

# Role of Scientific Research for Lecturers of Current Universities

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## Abstract

*Scientific research for university lecturers plays an important role in training creative thinking ability, research capacity and scientific working style for researchers. This contributes to clarifying some scientific issues and solving practical problems that arise in order to improve the quality of teaching. This article focuses on analyzing some issues about the role of scientific research for university lecturers today.*

**Keywords—** Role, scientific research, lecturer, university, science.

## I. INTRODUCTION

Scientific research is an activity of finding, examining, investigating, or testing based on data, documents, knowledge, etc. obtained from scientific research experiments to discover new things about the nature of things, about the natural and social world, and to create new higher and more valuable methods and technical means; especially results from scientific research have practical value (Ministry of Education and Training, 2000). The purpose of scientific research of lecturers at universities is to help researchers approach and familiarize themselves with the scientific environment and scientific working methods. Thereby, contributing to clarifying a number of scientific issues and solving practical problems that arise in order to improve the quality of teaching.

At the current universities, the main and most important tasks of the lecturers are: training and scientific research. These are two activities that have an organic relationship and are the basic strategic mission of the school. The active participation of lecturers in scientific research activities is one of the important - mandatory - necessary measures to improve training quality and better meet the increasingly stringent demands of society (Aydin, O.T, 2017).

However, in the past time, scientific research activities of lecturers at universities are still quite lackluster, facing many limitations and inadequacies, have not received proper attention, not commensurate with the teacher's professional duties.

Recognizing the benefits of scientific research activities for lecturers, universities now always focus and encourage lecturers to participate in scientific research. Besides, the school always creates all conditions to

encourage lecturers to approach scientific research. The school also determines that scientific research is a mandatory task for each faculty member. In order to raise their awareness and responsibility, each lecturer has voluntarily and actively researched and registered to do scientific projects, wrote articles for publication in international and domestic journals. As a result, scientific research activities of the lecturers have developed in terms of quantity, quality and effectiveness.

## II. ROLE OF SCIENTIFIC RESEARCH FOR UNIVERSITY LECTURERS

The participation of university lecturers in scientific research contributes to improving the quality of the teaching staff and at the same time improving the quality of teaching. Being well aware of the important role of scientific research, so far, scientific research has always been highly emphasized and focused by universities, set as a mandatory, regular and important task, is considered as an important leading criterion to evaluate the comprehensive ability of lecturers (Ministry of Education and Training, 2007). Especially in the current period of integration and development, participating in scientific research activities will bring benefits:

First: Help lecturers have the opportunity to grasp more deeply the professional knowledge they are directly teaching so that they can promptly adjust and supplement inaccurate and outdated knowledge content in their lectures.

Second: Help researchers both consolidate their professional knowledge and broaden their understanding of knowledge from other disciplines.

Third: Help lecturers themselves "update" information and knowledge in a really effective way. Moreover, scientific research helps lecturers "enlighten" with new knowledge from different sources to evaluate and improve their own knowledge.

Fourthly: Contribute to the development of teachers' thinking, creativity, ability to work independently, cultivate knowledge and scientific cognitive methods. At the same time, help lecturers to form the qualities of researchers.

Fifth: Bring opportunities to foster scientific research capacity. This is also a necessary basis for conducting innovation in teaching content and methods to contribute to improving the quality of training.

Sixth: Make an important contribution to affirm the school's reputation with other schools in the country. Each article participating in the conference was highly appreciated, each scientific research project at all levels, each article published in specialized journals with the names of lecturers associated with the school's name is once the brand and reputation of the school is shown.

Seventh: Expand the necessary social relationships during the working process. During the implementation of the scientific research project, the lecturer will learn a lot from fellow lecturers, from the members participating in the topic.

In the context of exchange and integration of our country today, in order to affirm the role of scientific research, universities always aim at the goal of "Each university is a research institute". The good reputation of the school is not something general or abstract, but it must be shown through the achievements and contributions of each staff, lecturer, and student of the school. Individual achievements contribute to the collective achievement.

### III. SOLUTIONS ORIENTED SCIENTIFIC RESEARCH FOR UNIVERSITY LECTURERS

In order for the faculty's scientific research activities to develop further, it is necessary to implement some solutions to the university's scientific research resources and the university's scientific research policy as follows:

*\* For universities, it is necessary to strengthen scientific research resources through the implementation of a number of specific prizes as follows:*

- Innovating and developing science and technology infrastructure and information, faculties/departments need to have a mechanism to allow inter-connected exploitation and effective use of infrastructure and scientific information;

- Strengthening the role of science and technology management in developing scientific research activities of lecturers through specific plans for each lecturer over time, considering it a mandatory task to be performed during the school year. Implement a special mechanism to attract and employ highly qualified scientists and other schemes, projects and programs (training and research) as ordered by the Party, State, Government and ministries and departments; branch (Chu Thi Thi Trang, 2021)

- Increase funding for scientific research activities such as: Funding for collaborators, thesis reviewers, and research groups. There is a mechanism to encourage lecturers to participate in scientific research through material and spiritual rewards to honor individuals with outstanding achievements in scientific research activities. In particular, it is necessary to further increase the level of funding to support international scientific publication, intellectual property registration, commercialization of scientific research products, or support capital to carry out scientific research works;

- Promote the mechanism of allocating funds for scientific research in the direction of ordering, according to output products, according to priority and key tasks. Invest to further improve the connection with domestic and foreign valuable databases;...

*\* For universities, it is necessary to improve the policy of scientific research through a number of specific solutions as follows:*

- Establish a scientific research club in the school and organize regular club activities, creating favorable conditions for young lecturers to participate in working on topics with experienced people. Lecturers in different subjects and different faculties can work together to research related works and issues. Focusing on linking the results of performing scientific research tasks of lecturers, officials and employees with the arrangement and use of staff. Specifically, there should be a priority policy in planning and appointing staff for lecturers, officials and employees with excellent achievements in scientific research;

- At the beginning of the school year, make a plan to assign tasks to each lecturer to participate in scientific research activities: Register topics at all levels, write newspapers and publish journals at school and outside the school, create science and technology.

- The university needs to take the quality and effectiveness of scientific research as the standard in evaluating the emulation classification of lecturers in order to improve the effectiveness of scientific research activities of the lecturers. Introduce sanctions for lecturers who do not complete scientific research tasks during the school year (Tran Mai Uoc, 2011).

- To further promote the role of the scientific council in the faculty, such as: advising, contributing, and helping lecturers to participate in scientific research.

- Innovating preferential policies (especially in terms of income), taking advantage of and building a good working environment in each unit so that scientists can maximize their creativity and stick with the university.

- Creating more motivation for lecturers, especially renewing the reward policy on scientific research at universities.

#### IV. CONCLUSION

In the context of current globalization, with the important role of scientific knowledge, the promotion of scientific research among lecturers is more and more practical. Scientific research activities of lecturers are a very important activity in improving the quality of training, turning the training process into a self-training process. This is also a necessary basis to conduct innovation in teaching content and methods, contributing to improving the quality of training, meeting the increasing demands of society, in order to train, foster and develop human resources, especially high-quality human resources, contributing to improving the quality of training, meeting the increasing demands of society. Therefore, each lecturer needs to be properly aware of his/her own benefits and responsibilities with scientific research activities. Depending on professional qualifications and research capacity, each lecturer needs to set specific scientific research objectives and choose an appropriate approach to scientific research activities to help self-improve professional qualifications and research capacity, assert themselves, meet the requirements and assigned tasks in the new social context.

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