

Bibliometric Analysis of Aziz Aliyev's Legacy, the Outstanding Statesman and Scholar

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Abstract.

The focus of the article is the bibliometric analysis of document resources regarding the legacy of Aziz Aliyev, a distinguished scientist, statesman, and healthcare organizer. A bibliometric analysis of books and articles was conducted as the initial step in the document resources. A statistical classification of sources by year is given in the analysis. At present, the research works of the outstanding personality Aziz Mammadkarimoglu Aliyev are one of the current trends. As a result, there has been an increase in the number of academicians' research works in recent years. It is possible to conduct a bibliometric analysis in various fields of science. More and more bibliometric studies are being conducted in recent times. Bibliometric analysis of research works can be thought of as a kind of personal evaluation used to assess the scientific value of these works. Bibliometric analysis can be done in several directions. This includes number of articles, citation index, h-index, number of articles published in the journal etc (Ismayilov, Ismayilov, & Mammadova, 2019).

We can state that we can perform a bibliometric analysis with any individual based on the scientific literature in the field by following these steps:

Initially, ascertain the course of the person-related topic,

Collect primary sources about the heritage of this personality. It can be a book, article, conference material, etc.

Analyze and systematize the collected materials with statistical methods

Review the analysis accurately and in detail

Apply to appropriate journals or conferences for the publication of research material prepared based on results (Ismayilov, Mahammadli, & Gasimli, 2023).

In modern times, the increase in the number of bibliometric analyzes is related to the development of information and communication technologies. It should be noted that the increase in the number of bibliometric analyzes coincides with the beginning of the last century. It is this rapid growth that plays an important role in the development of bibliometrics. In recent times, bibliometric analysis is mainly understood as a system of methods that quantitatively shows data in the intended direction using certain indicators in a professional environment (Almind, & Ingwersen, 1997).

The bibliometric analysis of the works of a prominent scientist shows the importance of his legacy and activity. This makes it possible to clarify the position of the scientist in the society (Garfield, 1955).

Keywords: Aziz Aliyev, research works, bibliometric analysis, databases

Бібліометричний аналіз спадщини Азіза Алієва, видатного державного діяча та вченого

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Анотація.

У статті присвячено бібліометричний аналіз документних ресурсів щодо спадщини Азіза Алієва, видатного вченого, державного діяча, організатора охорони здоров'я. На початковому етапі документних ресурсів було проведено бібліометричний аналіз книг і статей. В аналізі подано статистичну класифікацію джерел за роками. Нині дослідження видатної особистості Азіза Мамедкаримоглу Алієва є одним із актуальних напрямків. Як наслідок, за останні роки спостерігається збільшення кількості наукових робіт академіків. Проводити бібліометричний аналіз можна в різних галузях науки. Останнім часом все частіше проводяться бібліометричні дослідження. Бібліометричний аналіз дослідницьких робіт можна розглядати як своєрідну особисту оцінку, яка використовується для оцінки наукової цінності цих робіт. Бібліометричний аналіз можна проводити в кількох напрямках. Це включає кількість статей, індекс цитування, h-індекс, кількість статей, опублікованих у журналі тощо (Ismayilov, Ismayilov, & Mammadova, 2019).

Ми можемо стверджувати, що ми можемо виконати бібліометричний аналіз будь-якої особи на основі наукової літератури в галузі, виконавши такі кроки:

- Спочатку з'ясуйте хід особистісної теми;

- Зберіть першоджерела про спадщину цієї особистості. Це може бути книга, стаття, матеріал конференції тощо;

- Проаналізувати та систематизувати зібрані матеріали статистичними методами;

- Перегляньте аналіз точно та детально;

- Звертатися до відповідних журналів або конференцій для публікації дослідницького матеріалу, підготовленого на основі результатів (Ismayilov, Mahammadli, & Gasimli, 2023).

У наш час збільшення кількості бібліометричних аналізів пов'язане з розвитком інформаційно-комунікаційних технологій. Слід зазначити, що збільшення кількості бібліометричних аналізів збігається з початком минулого століття. Саме це швидке зростання відіграє важливу роль у розвитку бібліометрії. Останнім часом під бібліометричним аналізом переважно розуміють систему методів, яка кількісно показує дані в наміченому напрямку за допомогою певних показників у професійному середовищі (Almind, & Ingwersen, 1997).

Бібліометричний аналіз праць видатного вченого свідчить про важливість його спадщини та діяльності. Це дає змогу з'ясувати позицію вченого в суспільстві (Garfield, 1955).

Ключові слова: Азіз Алієв, дослідницькі роботи, бібліометричний аналіз, бази даних

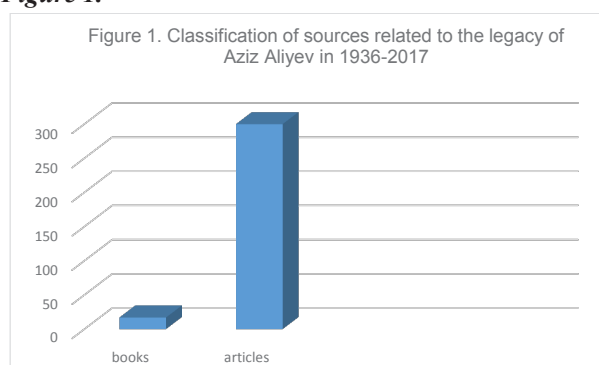
Introduction.

In modern times, indexes and databases about the legacy of Professor Aziz Aliyev create conditions for conducting bibliometric analyzes in this field (Afandiyev, İsmayilov, & Yusifova, 2023). By involving the development direction of the professor's scientific activity, his contributions to medical science, the research works of the academician, and the works dedicated to him in the bibliometric analysis, we can obtain fundamental conclusions about the current state of his scientific heritage (İsmayilov, & Khalafova, 2023). In modern times, the bibliographic indexes and databases prepared about Professor Aziz Aliyev create conditions for conducting bibliometric analyzes in this field (İsmayilov, 2022).

Based on the conducted analysis, the authors who wrote the most about the legacy of the academician, the most cited articles, journals are systematized and described in the form of bibliometric schemes (İsmayilov, & Khalafova, 2022a).

Main part.

The classification of sources about the heritage of Aziz Aliyev during the years 1936-2017 is given in **Figure 1**.



As can be seen from the comparative analysis of these sources, the number of published articles on the academician's legacy is approximately 17.6 times greater than the number of books (İsmayilov, & Khalafova, 2022b).

The bibliometric analysis of scientific sources authored by the outstanding academician himself, as well as about his life and activities, allows to evaluate these sources in the form of digital data, which is used to monitor the reputation of the professor, the development of his research field. This analysis helps to determine the direction of the articles and books about the academician, which authors write about him, how many times the authors cite to his works, etc (İsmayilov, & Khalafova, 2022c; İsmayilov, & Aliyeva, 2023).

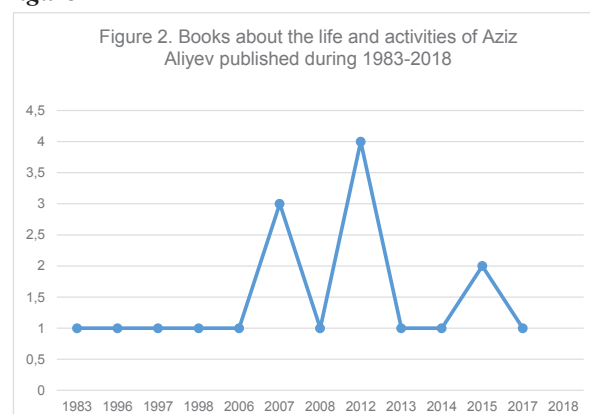
It is possible to benefit from the following sources for bibliometric analysis of Aziz Aliyev.

- Research articles: By deeply studying the articles about the academician, we can get to know his scientific activities in depth (İsmayilov, & Ganbarova, 2022).
- Databases: It is possible to obtain information

about academician Aziz Aliyev with these research databases. In these databases, it is possible to search for articles and books authored by or about the academician. It is also possible to obtain statistical information here (İsmayilov, & Mammadov, 2023), Afandiyev, İsmayilov, & Yusifova, 2023).

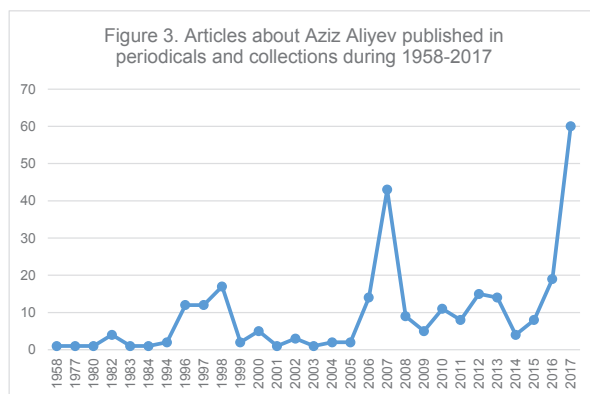
- Internet resources: we can analyze Internet sources, interviews, conference proceedings, official websites about Aziz Aliyev (İsmayilov, & Bayramova, 2022).

The statistics of the books published about the academician obtained using these sources are given in **Figure 2**



As can be seen from Figure 2, during the period 1983-2018, there is an increase in the number of books published about the prominent statesman and scientist Aziz Aliyev, except for 2013 and 2014. It is in these books that we can get acquainted with the great chronicle of Aziz Aliyev's life, political and scientific activities, and his influence on the development of the Republic of Azerbaijan (İsmayilov, Mahammadli, & Khudiyeva, 2022).

When classifying the articles about the professor published in periodicals during the period 1958-2017, a slight increase is observed in 1958-1994. It should be noted that more than 30 conference proceedings and anniversary speeches were included as articles. Although we saw a decrease in 2000, 2001, 2003, 2005 compared to 2007, there is an increase in the number of articles published since (İsmayilov, & Guliyev, 2022) 2015 (**Figure 3**).



Conclusions.

Grouping the articles published between 1958 and 2017 by author, we see that, most of the articles are single-authored. From 2007 to 2017, A. Amiraslanov, R. Mirzazade, R. Hamzatov, G. Garaybeyli, O. Shiraliyev occupy the first 5 places as the most productive authors in publishing articles about academician Aziz Aliyev. The majority of the information in these articles is historical, covering Aziz Aliyev's military leadership and organization, his selfless contributions to Dagestan's development, and his status as a doctor of the people (Ismayilov, & Gasimli, H., 2022).

In general, the articles about the influential statesman can be grouped in two main directions (Ismayilov, & Khudiyeva, 2022):

1. Articles about his life
2. Articles about being an influential statesman, health organizer, great scientist.

Anyone interested in learning more about Aziz Aliyev's career history, military service, political involvement, and life accomplishments should read these articles. The analysis of the topic is not limited to books and articles, it is also possible to obtain detailed statistical information on bibliographic indexes, electronic resources, conference proceedings, official websites, and electronic databases (Ismayilov, Piraliyeva, & Şadlinski, 2022).

Thus, when analyzing the research works Aziz Aliyev, outstanding statesman and scientist, it is known that more resources have started to increase in the last 10 years than in previous years, and the majority of these resources are articles. This shows that the research works of the influential statesman are one of the current scientific directions (Ismayilov, & Sadigova, 2022).

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