

**THE SCIENTIFIC BIOCHEMICAL CIRCLE IS AN IMPORTANT LINK IN THE TRAINING OF SPECIALISTS*****Khamraev Sobir Khusenovich****Lecturer of the  
National University of Uzbekistan  
[sobirhamroyev730@gmail.com](mailto:sobirhamroyev730@gmail.com)****Kuziev Sherali Nasrulloevich****Associate Professor of the  
National University of Uzbekistan, PhD  
[kuziev.sherali@gmail.com](mailto:kuziev.sherali@gmail.com)****Sodikov Ulugbek Juraevich****Associate Professor of the  
National University of Uzbekistan, PhD  
[sodiqov\\_7377@mail.ru](mailto:sodiqov_7377@mail.ru)*

**Abstract:** The article examines the influence of a youth scientific circle on the formation of a specialist. It is concluded that students-members of the circle, as a rule, stand out among other students by the depth and breadth of their knowledge, better command of speech, activity and purposefulness. The youth scientific circle ensures the formation of earlier professional maturity, which contributes to the maximum disclosure of the potential and capabilities of the future specialist.

**Keywords:** scientific circle, training of a specialist, scientific research work of a specialist

The youth scientific circle is an important link in the training of teaching and scientific personnel of the university with a biological focus. A modern young specialist must possess a certain amount of fundamental and specialized knowledge, have a formed professional thinking and possess the ability for self-development and self-education [3].

The importance of biochemistry clubs at a university is as follows:

- Formation of a high-quality contingent of students. Club classes develop basic naturalistic knowledge and ecological and biological erudition in students, which affects their further education at a university.

- Laying the foundation for professional growth. Joint work of the club leader with students lays the initial foundation for the professional growth of a future bachelor's or master's student.
- Preparation for scientific work. Systematic classes in clubs allow students to take a more serious approach to writing course projects and final qualifying papers.
- Development of leadership qualities and creative initiatives. The creative and innovative approach of the club leader helps to involve students in future professional activities, to develop in students the ability to work in a team [2].

The educational process, which is limited to educational activities within the subject, cannot fully create conditions for the formation of the above qualities. An important component in the training of a student receiving higher education should be his continuous participation in the work of the student scientific society throughout the entire period of study at a higher educational institution, which is implemented in the form of active attendance of one or several youth scientific circles. The task of a scientific circle is not only to give the student additional knowledge on a specific subject, but, above all, to stimulate the development of creative initiative and thinking activity associated not with the passive perception of ready-made knowledge, but with an orientation towards its active and independent acquisition. The forms of implementation of the tasks set by the scientific circle are multifaceted [1].

When forming the annual thematic plan of the circle, the curriculum for the subject is taken as a basis. However, the meetings of the circle do not repeat the course of compulsory education, but consider its most complex sections, analyzing additional or specific issues of the topic, taking into account modern ideas set out in the periodical press and electronic media. Alternative views on the problem are often discussed. The level of the circle meeting increases significantly if the meeting is chaired by a specialist in the problem under discussion. The teacher, taking into account his personal rich professional experience, becomes an additional source for obtaining new knowledge. A true school for students is a demonstration of thematic cases, which allows applying the acquired theoretical knowledge in practice [4].

Students-circle members, as a rule, stand out among other students by the depth and breadth of knowledge, have a better command of speech, are more active and purposeful. The scientific circle ensures the formation of earlier professional maturity, which contributes to the maximum disclosure of the potential and capabilities of the future specialist.

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