

MINISTRY OF PUBLIC HEALTH OF UKRAINE
NATIONAL UNIVERSITY OF PHARMACY

TOPICAL ISSUES OF NEW DRUGS DEVELOPMENT

Abstracts of XXV International Scientific
And Practical Conference
Of Young Scientists And Student

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Book of Abstracts includes materials of Scientific and Practical Conference of Young Scientists and Students “Topical issues of new drugs development”. Materials are grouped according to the main directions of scientific, research and educational work of the National University of Pharmacy. Teoretical and practical aspects of the synthesis of biologically active compounds and development of medicinal substances on their basis; standardization of drugs, pharmaceutical and chemical-technological analysis, the study of raw materials and herbal remedies development, modern drug technology and extemporal recipe; biotechnology in pharmacy, modern advances in pharmaceutical microbiology and immunology, clinical trials of new drugs, pharmaceutical care for prescription and OTC-drugs, evidence-based medicine, modern pharmacotherapy, socio-economic studies in pharmacy, marketing management and pharmacoeconomics during the development, implementation and use of drugs, quality management in development, production and trafficking of drugs; information technologies in pharmacy and medicine; basics of pedagogy and psychology; social science; philology are presented. Also in book there are published material ob All-ukrainian contest of student scientific work on speciality “Pharmacy, Industrial Pharmacy”.

For a wide audience of scientists and pharmaceutaical and medicinal employees.

UDC 615.1



Dear colleagues!

The National University of Pharmacy proudly welcomes the participants of the All-Ukrainian contest of student scientific works in the speciality “Pharmacy, Industrial Pharmacy” and the 25th Anniversary International Scientific and Practical conference for the students and young scientists “Topical Issues of New Drugs Development”.

Scientific progress is one of the most important tasks of our University. Nowadays we have over 1000 students and 280 young scientists who involved in the Student scientific society and Young scientists council activities, and they are, without the shadow of a doubt, the future of the pharmaceutical district of our national healthcare system.

It is very important to point out, that for the first time the National University of Pharmacy, as the face of pharmaceutical education in Ukraine, will welcome participants of the All-Ukrainian contest of student scientific works in the speciality “Pharmacy, Industrial Pharmacy”. Through the hard work of our contest judges, we picked the best scientific works from the eight different universities, which will be presented to the wider audience at our conference.

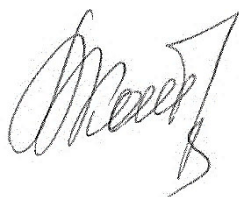
This edition includes 524 scientific works of the talented researchers from Ukraine, Lithuania, Moldova, Belarus, Kazakhstan, Uzbekistan, and Germany.

Young scientists and students have presented over 250 scientific reports at the plenary, poster sessions, and 24 key areas, affecting the wide range of the pharmaceutical field: from the development of new medicines to the personified pharmaceutical care.

On behalf of the academic community of the National University of Pharmacy allow me to congratulate all the participants with this scientific feast, and, I wish perseverance and inspiration to all students and young scientists on their path towards the new scientific achievements!

Yours faithfully,

Rector of The National University of Pharmacy,
Honored Worker of Science and Technology of Ukraine,
Doctor of Pharmacy
Professor

A handwritten signature in black ink, appearing to read 'A.A. Kotvitska', with a stylized, flowing script.

A.A. Kotvitska

Section 24.
PEDAGOGY AND PSYCHOLOGY IN THE
EDUCATION OF MODERN STUDENTS

INFORMATION AND INNOVATION TECHNOLOGIES IN SCIENTIFIC AND RESEARCH WORK OF HIGH SCHOOL STUDENTS

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Introduction. At present, the development of information and innovation technologies plays a big role in society. There is massive computerization of education, which makes the modern teacher put a number of questions: how build methodology and improve the efficiency of the student's educational process during the crisis transition of consciousness and thinking "old" generation to "new way".

A new educational model is being formed, in which the skills of the quick acquisition of information, rather than knowledge of anything, have emerged for the modern student. The computer has completely captured and schematized the process of its learning.

According to many researchers, the process of developing information and innovation technologies changes the paradigm of science, when the path of analysis is absorbed through synthesis, but "remains its basis and precondition".

Aim. In scientific research the main thing is to become a personal vision of the subject of discussion, the ability to formulate, based on a detailed analysis, his approach to solving a scientific problem. Therefore, teacher has a double task: to restore the interest of the audience to knowledge and to find a more attractive format for their submission, and also to encourage students to analyze: to identify the properties, relationships, the existence of contradictions, generalize the above, correlate it with other problems, give common rating.

Results and discussion. In order to form a personal approach to the stated topic of the research project, feedback and emotional response from the scientific community are needed, which creates conditions for the interested, comfortable work of the student. Creating a scientific community can successfully help networking. Independent work of the student in this direction makes it possible to organize the conditions for defining and checking the framework characteristics of his research, identifying the potential ways of his presentation and substantiation, and also helps to develop communicative skills. For student-humanities is very important to form a constructive approach to critique, to learn to formulate critical remarks in the categories of personal thought and perception. In the perspective - to become an explorer of a problem that deserves attention, and will be discussed by the scientific community in the Internet space. Creating a scientific network allows within its own discipline to demonstrate creativity, initiative, tolerance to the opposite point of view, to test their abilities in establishing a dialogue, to identify the prospects of their project and to form a club of like-minded people. All this gives the necessary intellectual skills in the institutionalized forms of scientific discussion.

Of great importance in organizing the research work of the student plays the role of a teacher in the process of preparing a homework. Each seminar and practical training can direct a student to the analysis of scientific periodicals using new technologies and innovations. In this case, the teacher, with his example, helps the group of students to follow the principle of scientific ethos and demonstrates readiness to share knowledge with others. If we are talking about the methodology of teaching lecture material using information-innovation technologies and we mean the reinforcement of it in a visual series (pictures), then this is definitely perceived by the audience, because visual communication makes it possible to better learn and memorize information.

It is also necessary to understand: when and how modern information technologies can strengthen the educational process, and with it the research work of students. Sometimes it is better to think: is it always worthwhile to follow the innovation-technological mode, or everyone can use it in the learning process, without damaging the formation of a young scientist.

Conclusions. Finally, it is necessary to note the emergence and development of a new educational paradigm, which requires from the teacher the flexibility of thinking and creative search, taking into account the standards of the post-industrial informational community.

Only a consistent and balanced approach to modern information and innovation standards of education will keep the universal horizon in the research work of students of the humanities of high education.

FORMATION OF READINESS OF FOREIGN STUDENTS-PHARMASISTS FOR THE INTERCULTURAL COMMUNICATION

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Introduction. Integration of Ukraine into the world community, the world educational space determines the continuous expansion of international relations, including in the educational sphere. Every year the number of foreign students studying in Ukrainian educational institutions increases and they differ in certain specific peculiarities that must be taken into account in the organization of the educational process. Among the specialties that foreign students choose in Ukraine, pharmacy is particularly popular.

Aim. Substantiation of the necessity of formation of readiness of foreign students for intercultural communication.

Materials and methods. We used analysis and generalization of scientific-methodical literature, pedagogic testing and monitoring.

Results and discussion. The term "readiness" appeared in experimental psychology in the 70s of the last century, but is still debatable. Scientists have differently interpreted the essence of this phenomenon as a special mental condition that involves the mobilization of all forces of the individual to perform certain actions. Readiness serves as an important prerequisite for the efficiency of future professional activity; as a property of the individual, as a combination of specialized knowledge and skills that contribute to the ability to perform certain activities at a high level; complicated personal formation that has its own laws of existence and development; necessary precondition for the start of activities.

The readiness of foreign students-pharmacists for intercultural communication is individual and professional necessity, because the success of their study, professional activity and satisfaction with the results of their own work largely depends on it.

The readiness of foreign students-pharmacists for intercultural communication can be defined as a personal state, which provides for the subject an image, structure of an action, and constant focus of minds on its successful implementation. It includes various kinds of reasons; focused on understanding the tasks, likely behaviour patterns, constructed in accordance with the available knowledge, the definition of special methods, assess their capabilities in correlation with possible future difficulties and the need to achieve some positive results.

The structure of readiness usually includes the following elements: psychological readiness, theoretical readiness, practical readiness (in some cases we can also talk about the physiological and physical readiness). In the context of our study psychological readiness implies a positive motivation to communicate in multicultural space. Theoretical readiness is characterized by the existence of the necessary system of knowledge about intercultural communication. Practical readiness means formation of special skills for intercultural communication.

Conclusions. Preparation of foreign students in Ukrainian educational institutions provides, besides professional preparation, conducting of special work aimed at forming their willingness to intercultural cooperation, which is carried out in the process of classroom training and targeted educational work.

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Збірка містить матеріали науково-практичної конференції молодих учених та студентів «Актуальні питання створення нових лікарських засобів». Матеріали згруповано за провідними напрямками науково-дослідної та навчальної роботи Національного фармацевтичного університету. Розглянуто теоретичні та практичні аспекти синтезу біологічно-активних сполук і створення на їх основі лікарських субстанцій; стандартизації ліків, фармацевтичного та хіміко-технологічного аналізу; вивчення рослинної сировини та створення фітопрепаратів; сучасної технології ліків та екстемпоральної рецептури; біотехнології у фармації; досягнень сучасної фармацевтичної мікробіології та імунології; доклінічних досліджень нових лікарських засобів; фармацевтичної опіки рецептурних та безрецептурних лікарських препаратів; доказової медицини; сучасної фармакотерапії, соціально-економічних досліджень у фармації, маркетингового менеджменту та фармакоекономіки на етапах створення, реалізації та використання лікарських засобів; управління якістю у галузі створення, виробництва і обігу лікарських засобів; інформаційних технологій у фармації та медицині; основ педагогіки та психології; суспільствознавства; філології. Також у збірці опубліковані матеріали учасників Всеукраїнського конкурсу студентських наукових робіт зі спеціальності «Фармація, промислова фармація»

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