



INTERDISCIPLINARY RESEARCH SUPPORT AND PHYSICAL FACILITIES



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Interdisciplinary Research Support and Physical Facilities

1. Management and Interdisciplinary Support

Nakhchivan State University (NSU) provides special management and coordination support for interdisciplinary scientific research groups. Within the framework of the decisions of the University's Scientific Council and the orders of the Rector, the organization of research groups, project management, and involvement in grant programs are officially regulated.

Interdisciplinary groups have the following structure:

- Integration of academic staff: Professors, associate professors, young researchers, doctoral students, and master's students are combined in one team, and promising students at the undergraduate level are involved in scientific and practical research.
- Interfaculty cooperation: Specialists from different departments, for example, scientists from the fields of medicine, botany, pharmacy, and biochemistry, work together in the Center for Phytotherapy and Apitherapy.
- Project- and startup-oriented team support: Students and specialists are combined in the form of multidisciplinary teams for hackathons and interdisciplinary projects in the Innovation Center.
- Integration of industry and international partners: Industrial enterprises and foreign scientists are also involved in the groups, increasing the efficiency of multidisciplinary research.

This management structure ensures that research groups achieve both academic and practical results and is aligned with the university's 2023-2027 strategy.

2. Physical Facilities and Technological Infrastructure

NDU offers extensive dedicated physical infrastructure and technological centers for interdisciplinary research groups. These centers combine several intellectual fields to create a fully suitable environment for multidisciplinary research activities.

Main laboratories and centers:

- Center for Phytotherapy and Apitherapy – Equipped with modern spectrophotometer and chromatographic analysis devices for the analysis of natural raw materials and product development in the fields of medicine, biology, pharmacy, and biochemistry.

<https://ndu.edu.az/fitoterapiyamerkezi>

- Optics and Electronics Scientific Research Laboratory—Covers the fields of physics and engineering and has the latest technologies for studying the behavior of optics and electronic devices.

<https://ndu.edu.az/optikalab>

- Beekeeping Problems Laboratory – Provides equipment for the diagnosis of bee diseases and product expertise in the fields of biology, ecology, and veterinary medicine.

<https://ndu.edu.az/ariciliqlaboratoriyasi>

- UraqLab (Heart and Blood Pressure Diseases Research Center) – Equipped with medical devices such as ECG, EXO, Holter, and treadmill.

<https://ndu.edu.az/ureklab>

- Yusif Mammadaliyev Chemistry Laboratory – Provides opportunities for electrochemical synthesis and nano-layers research.

<https://ndu.edu.az/kimyalaboratoriyasi>

Innovation and Technology Centers:

- Innovation Center – The main physical space for interdisciplinary startups and engineering teams. Equipped with modern ICT equipment supporting artificial intelligence and software research.



Infrastructure shared with industry partners:

- Access to the laboratories of "Azerishiq" OJSC Education and Innovation Center (ATIM).
- Use of the laboratory and diagnostic medical base of "Referans Medical Group."
- Integration of industrial opportunities for incubation programs and research projects of Cahan Holding, Kapital Bank, and Lazzet Food Industry.

This infrastructure creates the perfect conditions for researchers to carry out multidisciplinary scientific activities, solve real-world problems, and promote academic-industrial integration.

3. Conclusion

Nakhchivan State University (NDU) actively supports interdisciplinary research teams in terms of both management and physical infrastructure. The synergy of academic staff, interfaculty collaboration, and integration of industry and international partners, as well as modern laboratories and technological centers, ensures the efficiency and innovative results of multidisciplinary research.