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 Research Article

## The Comprehensive Study of Pedagogical Culture Across Global Educational Systems

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### ABSTRACT

This article presents a comprehensive bibliometric analysis of research on pedagogical culture based on 860 publications indexed in the Scopus database from 1988 to 2023. The study identifies major trends, top contributing countries, leading journals, institutions, and authors. It highlights a significant growth in scholarly interest, especially after 2009. The article also explores conceptual interpretations of pedagogical culture and its role in teacher education and professional development. The findings underscore the multidimensional nature of pedagogical culture, combining values, knowledge, creativity, and communication, and emphasize the importance of integrating this concept into global educational practice.

### KEYWORDS

Pedagogical culture, bibliometric analysis, teacher education, professional development, Scopus, educational trends, academic research, global education.

### INTRODUCTION

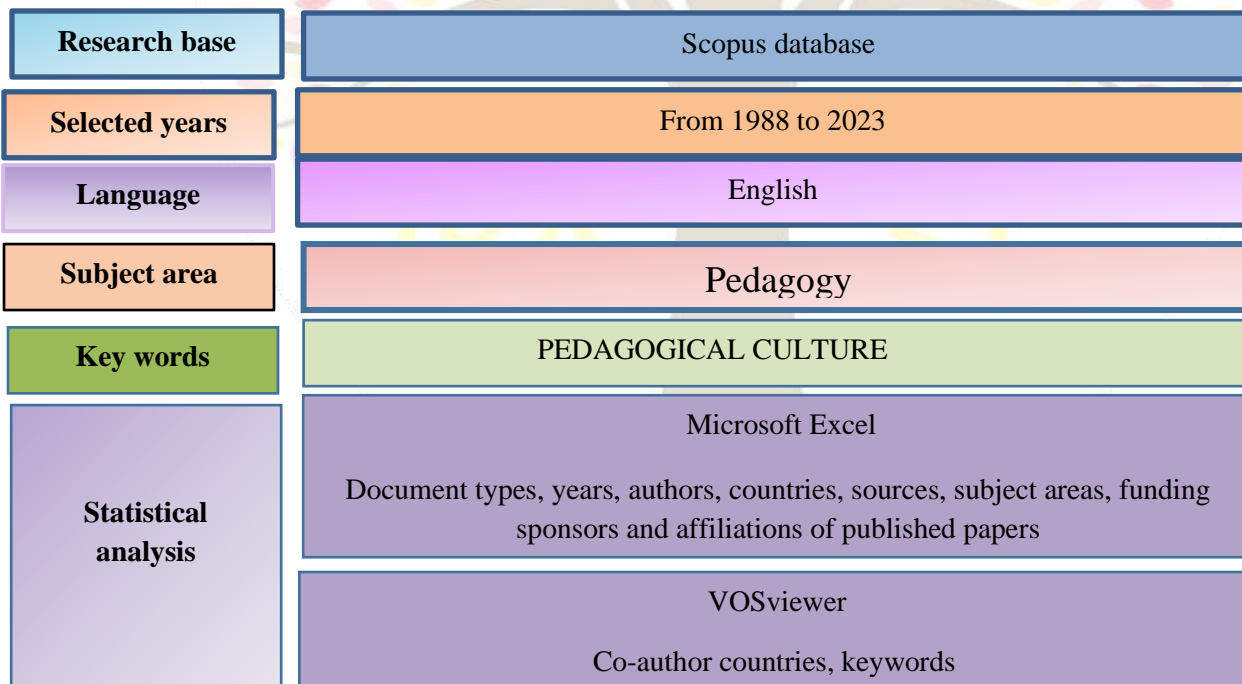
Pedagogical culture, as a concept deeply rooted in educational theory and practice, plays a vital role in

shaping the competencies, values, and teaching behaviors of educators. This study aims to explore

the scope and development of pedagogical culture in academic literature, using data sourced from the Scopus database over the period of 1988 to 2023. By analyzing 860 publications from various countries, journals, authors, and institutions, the research highlights key trends, influential contributors, and thematic clusters associated with pedagogical issues. It also sheds light on the evolution of scholarly attention to pedagogical culture, particularly its acceleration after 2009. This comprehensive bibliometric analysis provides insights into how pedagogical culture is being conceptualized and applied globally, informing future educational practices and policy-making.

## METHODOLOGY

Based on the objective of the research, three subject areas were selected from the Scopus database for the period of 1988-2023 all over the world. The search date was April, 15 2023. All publications were analyzed and reviewed using pedagogic culture as a keyword. A total of 860 based publications were sorted out for the further analysis on pedagogic culture issues .Then, a database was categorized including the year of publication, journal names, authors’ names, countries, the type of publication, the number of citations per paper, the number of citations per journal and the percentage of publications by the topic cluster name. At the end we analyzed the role on pedagogic culture issue of the world countries. Figure 1 shows the flow of the selected methodology for the research.



**Figure 1. Methodology flowchart for the research**

## RESULTS AND DISCUSSIONS

### 3.1 Published papers on pedagogical culture

The bar chart below illustrates information about total number of papers published on pedagogical culture in CIS countries from 1988 to 2023. Overall, 860 papers on pedagogical issues have been published by 2023, with those increasing dramatically after 2009.

Regarding early years of publications, there was no interest in the particular topic from 1999 to 1991,

between 1993 and 1996. In the year 1988, The number of published papers on pedagogical culture stood at 1, with it fluctuating next two decades, however the trend was upward and it reached to 19 papers on the particular topic in 2008.

In terms of last decades of published papers, the number of published papers on the topic experienced a dramatic rise from 19 to 33 in 2009. The years from 2013 to 2022 were the most productive for pedagogical issues in CIS countries, with the figure hitting a high of 78 in 2022.

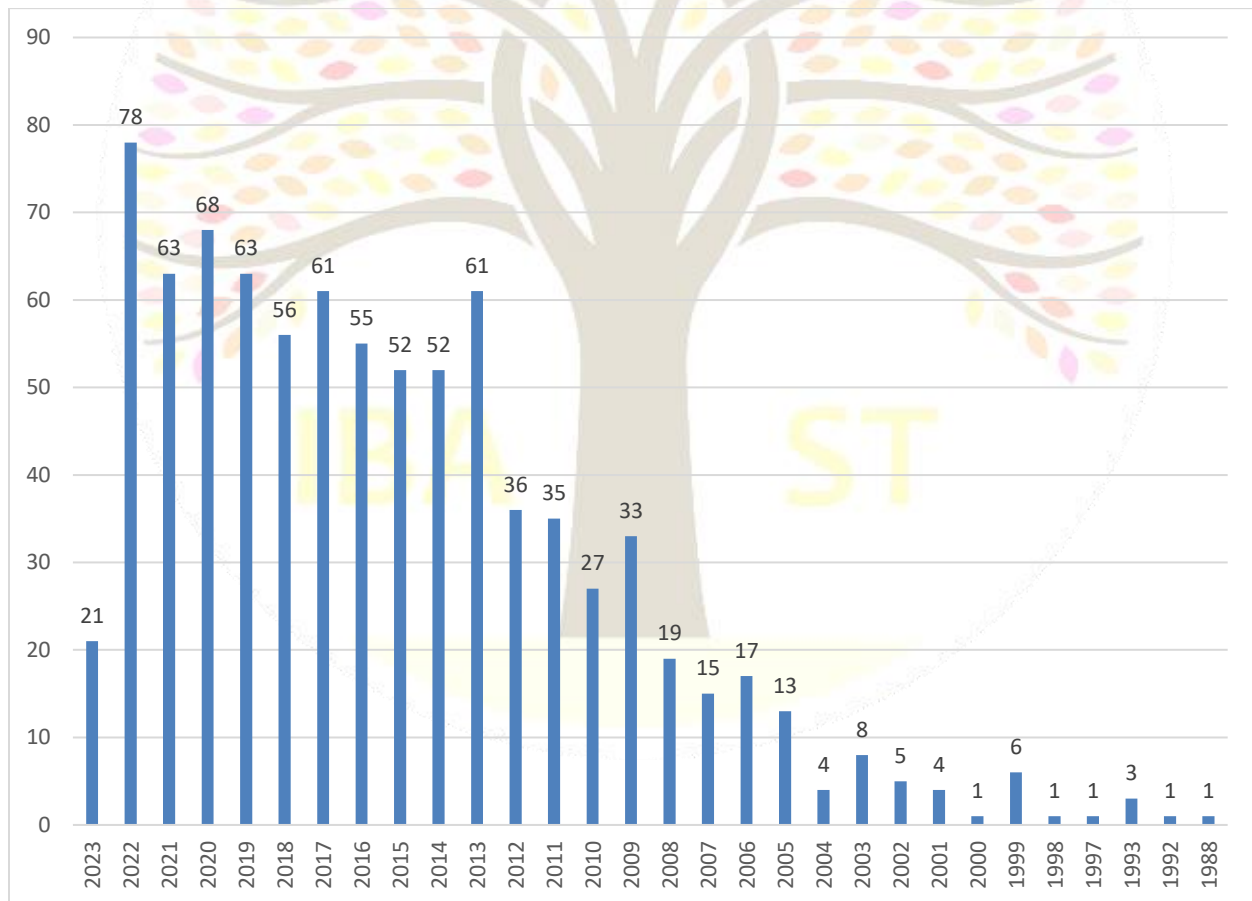


Figure 2 . Number of papers on pedagogical culture in CIS countries

3.2 Journals on pedagogical issues.

Selection of the appropriate journal is essential during the publication process. Scopus based 860 papers on pedagogical issue published in 159

different journals in 90 countries. Table 1 lists name of the 33 journals which published minimum 3 and higher number of papers during the abovementioned period.

Scopus Source title	Number	Scopus Source title	Number
Sustainability Switzerland	16	Foreign Language Annals	4
Pedagogy Culture And Society	14	International Journal Of Art And Design Education	4
Computers And Education	11	European Journal Of Science And Theology	4
Proceedings Frontiers In Education Conference Fie	11	Cultural Studies Of Science Education	4
Man In India	8	Environmental Education Research	4
Sport Education And Society	7	International Journal Of Intercultural Relations	4
International Journal Of Learning	6	International Studies Perspectives	4
International Journal Of Technology And Design Education	6	Journal Of Applied Research In Higher Education	4
British Journal Of Educational Technology	5	Journal Of Geography In Higher Education	4
Cbe Life Sciences Education	5	Journal Of Intellectual Disability Diagnosis And Treatment	4
Discourse	5	Journal Of Management Education	4
Education 3 13	5	Mediterranean Journal Of Social Sciences	4
Education Sciences	5	European Journal Of Dental Education	4
Journal Of Research In Science Teaching	5	Cultural Studies	4

### 3.3 Top authors on pedagogical culture

Authors play an important role in a development of the particular field of research in any region. During the period total of 158 different authors worked to publish 860 papers for the pedagogical

culture issue. Figure 3 lists authors who published 3 or more papers. Among the authors who worked on pedagogical culture , Wong,L.H , Rousseau,C , Khusainov ,Z.A , Harris, A, Brown , A.N and Giroux , H. A carried out research and wrote articles more about particular topic.

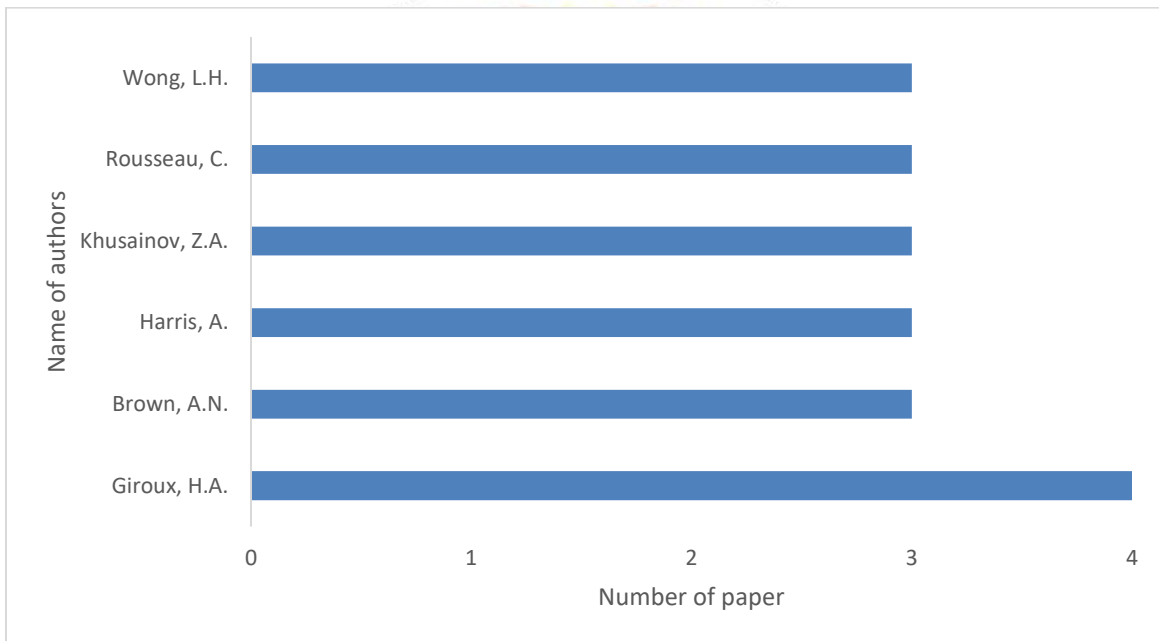


Figure 3. Top authors on pedagogical culture

### 3.4 Top countries on pedagogical issues

Number of countries participated in the research activities on a specific topic shows the degree of internationalization of the region. Total of 90 countries jointly worked on pedagogical culture issue in countries from 1988-2023. We have selected top 10 countries participated in

publishing of at least 23 and more publications in Figure 4. The top countries are leading, The United States with 269, The United Kingdom with 116, Australia with 84, Canada with 53, Russian Federation with 41, Finland with 29, New Zealand with 27, Brazil with 23, Germany with 19 and Spain with 19 publications.

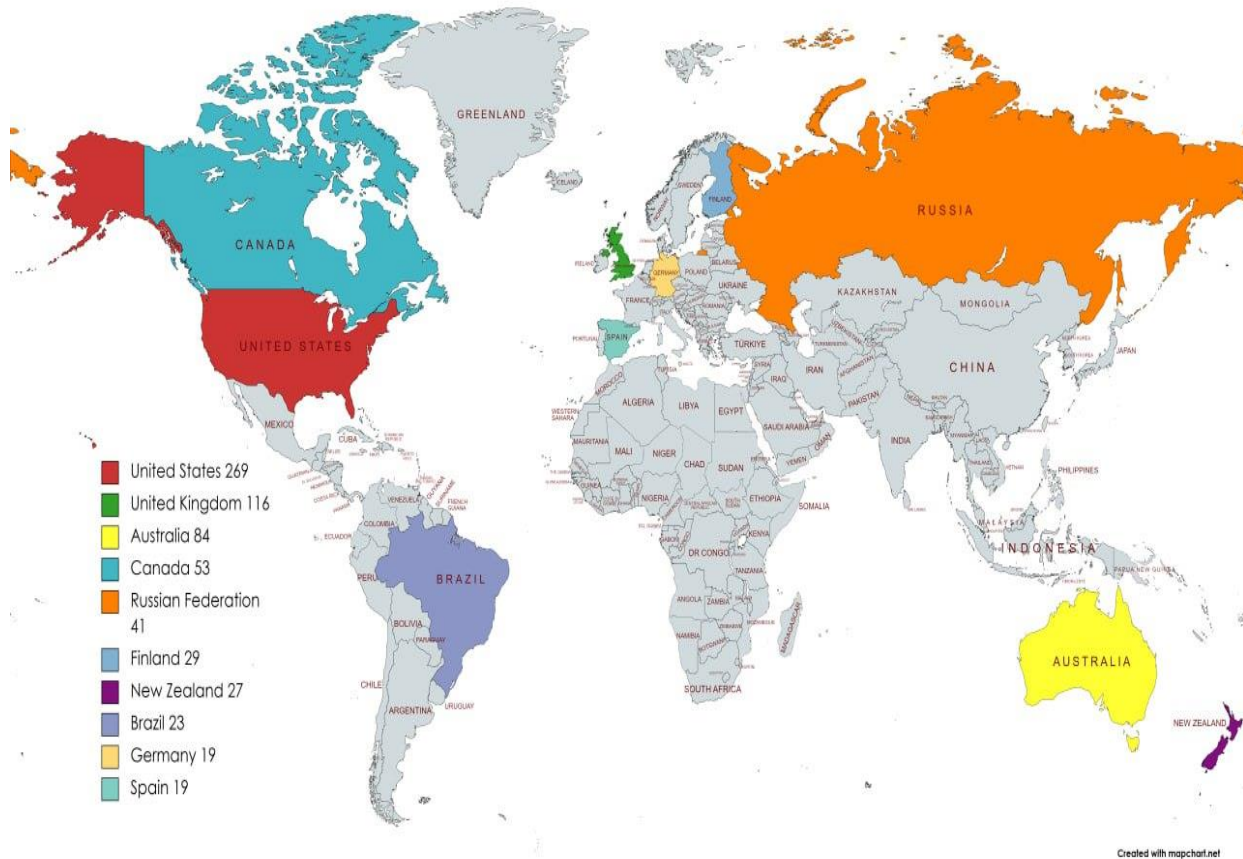


Figure 4 Top Countries on pedagogical issues

### 3.5 Top institutions on pedagogical culture

Ranking of institutions mostly based on the quality of the papers published by the researchers of that institutions. One hundred sixty different institutions worked in cooperation to publish 860 papers on pedagogical issues, the world over, for the period of 1988-2023. Top of institutions shown

in Figure 5. Kazan Federal University and University of Melbourne were dominant in the number of publications, at 10 and 14 respectively while Pennsylvania State University, Valdosta State University and Leeds Beckett University were modest productive, with those publishing a mere 3 publications.

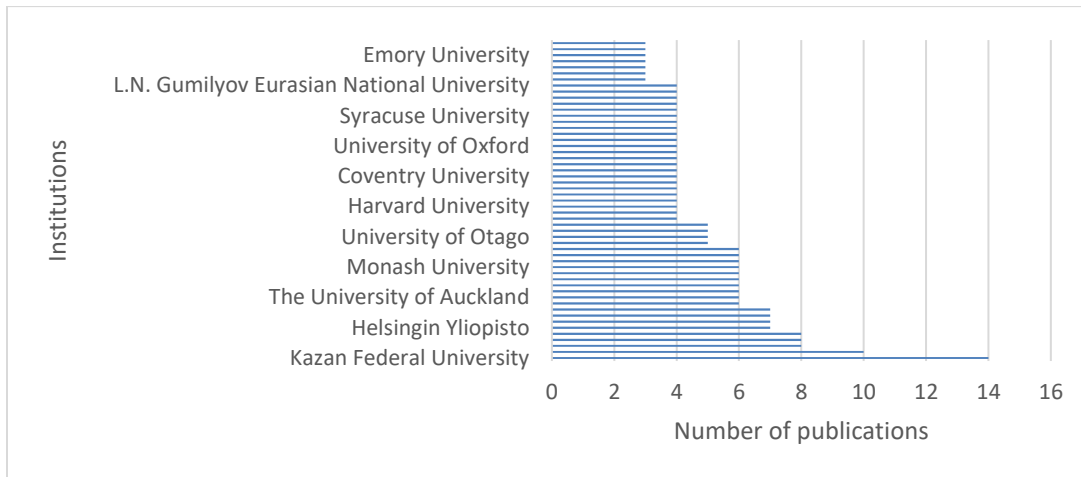


Figure 5 Top Universities

### 3.6 Publication type on pedagogical culture

Researchers show their results with different publication types, Papers published on pedagogical culture issues for the given period presented in 8 different publication types shown in Figure 6.

Furthermore, our research shows that the largest percentage 76% of 860 papers were research articles, followed by 12% articles in conference proceedings, and book chapters and review made up a mere 6% and 4% in that order.

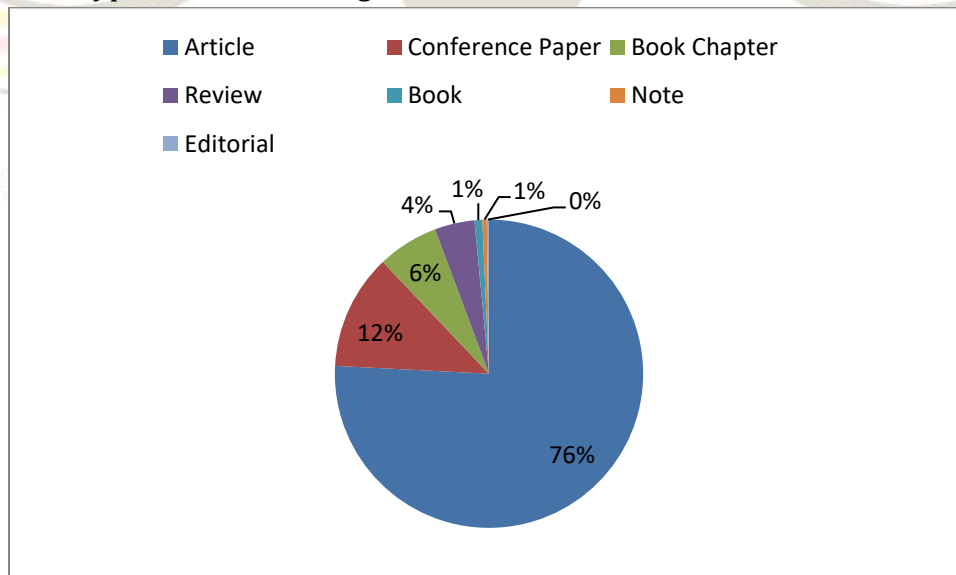
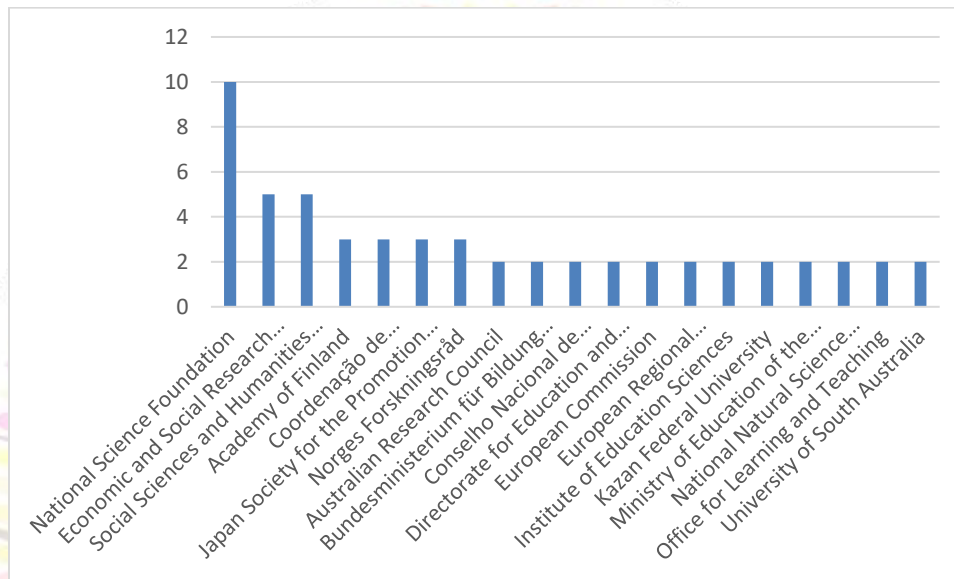


Figure 6. Publication types on pedagogical culture

### 3.10 Top funding sponsors and cluster name on pedagogical culture

There is a relationship between prevalence of affiliated countries and funding of large funding schemes and programs. Fifty-nine different

funding sponsors worked in cooperation to publish papers on soil erosion over the world the period of 1961-2022. Based on our analysis of the top 15 funding sponsors publications on pedagogy, we were able to identify the most influential and productive institutions in the field (see Fig.7).



### 3.11 Top co-authorships and keywords on pedagogical issues

Co-authorship, keyword co-occurrences, citations, bibliographic coupling, and co-citation maps can be generated using VOSviewer based on bibliographic data. The raw file was imported into VOSviewer

and a map of co-authorship and keyword co-occurrences (shown in Figure 6,7 ) were created using the software.





the creative transformation of educational activity. The analysis of scientific literature has shown that pedagogical culture is seen as part of human culture (E.V. Bondarevskaya); the integral quality of the teacher's personality, which projects his common culture to the profession, the synthesis of high professionalism and the internal properties of the teacher's personality, the possession of the teaching's methods and the presence of the cultural-creative skills (N.E. Vorobjev); a certain range of the value relations to education and child, which objectively and practically is implemented in the educational process (N.B. Krylova); a set of intellectual, moral, aesthetic, emotional and verbal cultures, which basis is the teacher's common culture (V.A. Sukhomlinsky).

How successful a future teacher's professional activity is depends on the degree of compliance of personal and professional qualities, that is, professional culture with professional requirements. In other words, the teacher's professional culture is an important sign of readiness for professional activity. The design of pedagogical culture in the field of teacher's professional activity is reflected in the concept of "teacher's professional culture". In addition, it is necessary to analyze the term "professional-pedagogical culture" after considering the concept of "Future teacher's professional culture". According to the team of authors led by V.A. According to Slastenin, the concept of "professional-pedagogical culture of a future teacher" is understood as a part of pedagogical culture, but its carriers are people who carry out pedagogical work consisting of pedagogical activity

and pedagogical communication at the professional level, and carriers are part of pedagogical culture. Pedagogical culture is people engaged in pedagogical practice, even at a non-professional level. At the same time, if we talk about the teacher's pedagogical culture, it is undoubtedly a part of his professional culture. In addition, I.F. Isaev, V.A. Slastenin and others distinguish three components of professional and pedagogical culture:

- axiological component, including a set of pedagogical values;
- technological component, including methods of pedagogical activity
- personal-creative component, including personal characteristics and pedagogical creativity [2], [1].

In our work, we define the concepts of "professional culture of a future teacher" and "professional and pedagogical culture", because both concepts include a set of qualities necessary for a teacher to perform his professional activities.

O.G. As noted by Skvortsova, the professional culture of a university teacher covers the entire sphere of his professional and pedagogical reality [3]. The concept of "professional culture" of the teacher A.P. Sitnik as a combination of general culture and professional knowledge of a person necessary for successful implementation of pedagogical activities. The author distinguished five components of professional culture: general, moral, philosophical, aesthetic and pedagogical culture. At the same time, it should be noted that

pedagogical culture is an element of teacher's professional culture [4].

A.M. Trudkov divided the professional culture of a future music teacher into several components, which include a system of values, setting activity goals, a system of activity tools and methods, information and operational resources, objects of professional activity [5].

## CONCLUSION

This bibliometric analysis reveals a significant growth in research related to pedagogical culture, especially between 2009 and 2023, indicating a growing academic interest in this field. The findings underscore the contributions of leading countries such as the United States and the Russian Federation, as well as prominent institutions and authors who have shaped the discourse. Pedagogical culture emerges as a multidimensional construct encompassing professional knowledge, value systems, communication practices, and cultural awareness, which are essential for effective teaching. Understanding and fostering pedagogical culture is crucial for preparing future educators, improving teaching quality, and promoting culturally responsive education. The study emphasizes the need for continued research and international collaboration to further refine and implement pedagogical culture in educational systems worldwide.

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