

# HOWTO CALCULATE H-INDEX IN SCOPUS

1. Log in via Library Portal (for internal and off campus access) or Library Online Databases <http://portal.psz.utm.my> (for internal access only)



2. Login using your ACID Account



### 3. Click to online databases icon

The screenshot shows the UTM Libraries website interface. At the top, there is a navigation bar with 'Library HOME', 'Logout', and a disclaimer: 'This service is provided to UTM Library user via Ezproxy access, all activities are monitored to prevent service abuse'. The main header features the UTM logo and 'UTM LIBRARIES Information Excellence' with a background image of a modern building. Below the header is a search bar with 'Everything' selected and a 'Search' button. A 'MENU' dropdown is open, showing 'E-RESOURCES (EZproxy)' selected. On the left sidebar, there are links for 'E-RESOURCES (EZproxy)', 'Online Databases', 'E-Journals', and 'E-Books'. The main content area is titled 'E-Resources (EZproxy)' and contains several promotional banners: 'SUMMON@UTM' (a single unified index), 'Online Databases A-Z Listing (UTM Libraries)' (highlighted with a red '3'), and 'eJournals A-Z Listing (UTM Libraries)'. There are also icons for 'UTM Library', 'Institutional Repository', 'Interlibrary Loan', and 'Corporate Presentation'.

### 4. Click Scopus

The screenshot shows a list of online databases. A red number '4' and an arrow point to the 'Scopus' entry. The list includes:

- S SAE Digital Library
- SAGE Journals
  - > SAGE IMechE
  - > SAGE Research Methods
- ScienceDirect
- Scientific.Net
- SciFinder (*Open link in new tab*) First time user-self registration (click here)
- Scopus** Request for log in (click here)
  - > SciVal Spotlight (accessible only to UTM Academics & UTM Researchers)
- SIAM Journals Online (Society for Industrial & Applied Mathematics)
- SIRIMLink (OPAC only)
- SPIE Digital Library
- SpringerLink
  - > Lecture Notes in Computer Science (via SpringerLink)

5. Example: Prof. Madya. Dr. Shahir Samad, (Shahir, S) Key in author's initial entry (AUTHOR)

The screenshot shows the Scopus search interface. The 'Author search' tab is selected. The search criteria are: Last Name: shahir, Initials or First Name: s. The 'Subject Areas' section is checked for Life Sciences, Health Sciences, Physical Sciences, and Social Sciences & Humanities. A red arrow labeled '5' points to the 'Author search' tab and the 'Initials or First Name' field.

6. After see the list of hits, click to view citation overview

The screenshot shows the search results page for the author search. The 'Author results: 6 of 8' section is visible. A red arrow labeled '6' points to the 'View citation overview' button. The results table is as follows:

Authors	Documents	Subject Area	Affiliation	City	Country
<input checked="" type="checkbox"/> <b>Shamsir, Mohd S.</b> 1 Omar, M. S S Shamsir Shahir, Mohd Shamsir, Shahir	19 Show Last Title	Computer Science ; Biochemistry, Genetics and Molecular Biology ; Mathematics; ...	Universiti Teknologi Malaysia	Skudai	Malaysia
<input checked="" type="checkbox"/> <b>Shahir, Shafinaz</b> 2	8 Show Last Title	Biochemistry, Genetics and Molecular Biology ; Engineering ; Immunology and Microbiology; ...	Universiti Teknologi Malaysia	Skudai	Malaysia
<input type="checkbox"/> <b>Kasim, M. S.</b> 3 Shahir, K.	7 Show Last Title	Engineering ; Physics and Astronomy ; Multidisciplinary; ...	Universiti Kebangsaan Malaysia	Bangi	Malaysia
<input type="checkbox"/> <b>Shahir, Kaushik S.</b> 4 Shahir, K. Shahir, Kaushik	5 Show Last Title	Medicine ; Immunology and Microbiology	Medical College of Wisconsin	Milwaukee	United States

7. On the author's details page, you will find a button to generate the h-index called "view h-graph"

27 Cited Documents		Citations						
		<2011	2011	2012	2013	Subtotal	>2013	total
<b>Total</b>		30	8	21	11	40	0	70
1	2013 Sequence and structural investig...					0		0
2	2013 Improving molecular dynamics sim...					0		0
3	2013 Molecular modelling and function...					0		0
4	2012 A BOD sensor using immobilized m...					0		0
5	2012 Purification and characterizatiu...					0		0
6	2012 Bacillus licheniformis coated bi...					0		0
7	2012 Structure prediction, molecular ...				1	1		1
8	2012 CMD: A database to store the bon...					0		0
9	2012 Counting in the dark: Non-intrus...					0		0
10	2012 Structural prediction of a novel...				1	1		1
11	2012 Cloning and functional analysis ...				1	1		1
12	2012 Using an improved differential e...					0		0
13	2012 Characteristic of mild acid tunc...			1	1	2		2
14	2011 Grid jobs scheduling improvement...					0		0
15	2011 Identification of genes involved...			3		3		3
16	2011 birgHPC: Creating instant comput...					0		0
17	2011 Biodegradation of 4-aminobenzene...		2	7		9		9

h index = 4

**Author h index**

[View h-Graph](#)

Of the 27 documents considered for the h index, 4 have been cited at least 4 times.

**Note:** The h index considers Scopus documents published after 1965.  
[About h-Graph](#)

8. Check Result from tab menu

on the view h-graph page, you can adjust different variable (e.g. the range of dates of the documents published by the author) and recalculate the h-index. The chart will show you the number of documents, h index and citations.



*The h-index is based on a list of publications ranked in descending order by the Times Cited. The value of h is equal to the number of papers (N) in the list that have N or more citations. This metric is useful because it discounts the disproportionate weight of highly cited papers or papers that have not yet been cited. In the [h-index example](#) above, the 27 documents considered for the h index, 4 have been cited at least 4 times.*

**Note:**The h index considers Scopus documents published after 1995.

**Calculating the h-index Value** - *The h-index factor is based on the depth of your Web of Science subscription and your selected [time span](#). Items that do not appear on the Results page will not be factored into the calculation. If your subscription depth is 10 years, then the h-index value is based on this depth even though a particular author may have published articles more than 10 years ago. Moreover, the calculation only includes items in Web of Science - books and articles in non-covered journals are not included.*

*The h-index was developed by J.E. Hirsch and published in Proceedings of the National Academy of Sciences of the United States of America 102 (46): 16569-16572 November 15 2005.*