

scanning tunnelling microscopy	['skæniŋ 'tʌnəlɪŋ maɪ 'krɒskəpɪ]	сканирующая туннельная микроскопия
contact atomic force microscopy	['kɒntækt ə'tɒmɪk fɔ:s maɪ 'krɒskəpɪ]	контактная атомно-силовая микроскопия
amplitude modulation AFM	['æmplɪtju:d mɒdju'leɪʃn]	амплитудно-модуляционная АСМ
non-contact AFM	[nɒn-'kɒntækt]	"бесконтактная" АСМ

Figure 1 – The fragment of the dictionary

It should be noted that all concepts in the dictionary are located in a chronological order, i.e. as they appear in the text. Because this order location of terms and concepts is the most convenient in the study of methodological descriptions for laboratory work.

As a result of the performed work, the methodical support for laboratory work number one "Obtaining the first SPM image by contact AFM" was obtained. This methodological support in English has a practical importance, as it can be used by students of multilingual groups and teachers during execution of laboratory work with a scanning probe microscope.

References:

1. Article "Trilingual education in Kazakhstan is being implemented in stages" - <https://www.zakon.kz/4891234-trehyazychnoe-obuchenie-v-kazahstane.html> (valid as of September 2018)
2. Message of the president of the Republic of Kazakhstan N. Nazarbayev to the people of Kazakhstan from January 10, 2018 "New opportunities for development in the fourth industrial revolution." Task-seventh: "Human capital - the basis of modernization" – <http://www.zakon.kz/4897960-poslanie-prezidenta-respubliki.html> (valid as of September 2018)

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CONCEPTUAL PECULIARITIES OF MULTILINGUAL EDUCATION IMPLEMENTATION IN THE SPHERE OF HIGHER EDUCATION

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The President of Kazakhstan, Nursultan Nazarbayev, marked the beginning of the phased implementation of the cultural project "Trinity of Languages". This project, along with the spiritual development of the people of Kazakhstan, was identified as a separate point of the internal domestic policy.

"Kazakhstan should be perceived throughout the world as a highly educated country whose population uses three languages. These are: the Kazakh language as the state language, Russian as the language of international communication, and English as the language of successful integration into the global economy", - said the President. Also, the Leader of the Nation at the XVth session of the Assembly of People of Kazakhstan noted that "... It is necessary to intensify the development of Kazakh, Russian and English in the country and translate this work into a practical plane".

Thus, the idea of a trinity is expressed by a simple and understandable formula: we develop the state language, we support Russian, and we learn English. Mastering these three languages by the citizens of our country is the confirmation of the competitiveness of the country and our Kazakhstani nation as a whole.

The declared policy of the trinity of the languages is implemented in various spheres of public life. In the educational environment, it is reflected in educational, scientific and upbringing types of work with students of the universities, colleges, technical schools, pupils in schools and lyceums, kids in the kindergarten, etc.

Carrying out the orders of the Head of State, in M. Kozybayev North-Kazakhstan State University, as well as in other universities of our country, multilingual groups are being and already have been formed. Teaching process in these groups is conducted in 3 languages – Kazakh, Russian and English.

Let's discuss the problems and the ways of their decision.

Until recently, the lack of the textbooks in English for the disciplines conducted in English was one of the main problems. We may state here that the literature is constantly being acquired in our university, lists and corresponding prices are sent regularly from the library to teaching departments and chairs.

But here we would like to note the importance of the electronic resources to which universities of Kazakhstan, including our university, are connected. These are such electronic platforms as ISI Web of Science and Science Direct (provided by the National Center for the scientific and technical information, located in Almaty).

Teachers and students of multilingual groups do actively use them; find educational, scientific and methodological literature on the relevant discipline or topic. These are scientific articles, courses of the lectures, methodical instructions, manuals, etc.

However, we believe that today there is a necessity to form and develop an applied conception in the use of these electronic databases and products.

Let me introduce it to your attention, please.

In the educational process, it should be systematically implemented at all three levels of the system of higher and postgraduate education, that is, from bachelor to PhD student.

Undergraduate and graduate (academic degrees). At the first and second stages of higher education it is necessary to ensure that students are fully familiar with these bases in order to:

- firstly, to acquaint students with modern methods and approaches in the study of relevant disciplines and the consideration of specific topics. It is undisputable that the availability of textbooks, even if they are current year ones, that is, quite fresh, today is not sufficient for the full and effective development of one or another studied discipline. In turn, various articles constantly appear in the electronic databases, reflecting certain aspects of the issue during the teaching process;

- secondly, the development of skills among the students and undergraduates for quoting/citing and, to some extent, to the discussion of the problem presented in the article. Students and undergraduates take part in various scientific conferences, and it will be great, if we teach them in their articles and scientific reports to quote/cite and enter into a scientific discussion with the authors of the articles published in the rating journals posted on the electronic platforms. Each article has contacts and authors can contact each other. It is pleasant to say, that many of these authors very willingly come into contact using modern forms of communications, for example, SCYPE;

- thirdly, it is pleasant to note that in these electronic databases there are not only articles, but also textbooks and teaching manuals, the presence of which essentially solves the problem with educational literature in English;

- fourthly, in the leading foreign universities, there are scientific student communities and schools that conduct research and publish their articles posted on electronic platforms. Also, some students and undergraduates are engaged in the reviewing processes of the articles and act as the experts during a peer review process. The acquaintance of our students and undergraduates with such scientific communities will positively contribute to the growth of their scientific, educational and intellectual potential;

- fifthly, after graduation, bachelor and undergraduate students write and defend their diploma and master works. By this time, having skills in using the electronic databases, they are rather skillful to quote and discuss with other authors of scientific articles located in the electronic databases.

The reflection of this material by the students and undergraduates in the scientific articles, theses and master's works is one of the key indicators of the effective use of scientific literature funds allocated by the Ministry of Education and Science of our country so that we all can use these bases free of charge and increase our scientific and intellectual potential.

PhD (scientific degree). Purposeful implementation of the above-mentioned positions will allow the applicant of a scientific degree, that is, a PhD student, to work more freely and comfortably with these electronic bases, having certain skills that he/she acquired while being bachelor and master student.

Here it is necessary to emphasize the importance to have at least one article in the rating journal included in the SCOPUS database for the defense of a doctoral dissertation. Using the accumulated experience, it will not be so difficult for a PhD doctoral student to publish scientific results in a rating journal.

Associate professor and professor (scientific titles). The final stage of the considered conception in the use of these electronic databases is their active use by scientists of our country, who strive to be awarded the title of associate professor and professor. One of the main conditions here is the availability of publications in journals that have a certain impact factor and are included in the ISI Web of Science database (Thomson Reuters company). Scientists with the big accumulated experience in working with databases implement it carrying out and publishing the scientific articles in the rating journals.

We would also like to say that the ISI Web of Science, Springer and Science Direct databases provided by NCSTI JSC are not only the entrance to get information from the scientific journals, articles and teaching manuals. It is also really great and wonderful opportunity to get acquainted with the leading foreign scientific associations located in the USA, Canada, Germany, France, Australia, New Zealand, South Korea, Japan, Israel and other countries where global rating journals are published. It is also a potential participation in grant research conducted under these associations.

We believe that the implementation of the above mentioned conception will contribute to the quality improvement of the higher education in Kazakhstan.