



ISSUES THAT NEED ATTENTION IN IMPROVING THE QUALITY OF THE PEOPLE'S POLICE EDUCATION SCIENCE IN THE 4.0 INDUSTRIAL ERA

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Abstract: In this article, the author presents the basic issues to improve the quality of Vietnamese scientific journals in general and the quality of the People's Police Education Science Journal in particular. The article has outlined the current situation of Vietnamese scientific journals; Some international experiences in the evaluation and improvement of the quality of scientific journals; Proposing some solutions to improve the quality of the the People's Police Education Science Journal . Thereby helping the school's magazine become more and more prestigious, develop and become one of the well-known magazines.

Keywords: journal, scientific journal, industry 4.0 era, review and improve the quality of journals, scientific research, experience.

I. INTRODUCTION

Scientific journals are tools and means in training, scientific research, technology transfer, and important portals of a higher education institution. From here, society and scientists can recognize, "format", evaluate the capacity, reputation, brand, and the connection of the higher education institution with relevant individuals and units. particular and society in general. According to university rankings in the world, the quantity and quality of international publications by lecturers and the reputation of scientific journals are also very basic and highly weighted criteria to rank the top universities in the world five universities.

The editorial board of the People's Police Education Science Journal in particular and the editorial boards of Vietnamese scientific journals in general have made great efforts to improve and improve the quality of both content and form. But in order to continue to improve the quality of science, the governing bodies and the journals themselves still have to make great efforts, especially actively striving to gradually meet international standards, which is becoming increasingly important and necessary.

II. THE STATUS OF VIETNAM'S SCIENCE MATERIALS CURRENTLY

As we have informed in "Guidelines for consideration and recognition of qualified professors and associate professors in 2017", in 2017, 387 scientific journals were approved by the State Council for Professor Titles. (SCFPT) included in the list of peer-reviewed scientific journals. Almost all ministries, branches, professional associations, universities, universities and research institutes have their own journals. Large higher education institutions have up to 2 or 3 scientific journals, for example, Hanoi National University currently has 3 journals: Journal of Science, Journal of Social Sciences and Humanities, and Journal of Research foreign.

The Vietnam Academy of Science and Technology has more than 10 journals, almost all of the specialized institutes under it. The same is true of the Vietnam Academy of Social Sciences. There are many scientific journals born very early, such as: History Research Journal (June 1954), Vietnam Medical Journal (May 1955), Literature Research Journal (January 1960). , Journal of Agricultural Science and Technology (1962), Acta Mathematica Vietnamica (1964), Vietnam Journal of Mathematics (1973). Many journals have become the pride of Vietnamese science and the authors have articles published in them. Those are prestigious, high-quality journals that always provide useful scientific information, explanations and suggestions, contributing to the development of specialized sciences in particular and the construction career. defense of the Fatherland in general. This is also a useful source of information for the world and overseas Vietnamese to learn and research Vietnam.



However, in the face of the country's requirements in the new situation, Vietnamese scientific journals still reveal some shortcomings.

An overview of the classification of scientific journals by ISI, ISSN index for journals, ISBN for books and the relationship between ISI and Scopus through numbers: ISI = 10,200; Scopus = 18,500; (ISI) \cap (Scopus) \approx 70% of ISI \approx 7,000.

Some preliminary comparative figures show that although we have made many efforts, the quality of Vietnam's current scientific journals is still quite low compared to the level of ASEAN region and the world. As of April 11, 2017, 387 Vietnamese scientific journals have been included in the list of peer-reviewed journals of the State Council for Professor Title (SOC). Of these, only 6 journals are listed in Scopus (i): Vietnam Journal of Mathematics of the Vietnam Mathematical Association and the Vietnam Academy of Science and Technology; (ii): Acta Mathematica Vietnamica of the Vietnam Academy of Science and Technology; (iii): Advances in Natural Sciences : Nanoscience and Nanotechnology (ANSN) of Vietnam National University, Hanoi; (iv): Journal of Science: Advanced Materials and Devices (JSAMD) of Hanoi National University in cooperation with Elsevier Publishing House; (v): Journal of Biomedical Research and Therapy (ISSN: 21984093) (this journal has entered the Web of Science/ESCI since 2016) of the Stem Cell Institute, College of Natural Sciences, City National University Ho Chi Minh City; (vi): Progress in Stem Cell (ISSN: 21994633) journal of the Stem Cell Institute, University of Natural Sciences, Vietnam National University, Ho Chi Minh City).

The State Council for Professor Title would like to congratulate the success of the above journals and congratulate Vietnam National University, Hanoi, and Vietnam National University, Ho Chi Minh City. The State Council for Professor Title wishes to have more and more Vietnamese journals listed in the ISI system's journal list, Scopus.

Thus, out of the 387 journals mentioned above, Vietnam only has 6 (\approx 1.55%) journals on the Scopus list, none on the ISI list and only 35 journals with equivalent degrees. English or Vietnamese-English bilingual (\approx 9.04%). Meanwhile, according to statistics of ACI (Asean Citation Index), by the end of 2016, the number of scientific journals under ISI/Scopus of Asian countries are as follows: China 538, Japan 459, Singapore 101, Malaysia 69, Thailand 23, Philippines 21, Indonesia 12, Vietnam 3. The entire ASEAN region has 225 journals under ISI/Scopus, Vietnam only accounts for 3.

Since 2016, there have been 2 Vietnamese economic journals named in the ACI (Asian Citation Index) list: Journal of Economics and Development of National Economics University and Journal of Economic Development of University. Economy of Ho Chi Minh City.

Through the review of the list of scientific journals that are awarded points for converted scientific works by the State Council for Professor Title in 2017, we found the following problems of Vietnamese scientific journals:

Firstly, the number of scientific journals is high, but the quality is still low; Secondly, the nature of information, encouragement, and propaganda in some places, sometimes even overwhelms scientific discovery, criticism and debate; Thirdly, the forum and the scientific system, the specialization, the interdisciplinary is still weak. The predictability of the problems of economic and social life and the deep analysis and interpretation of the necessary and pressing issues of reality are still limited; Fourthly, most of the editorial board, reviewers of scientific articles and the team of authors belong to the same unit and have not yet expanded to other units.

The number of foreign scientists or overseas Vietnamese who join the editorial board, participate in the review of articles or publish articles in Vietnamese scientific journals is still very limited. The article evaluation process also has many shortcomings, not following international practices; Fifthly, the format of many journals is still outdated, there are no default minimum information as international practice has existed for a long time; For example, there is no abstract of the article in Vietnamese and English (summary/abstract), keywords (keywords), date the editorial received the article (received), date of review, evaluation and correction (revised), date articles approved for publication, references; Sixthly, the system of scientific journals in our country is mostly journals published in Vietnamese and subsidized with funding.

Up to now, Vietnam has not had a set of national criteria, a national evaluation system and a process for evaluating the quality of scientific journals in the direction of the industrial 4.0 era. As a scientist has commented: in our country, scientific publication is being used as a measure to evaluate lecturers, scientists and higher education institutions in many fields but by itself, here are the journals, but there are no standard criteria as a measure.



III. SOME INTERNATIONAL EXPERIENCE ON EVALUATION AND IMPROVEMENT OF THE QUALITY OF SCIENCE JOURNAL

Currently, scientific journals of developed countries are aiming for widely recognized standards. The opinion is agreed by the majority of scientists: a journal called an international standard journal or an international journal is a journal cited in reputable scientific and technological databases, including including Thomson Reuters (Web of Science, formerly known as ISI) and Scopus. However, in fact, in each specialty, a number of separate databases have been established and widely accepted such as Pubmed (biomedical major), Embase (biomedical major), ...

Web of Science is a product of Thomson Reuters, a powerful and complete tool for finding, tracking, measuring and collaborating in science. In particular, a number of selected databases with quality journals (according to Thomson Reuters' standards) called Web of Science Core Collection such as:

- Science Citation Index Expanded (SCIE; from 1975 to present),
- Social Sciences Citation Index (SSCI, from 1975 to present),
- Arts & Humanities Citation Index (A&HCI, from 1975 to present),
- Conference Proceedings Citation Index- Science (CPCI-S, 1990 to present),
- Conference Proceedings Citation Index- Social Science & Humanities (CPCI-SSH, 1990 to present),
- Emerging Sources Citation Index (ESCI, 2015 to present).

Journals that meet the standards of Web of Science (ISI) will be listed in the Master Journal List. After that, the journal will be selected into the databases of the Web of Science Core Collection and/or some other databases associated with the Web of Science such as Biological Abstract, Zoological Record, etc.

Scopus is also a reputable source of data for scientific research. For Scopus, new journals are constantly being validated for inclusion in the database. In order to ensure that the policy and content are transparent and open, the Scopus Content Selection and Advisory Board (CSAB) was established in 2005, including scientists, administrators. Specialized library management from all scientific disciplines and territories. The main function of this Council is to assist Scopus leadership in the selection, content appraisal and strategy formulation.

Before October 2009, CSAB appraised scientific journals based on the following 3 criteria: (i) Scientific journals must have titles and abstracts in English (articles can be in other languages.); (ii) The publishing period is as committed with a minimum publishing frequency of one year; (iii) Journal quality should be ensured based on an assessment of the journal's quality and influence in the industry including publisher reputation, author diversity, editorial board membership, the level of awareness about the journal by reputable editors, the journal implements quality control standards.

Since October 2009, Scopus uses the STEP scoring system to evaluate scientific publications based on the following five main criteria:

1. Journal policy (35% of the score);
2. Content (20% of the score);
3. The level of citation (25% of the score);
4. Timeliness, punctuality (10% of points);
5. The content of the journal is in the online database system (10% of the score).

Currently, the evaluation of scientific journals is through many different channels such as: structure, composition of editorial board, team of authors, parameters created on the basis of citation statistics, the journal's attributes as a publication... Every year, on the basis of submitted applications, Thomson Reuters conducts a survey of approximately 2,000 scientific journal titles worldwide, and through that, choose 10-12% to update to your database system. This is the database system that reflects the prestige of scientific journals. This work is carried out continuously, and has become a scientific tradition. Essentially, the experts who do the evaluation, compilation of statistics and selection of Thomson Reuters journals are all assigned on the principle of high level of specialization: They are trained in the very disciplines of research. majors/fields of science mentioned in the journals they handle.

- Expression language and bibliographic information of research articles published in journals: That fact shows that scientists who use English to publish their research results still have many opportunities to more social in communicating with colleagues around the world. Although it cannot be required that all scientific works be presented in English, Thomson Reuters does require scientific journals to at least provide scientists around the world with information and



Summary of research work in English. This is one of the necessary conditions for this organization to consider and select a scientific journal into its database system. It can also be seen that this is just a more or less perfunctory requirement, because Thomson Reuters always requires in each scientific journal the international character for the editorial board as well as for the author team. research articles. To achieve these requirements, invisible medium is more difficult than publishing a journal in English.

- The international diversity of the journal editorial board: The main task of the journal Editorial Board is to identify/orient the scientific content topics to be discussed and to evaluate the scientific validity of the journals. The project will be published. A scientific journal with international prestige, impact and important role for the scientific community in the world needs to be directly participated by a team of reputable scientists from different countries. participate in the work of identifying the content topics to be discussed as well as the appraisal and evaluation of manuscripts of research works so that there is sufficient scientific basis for widespread dissemination.

These scientists work according to a unified process, often closed review, to determine whether submitted manuscripts meet the necessary and conditions (scientific? novelty? other works?...) published or not. Usually, prestigious journals in the world build, organize and maintain a team of prestigious scientists in many different scientific communities around the world participating in the Editorial Council.

- The international diversity of the team of authors of the works published in the journal: The fact that a scientific journal (especially in developing countries) regularly publishes works by foreign authors proves that shows that the journal has become a forum for scientists abroad, the scope of influence of the journal has extended beyond the territory of that country. On the other hand, also thanks to the publication of scientific works of foreign authors, the opportunity to receive new information and research achievements, the process of scientific exchange on a regional and international scale for Vietnamese students and teachers. Indigenous scientists become more profound and sustainable.

It should be noted that the publication of research works by foreign authors through the translation that the journal editorial board actively proposes is fundamentally different from that of a foreign scientist actively involved in the research. and regularly submit articles to the journal. In the first case, it can only be concluded: The journal has tried to provide domestic scientists with foreign research achievements. For the latter case, in addition to the above conclusion, there is also a basis to affirm: the journal has become a forum for the scientific community in the world.

Two factors The International Diversity of the Editorial Council and the International Diversity of the Authors are extremely important, directly determining the scientific quality of the published works and, therefore, the quality of the published works. scientific volume of the journal.

- Data on citation information of the journal: A journal that is cited many times is always rated as having high quality and prestige. Therefore, the statistics on the number of citations to the journal (temporarily called the number of citations) is an important parameter: This data is used by Thomson Reuters according to the principle from high to low, to select and rank journals and to update new journals and compile Journal Citation Reports. It is necessary to distinguish two components of the number of citations in general: the number of times that other journals and sources cite (the number of external citations) and the number of times that the journal itself cites (number of self-quotes). Thomson Reuters also offers an assessment of the relationship between the number of external citations and the number of self-citations of journals: generally, the number of self-citations of journals should not exceed 20% of the total number of citations. quote. For new journals or journals with new content topics, journals whose topics are regional, a high number of self-citations can still be considered reasonable because of the large number of journals. There is little, even little, of content related to that journal.

- Types of indexes that reflect the impact and influence of journals on the scientific community and scientific development: As mentioned above, in this group that ISI uses are Impact Factor - IF, Journal Immediacy Index (JImI), Cited Half-Life... are the parameters for rating, evaluating, classifying, and comparing journals..

IV. PROPOSED SOME SOLUTIONS

In order to improve the quality of scientific journals according to the industrial era 4.0, we propose:

- Firstly, the Journal of the People's Police University must participate in the VCI (Vietnam Citation Index) system. Currently, VCI has completed the system to be ready to update the database of journals. This is the basis to then join the ACI system and other systems in the region and in the world;



- Secondly, to improve and renew the journal according to VCI's standards;
- Thirdly, urgently have separate numbers in English for specialized and interdisciplinary numbers;
- Fourthly, have a strategy to develop the teaching staff, especially the strategy to develop the team of professors, associate professors, and doctors. Pay more attention to the development of english ability for lecturers and researchers;
- Fifthly, have a strategy to link the publication of scientific journals, link teams with leading universities and research institutes in the country and with prestigious universities and research institutes in the region and in the world..

V. CONCLUSION

Improving the quality of the university's scientific journals to meet the requirements of the 4.0 industry has become an urgent requirement today, marking more of the school's development.

In order to gradually meet the requirements of integration in the 4.0 era and ensure the good implementation of the goals and tasks of protecting national security, ensuring social order and safety, the University's Journal of Education and Science and Public Security is the best. it is necessary to have a clear and strict preparation and orientation in the coming time: to strictly comply with the principles, purposes and provisions of the law; enhance the scientific character of the journal; strengthen coordination in organizing scientific seminars; it is necessary to have a roadmap to gradually improve the criteria to reach a prestigious and international magazine; improve the quality of magazine staff in terms of both quantity and quality.

A strong higher education institution is one that always knows how to get ahead, especially in the current era of industry 4.0 and globalization.

REFERENCES

- [1]. State council for professor titles, guidelines for considering and recognizing standards for the title of professor, associate professor in 2017.
- [2]. Pham Duy Hien, A comparative study of research capabilities of East Asian countries and implications for Vietnam, High Educ., (Springer), Vol. 60, p. 615–626, 2010.
- [3]. Pham Duy Hien, Nguyen Van Tuan, Nguyen Huu Duc, Pham Duc Chinh, through the following links:
<http://vietsciences.free.fr/khaocuu/congtrinhkhoahoc/khoahocvadaihocvn.htm>);
http://www.ykhoanet.com/binhluan/nguyenvantuan/071229_nguyenvantuan-nguyendinhnguyen_chatluong-nckh-vietnam.htm);<http://www.pnas.org/cgi/content/abstract/102/46/16569>.
- [4]. Journal of Science and Technology, Ministry of Science and Technology.
- [5]. Information sources from ISSN Vietnam Center, National Administration of Science and Technology Information, Ministry of Science and Technology and from Department of Publication, Printing and Distribution, Ministry of Information and Communications.
- [6]. <http://www.tuidandanhgon.vn/tabid/88/itemid/9805/search/william-arthur-ward/default.aspx>