Science & Technology (KAUST),
Saudi Arabia





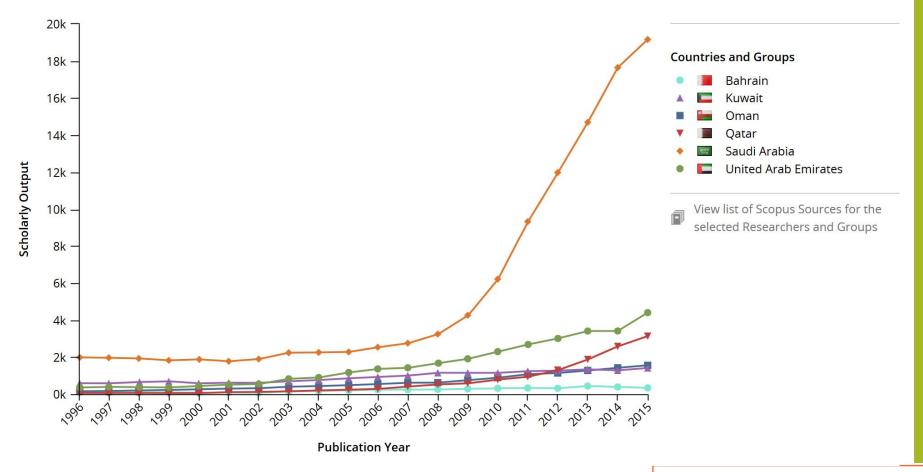
Agenda

- Bench marking GCC LIS research
- Research publication process
- Quality and optimization of research publication
- Structuring of research publications
- Review and indexing process
- Research impact measures and evaluation metrics
- Author profiling and research networks
- Research Impact & University Rankings
- Q & A



Research Publications in **All Disciplines Individual GCC Countries** during 1996-2015

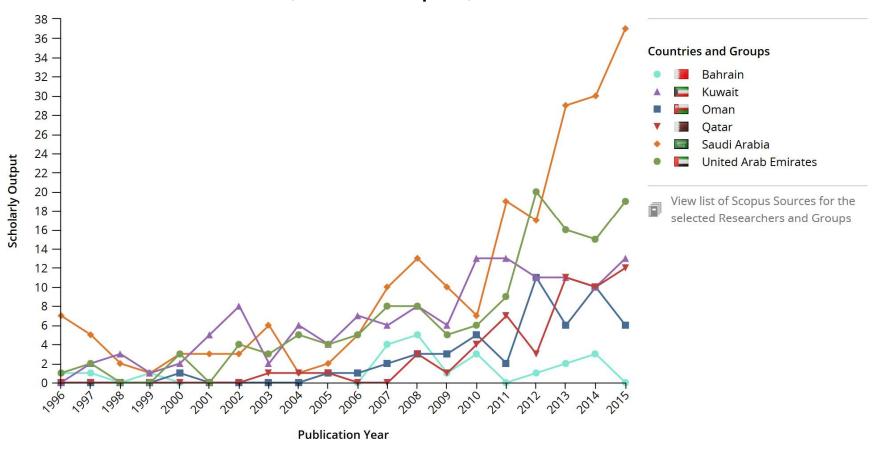
Visualization: Scival (Data: Scopus)





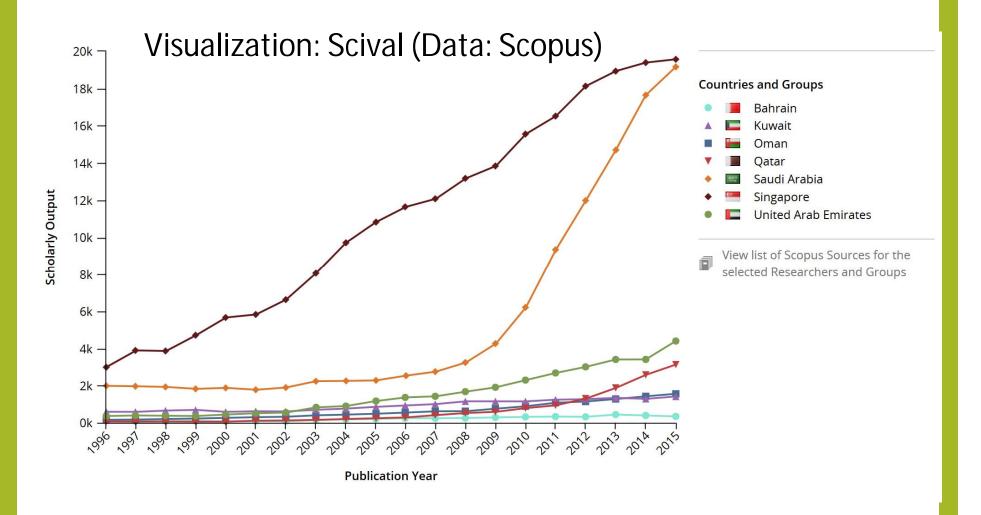
Research Publications in Library and Information Sciences Individual GCC Countries during 1996-2015

Visualization: Scival (Data: Scopus)



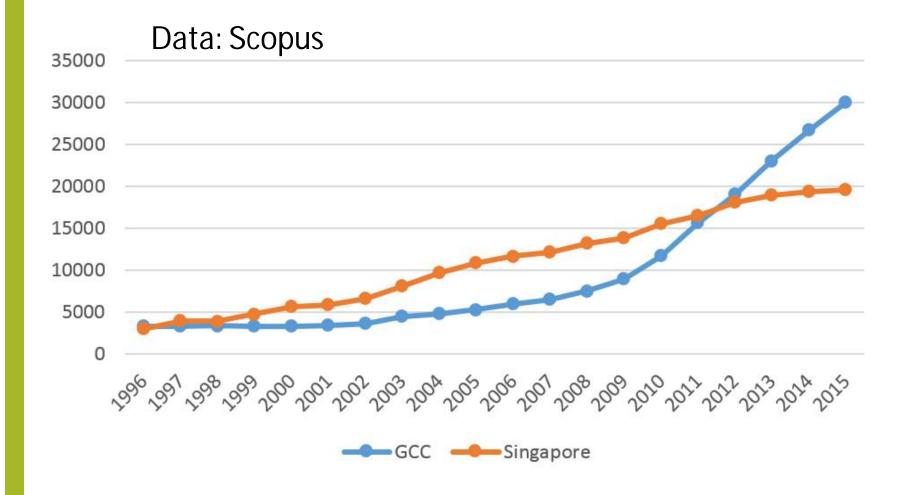


Research Publications in **All Disciplines Singapore & Individual GCC Countries** during 1996-2015





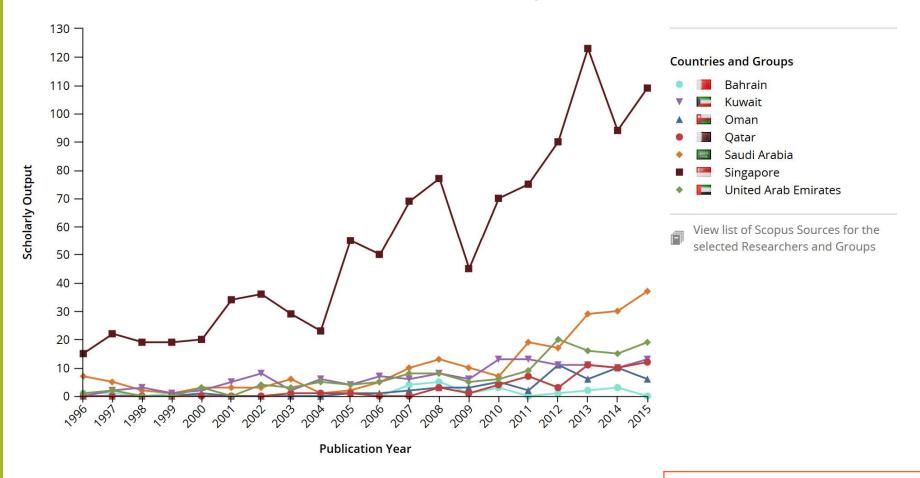
Research Publications in **All Disciplines Singapore & GCC Countries together** during 1996-2015





Research Publications in Library and Information Science Singapore & Individual GCC Countries during 1996-2015

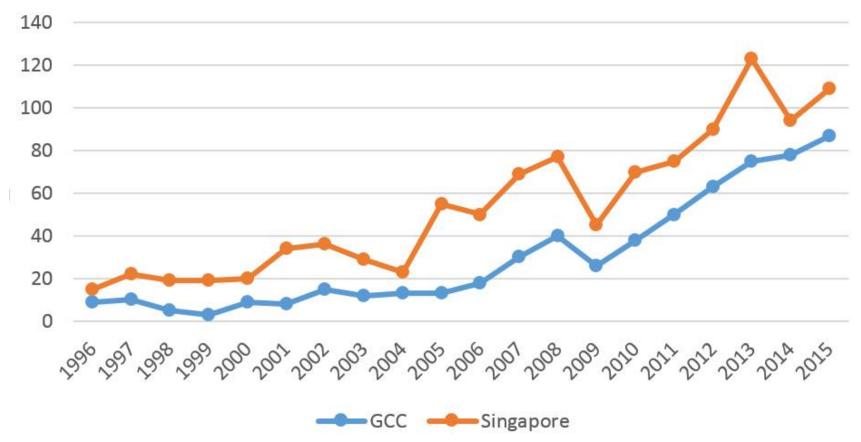
Visualization: Scival (Data: Scopus)





Research Publications in Library and Information Science Singapore & GCC Countries together during 1996-2015

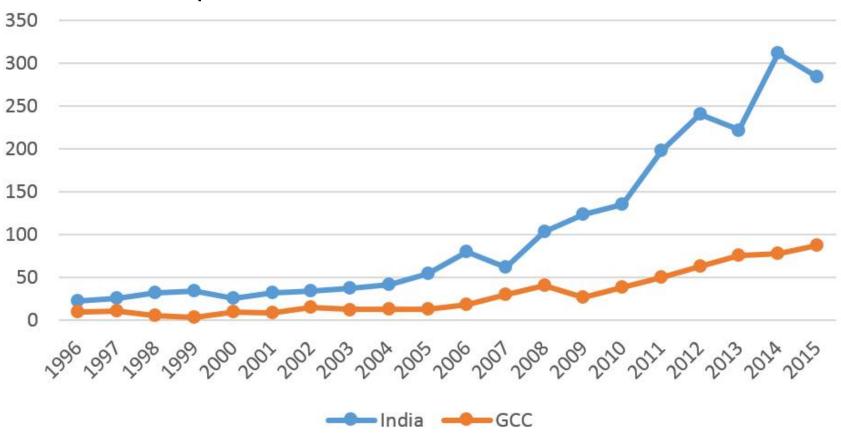
Data: Scopus





Research Publications in Library and Information Science India & GCC Countries together during 1996-2015

Data: Scopus

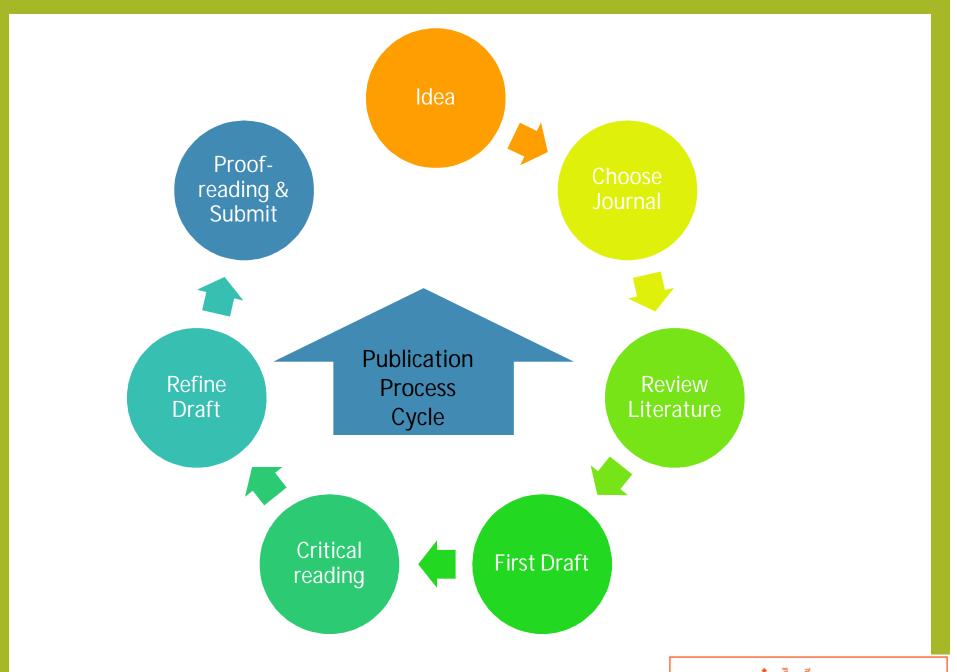








- Scholarly Communication Only reviewed and indexed research pieces qualify for the ratings and rankings of Universities and Institutions worldwide.
- It is essential to bring a large number of 'reviewed' research papers in indexed journals.
- Many of us do not gain an understanding of this.
- Creating awareness among potential LIS young researchers, librarians and faculty is important.





Hints For Manuscript Writing

- Title
- Abstract
- Introduction
- Methods and Materials
- Results, Figures & Tables
- Discussion & Conclusion
- References & Keywords
- Language Syntax





ABSTRACT

Aim Purpose Objective

Methods Results Conclusions



INTRODUCTION

- * Background of the subject, include Aim or purpose of the Research
- * State what lead you to get into this Research.

- * It Should Not Contain Discussion.
- * should Not be too long
- * Follow The Style of the Journal as per Guidelines



METHODS & MATERIALS

- Sufficient Details for Others to Reproduce
- Clear Succinct Details (No Secrets!)
- Hidden Data is Irritating to Editors & Reviewers - Inclusion & Exclusion Criteria of Subjects
- Adequate Sample Size
- Justification of Certain techniques
- Alternative methods considered & problems
- Randomization method detailed & Justified !



RESULTS

Clear, Concise and Complete

Have to be Related to Methods

Unorganized or Confusing Results Exhaust Reviewers

Grouping of Results to Carry a Message & to Lead to Discussion helps the Reviewers

Figures – Sharp, Relevant Complete Legends

Tables - Clear Organized, Title & Footnotes



DISCUSSION

1st Discuss Own Data & must be Complete

Complete Referencing of Previous Studies

To avoid Reference to Literature that has Contrary Results is not acceptable Editors do not ask for Subtitles, & No Need

Too Long a Discussion has Negative Impact

2nd Discuss & Compare with the Literature





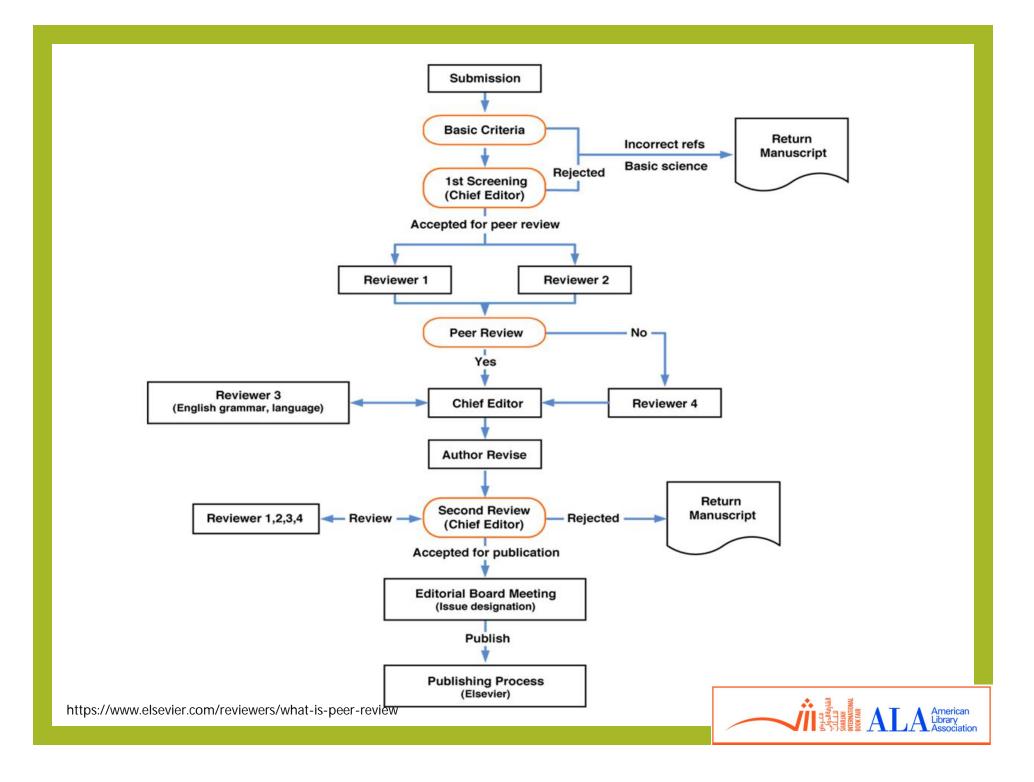
- Must Address the Title
- Address the **Hypothesis** or the Questions
- Conclusion must be Concise & to the Point
- Be Careful Not to Overstate and Never Conclude more than what your Data showed
- Not Necessary for Conclusion to be a Separate Section. It Can be just at the End

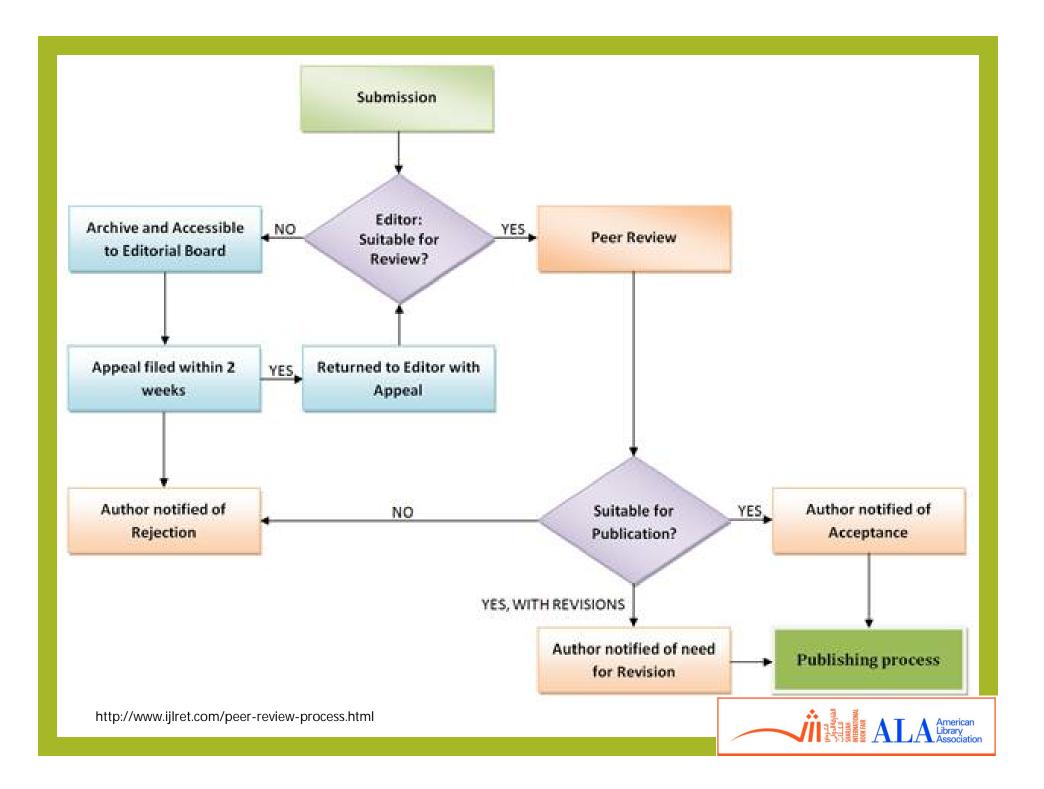


REFERENCES

- Reference Original Articles,
- References Must be Complete
- They Must be Relevant
- Too Many References have a Negative Impact
- Style Must Comply with Journal Instructions
- Errors in References are Annoying to Editors & Reviewers, & Reflects
 Negatively on Authors





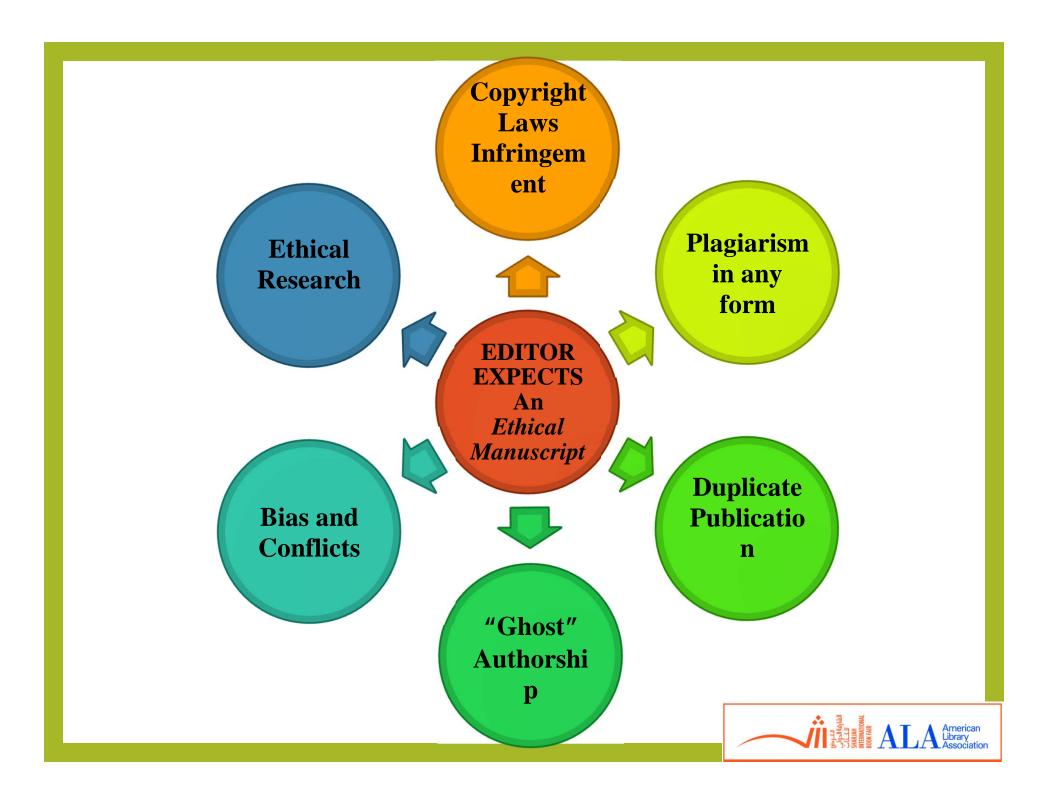




EDITOR EXPECTS FROM AUTHORS

- Submission of complete research data
- Carefully written MS, Figs. & Refs.
- Submission according to the journal style
- All instructions followed, e.g. If CD required
- Not to check with Editorial Office before prescribed time
- Submit extra data if not included in MS
- Submit reviewers names only if requested
- Editor may request author to submit raw data to the Journal's Statistician







INDEXING - Process of creating index for all the fetched web pages and keeping them into a giant database from where it can later be retrieved. Essentially, the process of indexing is identifying the words and expressions that best describe the page and assigning the page to particular keywords.

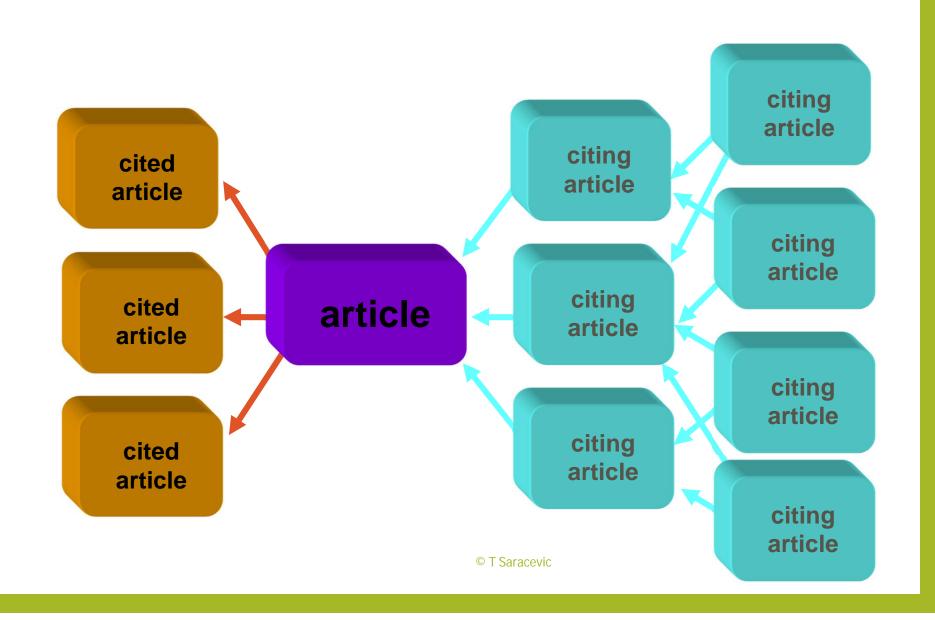
Research Evaluation Metrics

Some numeric measures to gauge the performance and/or impact of a research publication/researcher/institution

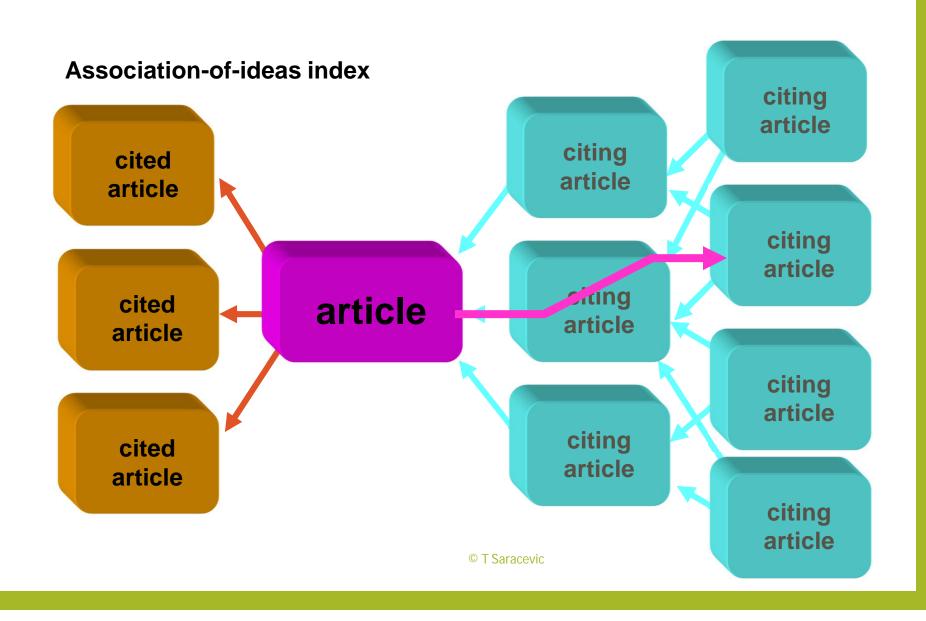
- People based metrics
- Journal based metricsAND Profiling



Citation matrix

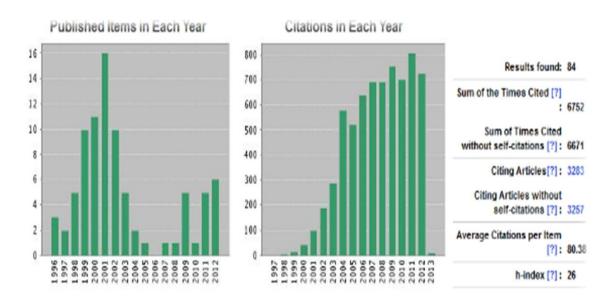


Science Citation Index



Impact Metrics: People based citation count / citation report

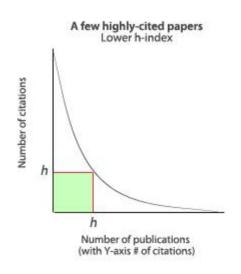
 A citation report is a collation of bibliographic details for the documents an individual has authored, along with the number of times those documents have been cited by others.

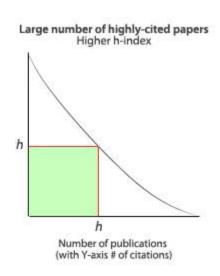




Impact Metrics: People based **h-Index**

- Proposed by Jorge Hirsch in 2005
- Aims at productivity as well as impact.
- To have an h-index of H, H of a scholar's publications must have been cited by others at least Htimes each.
- has limitations of incomparability across fields and across career stages.







	Full Journal Title	Total Cites	Journal Impact Factor •
1	MIS QUARTERLY	11,320	5.384
2	JOURNAL OF INFORMATION TECHNOLOGY	1,695	4.775
3	Journal of Computer-Mediated Communication	3,160	3.541
4	JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION	6,622	3.428
5	INFORMATION SYSTEMS RESEARCH	5,175	3.047
6	JOURNAL OF MANAGEMENT INFORMATION SYSTEMS	3,818	3.025
7	EUROPEAN JOURNAL OF INFORMATION SYSTEMS	1,981	2.892
8	INTERNATIONAL JOURNAL OF INFORMATION MANAGEMENT	1,937	2.692
9	JOURNAL OF STRATEGIC INFORMATION SYSTEMS	1,159	2.595
10	INFORMATION SYSTEMS JOURNAL	1,052	2.522

Impact Metrics: Journal based Impact Factor

Top Ranking 10 Journals in LIS

Data: Journal Citation Report



	Title	Туре	↓ SJR
1	Information Systems Research	journal	4.397 Q1
2	European Journal of Information Systems	journal	2.382 Q1
3	College and Research Libraries 3	journal	2.296 Q1
4	Information Communication and Society	journal	2.009 Q1
5	Journal of Cheminformatics 3	journal	1.746 Q1
6	Library and Information Science Research	journal	1.629 Q1
7	Journal of Chemical Information and Modeling	journal	1.610 Q1
8	Journal of the Association for Information Science and Technology	journal	1.601 Q1
9	Reference Services Review	journal	1.546 Q1
10	Journal of Information Technology	journal	1.474 Q1

Impact Metrics: Journal based Free Impact Metrics

Top 10 LIS journals

Data: SCImago Journal Rank (SJR)



Why others would cite your work?

- To help readers understand the context of an argument, who may share their interest in a particular area of study.
- To allow them to acknowledge those authors whose research contributed to their learning and research.
- To illustrate their own learning process, also draw attention to the originality and legitimacy of their own ideas.
- To demonstrate their integrity and skill as a responsible researcher in their field of study.
- To reflect the careful and thorough work they have put into locating and exploring reference sources.



In a nutshell - To "stand on the shoulders of the giants" and then proceed in furthering the research

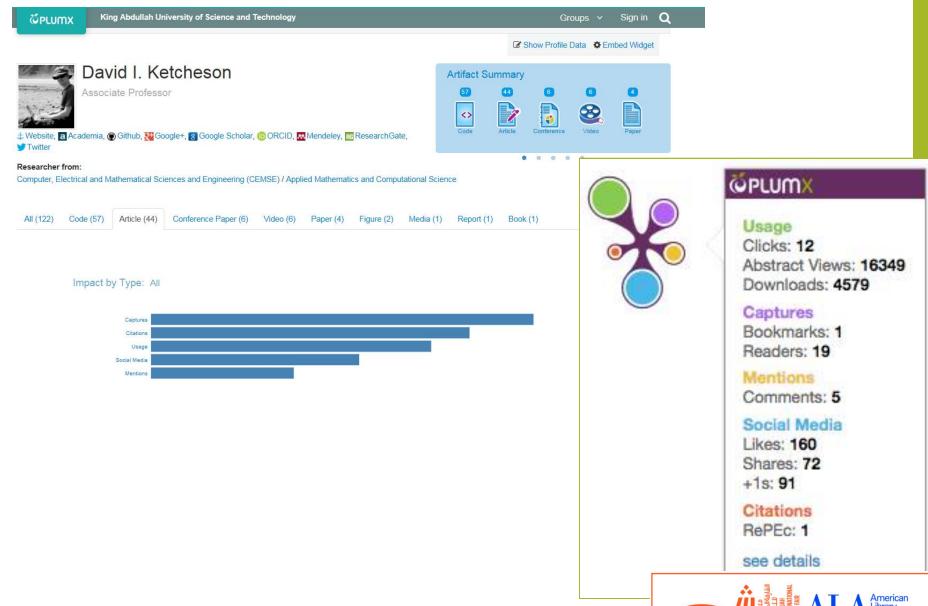




- Supplementing Peer-Review, traditional citations
- Include discussion (e.g. Twitter), saving/downloads (e.g. Mendeley) Recommendations etc.



PlumX@KAUST



Author Profiling

- Creation of a unique author identifier.
- Most databases allow.
- Connect all your papers together within a database.
- Correctly identifying all publications by an author within a single database
- Avoid confusions in multiple names (including maiden names), similar names/initials
- Linking articles together will increase the h-index within a database.



Be ready to known as a NUMBER



Author Profiling **Author Identifiers**



http://orcid.org/

ORCID provides a persistent digital identifier that distinguishes you from every other researcher and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized.

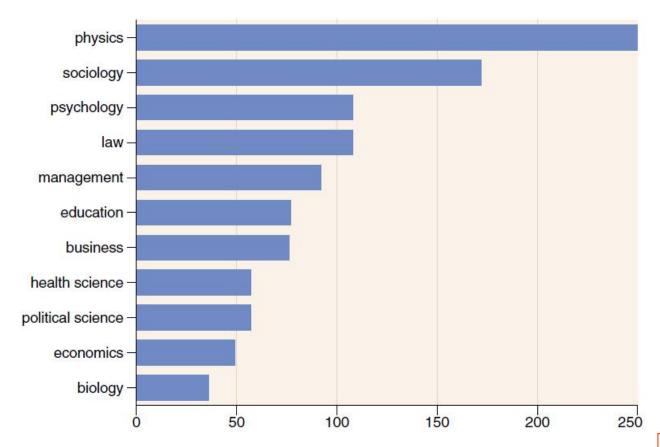
Include your ORCID identifier on your Webpage, when you submit publications, apply for grants, and in any research workflow to ensure you get credit for your work.



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We Cite .. What We See.

By definition an open-access article has greater visibility, and it's becoming evident that scientists do take the opportunity to read and use what they would otherwise not have seen.



Across a range of scholarly disciplines, opening access to articles increases their citation rate

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WEIGHTING SCHEME FOR RANKINGS SCORES

International mix – staff and students Ratio of international to domestic

staff 2.5% Ratio of international

to domestic

students 2.5%

Proportion of internationally co-authored research

papers 2.5%

Research – volume, income and reputation

Reputational

survey -

research 18%

Research income

(scaled) 6%

Papers per

academic and research

staff

Research
publications
impact on 38.5%
of the total
scores

Industry income – innovation

Research income from industry (per academic staff) 2.5%

Improving the impact
By increasing the visibility of the research

Teaching – the learning environment

Reputational survey – teaching 15%

teaching PhD awards per

academic 6%

Undergraduates

admitted per

academic 4.5%

Income per

academic 2.25%

PhD awards/ bachelor's

Dacifeloi S

awards 2.25%

Citations –
research influence
Citation impact
(normalised
average citations
per paper) 30%



For the latest World University Rankings news, debate and social networking, se www.timeshighereducation.co.uk/world-university-rankings/

Language Barrier

Non Librarians Leadership Obstacles for Librarians' 'Research & Publications in GCC

Arabic Journals are not Indexed

Non Academic Status



Thank you



