

# Scientific works

## Scientific works

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№	Subject of scientific research	Brief information about the goals and objectives
1.	Increasing the innovative activity of teachers in the training of qualified personnel.	<p data-bbox="400 398 1485 763">Increasing the innovative activity of teachers in the field of training qualified personnel of higher education. Improving cooperation between higher and secondary specialized, vocational education, training of teachers of "Professional Education" in the system of agriculture and water management, as well as providing vocational colleges in this area with teachers and pedagogical engineers, the introduction of modern pedagogical and information technologies in the educational process, an innovative approach to methodological training in increasing the effectiveness of training, - improvement of the methodological base, organization of an innovative approach to the development of methodological programs, methodological aids, methodological instructions, recommendations, brochures, methodological training of teachers in specialties (vocational education)</p> <ul data-bbox="169 779 1485 1283" style="list-style-type: none"> <li>• <b>Relevance:</b> defining the concept of diagnosing the innovative activity of teachers in the training of qualified personnel;</li> <li>• determination of the content, means, levels of integration of pedagogical and technical knowledge as a condition for diagnosing innovative teacher training in the preparation of qualified personnel;</li> <li>• Improving the professional competence of qualified personnel (future teachers) based on pedagogical and technical knowledge;</li> <li>• Development of integrated teaching methods by teachers in order to organize innovative activities of teachers in organizing the mutual integration of pedagogical and technical knowledge in order to improve the quality of training of future teachers of vocational education;</li> <li>• Development of a model for the integration of pedagogical and technical knowledge in the diagnosis of vocational training;</li> <li>• Development of guidelines and recommendations for the implementation of the model of integration of pedagogical and technical knowledge in the diagnosis of vocational training.</li> </ul>

**The purpose of the research work:** Increasing the innovative activity of teachers in the field of training qualified personnel of higher education. Improving cooperation between higher and secondary specialized, vocational education, training of teachers of "Professional Education" in the system of agriculture and water management and provision of vocational colleges in the field with teachers and pedagogical engineers, introduction of modern pedagogical and information technologies in the educational process, an innovative approach to methodological training in increasing the effectiveness of training, Improvement of the educational and methodological base, organization of an innovative approach to the development of methodological programs, teaching aids, guidelines, recommendations, brochures, methodological training of teachers in specialties (vocational education)

**Functions:** study and analysis of scientific, pedagogical, psychological, methodological sources on the topic of scientific research, training in the direction of "Professional education" in the system of agriculture and water management, analysis of advanced training and retraining courses and methodological ideas on the idea of the work of the President of the Republic of Uzbekistan Sh.Mirziyoyev, in particular, "Improving the innovative activity of teachers in the training of qualified personnel", the creation of educational technologies, articles in foreign scientific journals on this topic, publication of articles and abstracts at national and international scientific conferences and training of researchers in this area.

**Results:** Based on the results of scientific work, 5 monographs, 5 study guides, 6 study guides, 1 brochure, 33 articles in foreign scientific journals, 20 articles in national scientific journals, 15 scientific articles at international scientific conferences, 13 republican scientific and practical conferences as well as articles and abstracts in the materials of scientific and practical conferences held in more than 10 universities.