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THE 2024 RANKING LIST OF HUNGARIAN SCIENTISTS IN THE FIELD OF SCIENTOMETRICS

Gyula Mester
1081 Budapest, Népszínház u. 8, Hungary
e-mail: drmestergyula@gmail.com

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ABSTRACT

The article presents the 2024 ranking of Hungarian researchers in the field of Scientometrics. The ranking is presented primarily according to the h-index of researchers. Researchers with matching h-index are ranked by the number of citations. The ranking list includes 12 researchers. The h-index can be determined from Web of Science, Scopus, Google Scholar, the Hungarian Science Bibliography - the database of Hungarian Science Publication and the programs Tud-O-Méter, Publish or Perish. The ranking is edited using the Google Scholar web database.

Keywords: Scientific Metrics, ranking list, Hungarian researchers, h-index, Google Scholar.

1. INTRODUCTION

The article presents the 2024 ranking of Hungarian researchers in the field of Scientometrics. The field of scientometrics includes the following disciplines and topics:

1. Scientometrics, Scientometry.
2. Citation Analysis.
3. Citation Indexing, Indexing of Citations.
4. Bibliometrics.
5. Research Evaluation.
6. Science Studies.
7. Webometrics.
8. Plagiarism.

First, let's examine the question of who can be considered a Hungarian researcher in the field of science metrics, who can be ranked? In our view, a researcher can be included in the ranking list of Hungarian researchers in the discipline of science metrics if he or she is an author:

- is listed in the Clarivate Analytics Web of Science list with publications in Scientometrics,
- Science metrics publications in the Scopus list,
- has a Google Scholar profile with at least one of the 1-8 science disciplines/topics listed,
- Google Scholar listings or Publish or Perish with a significant number of publications in science metrics,
- the author has a significant number of publications in the field of science metrics,
- in the the Hungarian Science Bibliography - the database of Hungarian Science Publication, the author has a considerable number of publications in Science Metrics.

In the field of Scientometrics, Hungarian researchers have achieved outstanding results. Suffice it to mention the publication of Springer Science+Business Media in Germany, a:

Scientometrics

a peer-reviewed, monthly, impact-factor scientific journal in the field of science metrics, edited by Wolfgang Glänzel and Lin Zhang, which publishes original papers, short communications, review papers, letters to the editor and book reviews. The journal is published by Akadémiai Publishers and Springer Science + Business Media and was founded in 1978. Its founder and first editor-in-chief was Tibor Braun from Budapest.

One of the manifestations of scientific creativity is the publication of new scientific results [1-3]. Science metrics, to measure the quantity and quality of scientific output, is essential. Science metrics measure the

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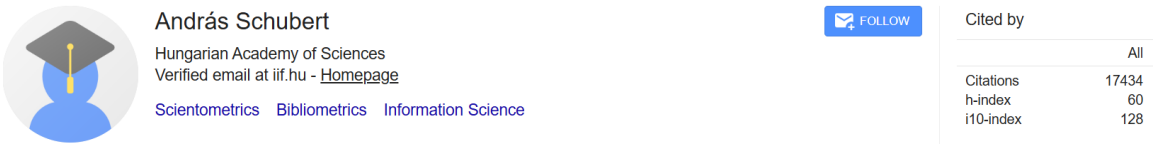
quantity of scientific publications - the number of publications and their quality: citation rate, h-index, g-index. The measurement of citations is an effective way to measure scientific performance, because if someone is cited a lot by other scientists, he is probably a better scientist. The ranking of researchers is primarily presented according to the h-index of researchers [4].
In the case of a matching h-index, researchers are ranked by the number of citations. The ranking is constructed using the Google Scholar database [5]. Google Scholar is Google's scientific search engine, launched in 2004, which displays the researcher's scientific publications, citations, h-index and i10-index. The h-index, also known as the Hirsch index, is based on citations. h-index was published by physicist Jorge E. Hirsch (University of California, San Diego) in 2005:
"A scientist has index hif h of his/her N papers have at least h citations each, and the other (N-h) papers have no more than h citations each".
Thus, the h-index is the largest number h, indicating that h publications have at least h citations, with all other scientific publications having fewer than h citations. Hirsch suggested that the index was originally intended to compare individual performance only, but that it could also be used to determine the h-index of research groups, journals, disciplines, institutions and countries [6-13]. The original h-index does not distinguish between dependent and independent citations, i.e. it also takes self-citations into account [14-18].
The first chapter is the Introduction, the second chapter presents. The 2024 ranking list of Hungarian researchers in the discipline of Scientometrics, and the third chapter is the Summary.

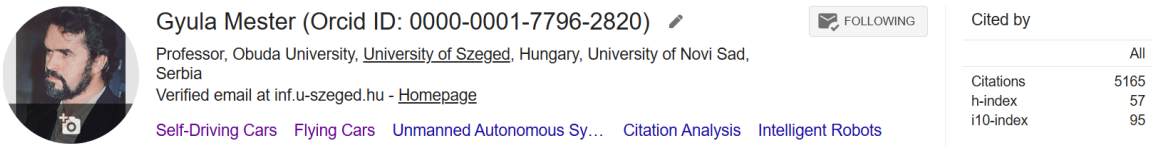
2. THE 2024 RANKING LIST OF HUNGARIAN SCIENTISTS IN THE SCIENTOMETRICS

The 2024 ranking of Hungarian researchers in the discipline of science metrics is presented primarily according to the h-index of researchers. The ranking was constructed using the Google Scholar database. Researchers with matching h-index are ranked by the number of citations. The ranking list includes 12 researchers. We present the researchers' Orcid ID numbers. Here is the ranking:

1. **Schubert András**
   h-index = 60
   number of citations: 17434
   Orcid ID: 0000-0001-8348-1775



2. **Mester Gyula**
   h-index = 57
   number of citations: 5165
   Orcid ID: 0000-0001-7796-2820



3. **Braun Tibor**
   h-index = 53

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number of citations: 11120
Orcid ID: 0000-0003-3861-4975

Tibor Braun
Hungarian Academy of Sciences
Verified email at mail.iif.hu
chemistry scientometrics information science

FOLLOW

Cited by

	All
Citations	11120
h-index	53
i10-index	176

4. **Vinkler Péter**
h-index = 32
number of citations: 3991
Orcid ID: 0000-0002-4936-306X

Péter Vinkler
Professor Emeritus Hungarian Academy of Sciences Research Centre for Natural Sciences
Verified email at ttk.mta.hu
scientometrics science policy chemistry

FOLLOW

Cited by

	All
Citations	3991
h-index	32
i10-index	66

5. **Kollár István**
h-index = 24
number of citations: 3608
Orcid ID: 0000-0002-4807-0476

István Kollár
Professor of Electrical Engineering, Budapest University of Technology and Economics
Verified email at mit.bme.hu - Homepage
signal quantization numerical roundoff system identification signal processing

FOLLOW

Cited by

	All
Citations	3608
h-index	24
i10-index	45

6. **Demeter Márton**
h-index = 20
number of citations: 1390
Orcid ID: 0000-0002-9888-9682

Márton Demeter
Other names
Professor, National University of Public Service
Verified email at uni-nke.hu
communication scientometrics global knowledge production academic knowledge produ…

FOLLOW

Cited by

	All
Citations	1390
h-index	20
i10-index	34

7. **Kóczy Á. László**
h-index = 18
number of citations: 1190
Orcid ID: 0000-0002-8588-6140

László Á. Kóczy
HUN-REN KRTK Institute of Economics and BME Department of Finance
Verified email at krtk.hu - Homepage
Game Theory Energy Economics Social Choice Scientometrics

FOLLOW

Cited by

	All
Citations	1190
h-index	18
i10-index	35

8. **Soós Sándor**

DOI: https://doi.org/10.14232/analecta.2025.1.66-70

h-index = 14
number of citations: 833
Orcid ID: 0000-0001-7072-6323

Sándor Soós
Eötvös Loránd University, Hungarian Academy of Sciences
Verified email at ppk.elte.hu
scientometrics quantitative science studies psychometrics

FOLLOW

Cited by

	All
Citations	833
h-index	14
i10-index	15

9. Doró Katalin
h-index = 10
number of citations: 437
Orcid ID: 0000-0001-8085-4839

Katalin Doró
associate professor, University of Szeged
Verified email at lit.u-szeged.hu
academic writing plagiarism L2 literacy TEFL teacher identity

FOLLOW

Cited by

	All
Citations	437
h-index	10
i10-index	10

10. Berek László
h-index = 5
number of citations: 124
Orcid ID: 0000-0002-4126-1528

Berek László
Óbuda University, Budapest, Hungary
Verified email at uni-obuda.hu
information technology library sceince library and publication secu... Citation indexing

FOLLOWING

Cited by

	All
Citations	124
h-index	5
i10-index	3

11. Dudás Anikó
h-index = 4
number of citations: 103
Orcid ID: -

Anikó Dudás
Library&Information Science
Verified email at btk.ppke.hu
cataloguing library metadata publishing bibliometrics research infrastructure

FOLLOW

Cited by

	All
Citations	103
h-index	4
i10-index	1

12. Berhidi Anna
h-index = 3
number of citations: 235
Orcid ID: 0000-0002-4065-3255

Anna Berhidi
Semmelweis University
Verified email at semmelweis.hu
bibliometrics bibliographic databases journal analysis

FOLLOW

Cited by

	All
Citations	235
h-index	3
i10-index	2

3. CONCLUSIONS

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The scientific communication presented the 2024 ranking of Hungarian researchers in the field of Scientommetrics. The ranking is presented primarily according to the h-index of researchers. Researchers with matching h-index are ranked by the number of citations. The ranking was constructed using the Google Scholar web database. The ranking list includes 12 researchers. The Orcid ID numbers of the researchers are presented.

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