

---

## THE SCHOOL OF MEDICINE, DENTISTRY AND PUBLIC HEALTH

---

### **General Information**

---

**School of Medicine, Dentistry and Public Health (SMDPH)** as an integral part of the University contributes to the educational programs in various fields of Medicine, Dentistry, Biomedicine and health-related programs. The school provides academic leadership in different fields of medicine, dentistry and public health through the programs of excellence in research, education and patient care.

The School is the coordinating center for specialists in various areas of medicine, dentistry and public health that ensures implementation of the general task of instruction and professional training of highly qualified medical cadres for taking up careers in various fields of medical sciences.

Building on the biochemical, physiological, and behavioral foundations of the pre-clinical experience, students are taught information acquisition through achieving differential diagnosis and reviewuation; information synthesis through achieving a differential diagnosis and the production of a reviewuative plan; and medical decision making for continued reviewuation and therapy. Students are encouraged and guided in developing a caring doctor-patient relationship.

The fact that English is used as a language of instruction not only promotes in students a proficiency in English but also allows them access to all kinds of world medical literature and information sources. It is also helpful in establishing professional contacts with the international medical community.

Offered research and training programs give students a solid background for their future career development to apply in hospitals, a sound foundation for the students' future professional reputation.

---

### **Rationale and Objectives**

---

The objectives of the School of Medicine, Dentistry and Public Health are to provide the necessary foundation in biomedical and medical sciences for understanding the pathology, etiology, diagnosis, prevention and treatment of diseases; to provide the fundamentals of clinical medicine necessary for the accomplishment of medical education and for clinical and laboratory practice; to teach students to learn, manage and evaluate biomedical and medical information effectively and critically; to enhance the ability of students to understand scientific concepts and

methodologies used in the development of new knowledge and to provide research opportunities for interested students; to develop effective communication skills to be applied in the patients care; to develop leaders in science and medicine by providing an environment of academic and clinical excellence. The SMDPH prepares undergraduate and graduate students for their careers in the main branches of biomedicine, medicine, dentistry and public health.

---

## **Programs and Degrees**

---

The School of Medicine, Dentistry and Public Health offers programs leading to the degrees of Bachelor of Science in Biomedicine, Master of Science in Biomedicine, Doctor of Medicine (M.D.), Doctor of Dental Surgery (D.D.S.). In cooperation with the School of Economics and Management, it also offers the Master of Public Health Administration (M.P.H.A.) degree program.

The School's curricula are designed to develop a comprehensive scientific and human approach to patient care. Curricula of the School reflect the traditions and experience of some of the leading Medical as well as Dentistry and Public Health schools in Europe and the USA. At the same time, peculiarities of the Azerbaijani educational and healthcare systems, including high school programs, are taken into consideration.

---

## **Clinical and Research Facilities**

---

Faculty and students of the School have at their disposal some of technologically advanced equipment and facilities. A wide variety of clinical placements are available, including Clinic of Leyla Shikhlinskaya, Oil Explorers Hospital, the Gynecological Institute, the Multi-profile City Hospital #1, the Multi-profile City Hospital #3, Turkish-American Medical Center, the National Oncology Center, Railways' Hospital, and the Center of Epidemiology and Hygiene. All of their in-patient and outpatient facilities, including emergency departments, laboratories and ambulatory care centers are available for on-site classes.

---

## **Undergraduate Programs**

---

Undergraduate programs are designed for students who have finished high school and wish to study in the fields of Biomedicine, Medicine and Dentistry.

The requirements for the majors in undergraduate programs include:

- **University Requirements**
- **General Education Requirements**

---

## • Major and major-related Requirements

**University Requirements (UR)** include two main components and a total number of 27 credits are required:

**English Language** includes 15 semester credits of:

- Listening/Reading 1 (3 credits)
- Speaking/Writing 1 (3 credits)
- Listening/Reading 2 (3 credits)
- Speaking/Writing 2 (3 credits)
- English for Special Purposes (3 credits)

**Azerbaijani Studies** includes 12 semester credits of:

- Azerbaijani (Azeri) Language and Composition (3 credits)
- Azerbaijani Literature (3 credits)
- Azerbaijani Culture (3 credits)
- History of Azerbaijan (3 credits)

**General Education Requirements (GER)** is composed of three components with a minimum of 21 credits and maximum of 27 credits:

- **Humanities**
- **Social Sciences**
- **Science and Technology**

**The Humanities** courses division of the program includes particular courses in *Literature, Language and Linguistics, Philosophy, History, Culture and Civilization, Fine Arts and Art History*. Students must take at least two courses with a minimum of 6 credits, 3 credits for each course.

**The Social Sciences** group contains courses in *Geography, Political Science, International Relations, Law and Government, Anthropology, Economics, Sociology, Psychology, Medical Psychology*. Students must take at least two courses with a minimum of 6 credits, 3 credits for each course.

**The Science and Technology** component of the General Education Program unites three divisions:

- *Physical Sciences and Mathematics,*
- *Life Sciences (including BIOMED 100),*
- *Computer Sciences,*

and contains, for example, *Mathematics and Biomedical Statistics, Computer Science, Physics, Chemistry, Astronomy, Geography and Environmental Studies, Geology, Biological Sciences and Anthropology, Medical Science, Medical Biology.*

**Open Electives:** students must take at least two additional courses with a minimum of 6 credits. These courses can be taken from any major or non-major divisions without any restriction.

### **Bachelor of Science Degree Program in Biomedicine**

Biomedical Science is a broad field of applied biology as related to health and disease.

The related program contains, for example, Biology and Genetics, Anatomy and Cell Biology, Microbiology and Immunology, Physiology, Organic Chemistry and Biochemistry, Introductory Pharmacology and Medical Physics.

A specific four-year program in pre-medical studies leads to the degree of Bachelor of Science in Biomedicine. This Program is designed for students who have finished high schools and wish to study in the field of biomedical science.

Graduates with Bachelor's of Science Degree in Biomedicine may develop their career in biomedical research, pharmaceutical and drug marketing research and a wide variety of health-related endeavors, such as, disease control, food safety, equipment manufacture and sales. Some become medical technologists, physician assistants, veterinarian assistants, and laboratory or research technicians. Others pursue radiation technology and hospital administration.

Many of the Biomedicine students continue their for an M.D. degree or for a Master of Science degree in Biomedicine.

### **The General Structure**

Programs leading to Bachelor degrees consist, in addition to University Requirements (27 credits) and General Education Requirements (21 credits), in the first to the third year, of: **Basic Biology and General Medical Subjects**. This section introduces the general knowledge about structure and function of the human organism, its cellular and molecular organization, growth and behavior, and chemical and biochemical status of organisms. Subjects at this level can be broken down into the following modules:

- A.** Cellular and molecular aspects of biomedicine
  - General and Molecular Cell Biology
  - Biophysics
  - Basics of General Genetics
- B.** Structure and function
  - Anatomy

- Physiology
- Cell organization of the human organism - Histology, Cell Biology and Embryology
- Introductory Pathology
- C.** The chemical basis of biological processes in the living organism
  - Organic Chemistry
  - Biochemistry

In the fourth year - **The Special Biomedical and Medical Subjects** section introduces students to the special biomedical and introductory medical subjects and includes the following modules:

- A.** Molecular and cellular level of Biomedicine
  - Molecular Biology
  - Molecular Aspects of Genetics
  - Immunology
  - Microbiology
- B.** Understanding of Pathology
  - Clinical Biochemistry
  - Clinical Immunology
  - Clinical Microbiology
  - Human Genetics and Genetic Disorders
  - Human Behavior (Psychology and Psychiatry)
  - The Environment and the Organism (Public Health)
- C.** Introduction into medicine:
  - Basic Internal Medicine
  - Infectious Diseases and Basics of Epidemiology
  - Basic Pharmacology
  - Oncology and Radiology.

The knowledge of a set of subjects that are included into the module "Introduction to Medicine" is necessary for the correct understanding of the molecular basis of the cell processes occurring in organisms during pathological processes; it is important also for future graduate medical studies, which majority of Biomedical students pursue. The same applies to the understanding of the researches in the different fields of biomedicine and for the diagnosis of various pathological processes.

### Requirements for Bachelor of Science Degree in Biomedicine

CODE	COURSE	CREDITS
<b>UNIVERSITY REQUIREMENTS</b>		<b>27</b>
<b>GENERAL EDUCATION REQUIREMENTS</b>		<b>21</b>
<b>MAJOR REQUIREMENTS</b>		<b>84</b>
BIOMED 103-104	Human Anatomy	6
BIOMED 204	Basic and Clinical Microbiology	5

BIOMED 301	Basic Immunology	3
CHEM 201	Biochemistry	3
BIOMED 205	Biophysics,	3
BIOMED 300	Clinical Biochemistry	3
BIOMED 306	Human Genetics	6
BIOMED 202	Histology and Embryology	5
BIOMED 106	History of Medicine	2
MED 405	Introduction to Surgery	3
PHSC 113	Medical Physics	2
CHEM 102	Basic Chemistry	3
BIOMED 303	Pathological Anatomy	3
BIOMED 305	Pathological Physiology	6
MED 304	Pharmacology	5
BIOMED 203	Human Physiology,	6
BIOMED 403	Propedeutics of Internal Diseases	4
MED 404	Infection and Tropical Disease	3
BIOMED 206	Public Health	4
BIOMED 401	Virology	3
	Elective 1	3
	Elective 2	3

<b>TOTAL</b>		<b>132</b>
--------------	--	------------

**Note:** The courses on Medical Biology (3 credits), Mathematics and Biomedical Statistics (3 credits) and Medical Psychology (3 credits) are considered as a part of General Education Requirements.

### Doctor of Medicine (M.D.) Degree Program

School of Medicine, Dentistry and Public Health (SMDPH) offers a program leading to M.D. degree.

The program for M.D. degree is divided into four phases: **Basic Biomedical Sciences**, occupying mainly the first two years, which focuses on normal human structure, function, growth and development. **Medical Core**, occupying the third year, stresses pathological conditions. **Clinical Core** occupies the fourth and fifth years and consists of clinical education and training. It is conducted in affiliated hospitals and ambulatory clinics. In the phase of **Clinical Experience**, occupying the final, sixth year of medical education, students are required to undertake clerkship and internship, and begin to develop clinical interests through electives.

The curriculum focuses on the normal structure and function of the human body. Important basic sciences, such as, Human Anatomy, Histology and Embryology, Physiology, Biochemistry, Cell Biology, Microbiology, Immunology and Pathology as well as Biostatistics and Epidemiology, and Doctor-Patient relations are introduced by the faculty.

**Note:** *Doctor of Medicine degree program is undergoing serious reforms and restructuring. For details of the program please refer to the Bulletin of the School of Medicine, Dentistry and Public Health.*

### Major Requirements for Doctor of Medicine Degree Program

CODE	COURSES	CREDITS
<b>UNIVERSITY REQUIREMENTS</b>		<b>27</b>
<b>GENERAL EDUCATION REQUIREMENTS</b>		<b>21</b>
<b>MAJOR REQUIREMENTS</b>		<b>218</b>
BIOMED 103-104	Human Anatomy	8
BIOMED 204	Basic and Clinical Microbiology with Virology	4
CHEM 201	Biochemistry	3
BIOMED 402	Oncology	3
BIOMED 205	Biophysics	3
BIOMED 300	Clinical Biochemistry	5
BIOMED 306	Human Genetics	5
BIOMED 202	Histology and Embryology	5
BIOMED 106	History of Medicine	2
BIOMED 405, MED 305	Introduction to Surgery	3
PHSC 113	Medical Physics	2
CHEM 102	Basic Chemistry	3
BIOMED 303	Pathological Anatomy	3
BIOMED 305	Pathological Physiology	6
MED 304	Pharmacology	5
BIOMED 203	Human Physiology	6
BIOMED 403, MED 303	Propedeutics of Internal Diseases	3
MED 404	Infection and Tropical Disease	3
BIOMED 206	Public Health	3
MED 307, 407	Surgery	12
MED 308,408,502	Internal Diseases	12
BIOMED 304	Basic Immunology	3
MED 309	Psychiatry	3
BIOMED 310	Radiobiology	3
MED 406	General and Clinical Radiology	3
BIOMED 311	Epidemiology and biostatistics	3
BIOMED 407, MED 413	Psychological and Ethical Problems of Medical Practice	3
MED 501	Endocrinology	2
MED 512	Orthopedics and Traumatology	3
MED 409	Toxicology	3
MED 503	Intensive Medicine	4

MED 504	Ophthalmology	2
MED 505	Otology and Laringology	1
MED 506	Child Health and Diseases	4
MED 507	Women Diseases and Birth	7
MED 410	Court medicine	3
MED 508	Operative surgery and topographical anatomy	4
MED 411	Rehabilitation and Physiotherapy	2
MED 412	Non-traditional Medicine	2
BIOMED 312	Hematology	3
MED 510	Clinical Anesthesiology	2
MED 511	Clinical Dermatology	2
	Elective Courses in Medicine	17
	Elective Courses in Functional diagnostics	5
	Two semesters of Internship	35

<b>TOTAL</b>		<b>266</b>
--------------	--	------------

### Doctor of Dental Surgery (D.D.S.) Degree Program

School of Medicine, Dentistry and Public Health (SMDPH) offers a program leading programs leading to the degree of Doctor of Dental Surgery.

The time required to obtain the Dentist's Diploma is 5 years. In the first two years of the curriculum (pre-clinical education), students receive instruction in the biomedical sciences, during which they are provided with basic knowledge of general and oral human anatomy, physiology, histology and cell biology, and biochemical basis of general and oral health and diseases. Basic courses in chemistry, physics and computers are also included.

During the third year, an introductory courses on internal and oral diseases, general and oral surgery, pharmacology, psychiatry, and radiology are taught as well. The remaining 2 years are devoted to clinical studies. Students focus on Dental Diseases and Dental Care, and attend practicum in various affiliated hospitals and clinics in rotation.

**Note:** *Doctor of Dental Surgery degree program is undergoing serious reforms and restructuring. For details of the program please refer to the bulletin of the School of Medicine, Dentistry and Public Health.*

### Requirements for Doctor of Dental Surgery Degree Program

CODE	COURSES	CREDITS
	<b>UNIVERSITY REQUIREMENTS</b>	<b>27</b>
	<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>21</b>
	<b>MAJOR REQUIREMENTS</b>	<b>158</b>

BIOMED 103-104	Human Anatomy	5
BIOMED 204	Basic and Clinical Microbiology with Virology	3
CHEM 201	Biochemistry	3
BIOMED 205	Biophysics	3
BIOMED 300	Clinical Biochemistry	3
MED 410	Court medicine	1
MED 411	Clinical Dermatology	3
BIOMED 311	Epidemiology and Biostatistics	3
MED 406	General and Clinical Radiology	3
BIOMED 202	Histology and Embryology	4
BIOMED 306	Human Genetics	3
BIOMED 501	Immunology	3
DEN 304	Physical Diagnosis	3
MED 308	Internal Diseases	2
MED 405	Introduction to Surgery	3
PHSC 113	Medical Physics	2
DEN 409	Neurology, Neurosurgery and Neurodentistry	3
DEN 401	Base of Dental Care	3
DEN 402	Operative Dentistry	4
MED 309	Ophthalmology	1
MED 310	Otorinoloringology	1
CHEM 102	Organic Chemistry	3
DEN 403	Orthopedic Dentistry	6
MED 410	Preclinical Operative Dentistry	4
DEN 303	Dental Gross and Neuroanatomy	3
DEN 411	Pediatric Dentistry	3
DEN 412	Deontology	8
MED 304	Pharmacology	4
BIOMED 203	Physiology and Pathological Physiology	8
MED 404	Clinical Applications of Operative Dentistry	3
DEN 405	Prophylaxis of Dental Diseases	5
MED 413	Psychological and Ethical problems of medical Practice	2
BIOMED 206	Public Health	2
DEN 305	Oral Pathology	4
DEN 413	Therapeutic Dentistry	6
MED 409	Toxicology	2
	Elective professional courses	8
	<b>Two semesters of Internship (5th year)</b>	<b>28</b>
	Therapeutic Dentistry	
DEN 502	Implantology	
DEN 505	Oral & Maxillofacial Surgery	
DEN 503	Orthopedic Dentistry	
DEN 504	Deontology	
<b>TOTAL</b>		<b>206</b>

**Note:** The courses on Medical Biology (3 credits), Mathematics and Biomedical Statistics (3 credits) and Medical Psychology (3 credits) are considered as a part of General Education Requirements.

---

## Graduate Programs

---

*Graduate education in the fields of Medicine and Dentistry is in the stage of serious reforms and modernization within the framework of Khazar University's reform program in postgraduate health- and medicine-related areas of study. For further development and changes in postgraduate education in Medicine and Dentistry, see Bulletin of the School of Medicine, Dentistry and Public Health and Khazar University website.*

### Master of Science in Biomedicine Degree

The Master of Science (MS) Degree Program is for graduates who wish to obtain a modern understanding of the different areas of biomedicine and medicine. Graduates with a Master's Degree in Biomedical Sciences may develop their careers in different directions of Biomedical Research, and a wide variety of Health's related services.

The Master of Science in Biomedicine Degree is awarded to students who complete the four year biomedical curriculum and one-year of professional Biomedical Studies. Thus, a specific five-year program in biomedical studies leading to Master of Science Degree (MS) is divided into two parts: four- year Bachelor program (132 credits) and one-year professional Biomedical Studies (an extra 35 credits thus 167 credits in total).

### Requirements for the degree of Master of Biomedical Sciences

CODE	COURSE	CREDITS
BIOMED 501	Clinical Immunology and Allergology	3
MED 406	General and Clinical Radiology	3
BIOMED 503	Methods of Medical Laboratory Diagnostics	3
BIOMED 407	Psychological and Ethical problems of medical Practice	2
BIOMED 402	Oncology	3
MED 309	Psychiatry	3
	<b>Elective professional courses (12 weeks) on:</b>	<b>18</b>
	Medical Genetics and Genetically Consulting	
	Functional diagnostics	
	Immunology	
	Clinical Biochemistry	
	Physioterapy	
<b>TOTAL</b>		<b>35</b>

---

## **Master of Public Health Administration (MPHA) Program**

Today, public health is the umbrella over many issues, including some that seem unrelated to healthcare but that ultimately influence every aspect of life.

The growing threats from our environment, the resurgence of infectious diseases, HIV/AIDS problems, increased violence, an aging population and the escalating costs of healthcare – all are immediate concerns for public health officials.

Public health professionals:

- monitor and evaluate the health needs of entire communities
- promote health practices and behaviors
- work to identify and eliminate environmental hazards to assure that our populations remain healthy.

They are employed by:

- government and social agencies
- managed care companies
- hospitals and health systems
- universities

They are:

- biostatisticians
- community health educators
- environmentalists
- environmental and occupational health specialists
- epidemiologists
- health administrators
- mental health specialists
- nurses
- nutritionists
- physicians
- social scientists

The mission of Public Health Administration program is to prepare individuals for leadership positions in administration, information and analysis in public health, managed care or other organizations, which focus on the health of the population.

### **Admission Criteria**

Preference for admission to the M.P.H.A. program is given to applicants with clearly identified career goals that are consistent with the anticipated training, a strong academic record and academic preparation, and impressive references that state the potential for success as a public

health professional. Preferably the following groups of applicants will be considered for the program.

1. Graduates of doctoral professional programs such as medicine, dentistry, veterinary medicine.
2. Graduates of baccalaureate or post-baccalaureate programs in such fields as biomedicine, nursing, engineering, or one of the natural or social sciences.

A baccalaureate degree is required for admission to the program. The ideal educational preparation would include study in the natural, social, and behavioral sciences, mathematics, economics, business and humanities.

All M.P.H.A applicants shall have taken at least one course in the following areas: mathematics (e.g., calculus, algebra, statistics); general biology; health-related science (e.g., nutrition, microbiology, anatomy, or physiology) or General Biology. Chemistry or physics are recommended by the School.

### **M.P.H.A. Curriculum**

The program leading to the Master degree in Public Health Administration will be implemented jointly with the School of Economics and Management and administrated by School of Medicine, Dentistry and Public Health (SMDPH). In order to meet the changing demands of public health and preventive medicine, the curriculum has been structured to accommodate the diversity of backgrounds and future professional careers of the students of Master of Public Health Administration program. The M.P.H.A. program provides a balance between the broad-based core curriculum and opportunities to pursue individual interests.

The core curriculum of the M.P.H.A program includes philosophical and historical basis of public health, conveying the concept of concern for the health of the population; statistical basis of public health, including quantitative reasoning, quantitative problem-solving, computer applications, and demography; epidemiological basis of public health; social and behavioral determinants of public health; environmental science basis of public health; biological basis of public health; and management theory and practice of public health and human services.

### **Required Courses for M.P.H.A Program**

CODE	COURSE	CREDITS
PHA 101	Epidemiology	4
PHA 102	Biostatistics	3
PHA 103	Environmental and Occupational Health	3

---

PHA 104	Legal and Ethical Aspects of Health Care	4
PHA 105	Public Health System and Policy Development	3
PHA 106	Research Methods in Health Care System	1
PHA 107	Management of Health Care Services & Organizational Behavior	3
PHA 108	Financial Management	4
PHA 109	Health Care Information system	4
PHA 110	Business Communication	3
	Public Health Administration Practice and Course Project	6
	Elective 1	3
	Elective 2	3

(Behavioral sciences and health education, health finance and management, general and industrial hygiene, international health, population dynamics and reproductive health, toxicology, tropical public health, etc)

---

**TOTAL**
**35**

**Note:** *Students may be required to take the following non-credit/prerequisite courses depending on their academic background and experience :*

- Introduction to Medicine (for students with non-medical background)
- English (for students with poor English)

---

**Faculty Members**

---

**Eldar K. Gasimov (DS in Anatomy)**

MD 1972 (Azerbaijan State Medical Institute, Baku)

PhD 1981 (Yaroslavl State Medical Institute, Russia)

DS 1991 (Moscow Medical University, Russia)

**Research interests:** Anatomy. Histology. Circulation of Cerebrospinal Fluid, Blood and Lymph. Electron microscopy studies.

**Murad K. Mammadov (DS in Medical Sciences)**

MD 1976 (Azerbaijan State Medical Institute, Baku)

PhD 1984 (Institute of Poliomyelitis and Viral Encephalitides on Medical Virology, Russia)

DS 1992 (Oncological Research Center of USSR, Russia)

**Research interests:** Virology. Oncology. Breast cancer problems.

**Hikmet Hasanov Q. (DS in Physics)**

MS 1984 (Azerbaijan State University, Baku)

PhD 1992 (Baku State University, Azerbaijan)

DS 2005 (Baku State University, Azerbaijan)

**Research interests:** Heat and mass transfer. Hydrodynamics, Fluid mechanics. Ecologically clean forms of energy (wind, solar, biomass, etc) and their transmission. Remote sensing and physical bases of space images interpretation. Control Systems.

Fuad Mardanli - DS in Medicine; Professor

Alisher Musayev - DS in Medicine; Professor

Fakhranda Sadigova - DS in Medicine; Professor

**Akif A. Salehov (DS in Microbiology)**

MD 1974 (Azerbaijan State Medical Institute, Baku)

PhD 1982 (Azerbaijan State Medical Institute, Baku)

DS 1991 (Institute of Parasitological and Tropical Medicine, Russia)

**Research interests:** Microbiology. Parasitological studies. Epidemiology. The rule epidemiology and primary diagnosis of Echinococcus.

**Ismat S. Ahmadov (PhD in Biophysics)**

MS 1974 (Baku State University, Azerbaijan)

PhD 1979 (Tbilisi State University, Georgia)

**Research interests:** Mineral nutrition. Membrane transport. The nature of ion pumps ( $H^+$ -ATPase, redox systems). Nanotoxicology. Education.

**Nigar I. Bagirova (PhD in Biology)**

MS 1974 (Azerbaijan State Pedagogical Institute, Baku)

PhD 1988 (Institute of General and Communal Hygiene, Russia)

---

**Research interests:** Microbiology. Hygiene. Public health. Environmental Epidemiology.

**Agil X. Aliyev (PhD in Biology)**

MD 1978 (Azerbaijan State Medical Institute, Baku)

PhD 1995 (Institute of Physiology, Baku)

**Research interests:** Animal and Human Physiology. The study of influence of opioid peptids on emotional reactions. General mechanisms of pains and their influences on autonomic functions.

**Tarana R. Qadirova (PhD in Biology)**

BS 1992 (Baku State University, Azerbaijan)

PhD 1997 (Institute of Genetics of Academy of Sciences, Baku)

**Research interests:** Cell biology. Problems of chromosomal diseases. Genetic syndromes.

**Nuru A. Safarov (PhD in Physics)**

MS 1988 (Dnipropetrovs'k State University, Ukraine)

PhD 1997 (Institute of Physics, Azerbaijan)

**Research interests:** Solar elements, termophotoelements, efficiency of photo converters, study of alternative energy sources. Development of gammy detectors for the application in the PET tomography.

**Elchin C. Akberov (PhD in Anatomy)**

MD 1993 (Azerbaijan Medical University, Baku)

PhD 1996 (Azerbaijan Medical University, Baku)

**Research interests:** Ultra structure of sheaths, vessels and nerve fibers participating in the formation of spinal nerves. Ultra structure of vagal nerve. Ultra structure of meninges of brain and spinal cord.

**Anar Abdullayev (PhD in Anatomy)**

MD 1994 (Azerbaijan Medical University, Baku)

PhD 2003 (Azerbaijan Medical University, Baku)

**Research interests:** Minor salivary glands, craniology, craniometry

**Mushfig T. Orujov (PhD in Histology)**

MD 1998 (Azerbaijan Medical University, Baku)

PhD 2004 (Azerbaijan Medical University, Baku)

**Research interests:** Ultra structure of the meningeal, vascular, glial and nervous elements in the CNS. Electron Microscopy and Immunohistochemical investigation of Nervous System. Pathohistological investigation.

**Mehriban S. Ismayilova (PhD in Biophysics)**

MD 1991 (Moscow State Medical Institute, Russia)

PhD 1998 (Institute of Biotechnology and Botanic, Baku, Azerbaijan)

**Research interests:** Photobiology. Free radical processes. Cell pathology. Membranology. UV radiation effect on biological systems.

**Sadraddin M. Gurbanov (PhD in Virology)**

MS 1982 (Far Eastern State University, Russia)

PhD 1987 (Research Institute of Experimental Veterinary Medicine named after Y. Kovalenko, Russia)

**Research interests:** Virology, microbiology, public medicine, phytotherapy, environmental science, public health.

**Rauf O. Shabazov (MD in Surgery)**

MD 1993 (Azerbaijan State Medical University, Baku)

**Research interests:** Diagnostics and treatment of injuries of the liver, problems of diagnosis and treatment of the splenic abscess. Preoperative preparation of the surgical patients with different pathology and performing surgical (including laparoscopic) procedures.

**Gulnara I. Azizova (PhD in Biology)**

MS 1982 (Moscow State University, Russia)

PhD 1988 (Institute of Bioorganic Chemistry, Russia)

**Research interests:** Metabolic suppression of immunoglobulin's activity. Lipoperoxidation processes. Oxidative stress. Chronic renal diseases. Diabetes mellitus.

**Leylaxanum A. Melikova (PhD in Molecular Biology and Genetics)**

MD 1979 (Baku State University, Azerbaijan)

PhD 1989 (Moscow State University, Russia)

**Research interests:** Molecular Biology. Gene and chromosome pathology. Screening of genetic defects in population, genetic pathology, comparison analysis FAD7/8 omega-3 fatty acid, ribotyping and biotyping of Staphylococcus epidermidis.

**Nazim Y. Hasanzade (PhD in Biology)**

MD 1975 (Azerbaijan State Medical Institute, Baku)

PhD 1985 (Moscow State University, Russia)

**Research interests:** Problems of alcoholism. Alcoholism as a disease. Psychiatry. Problem of comorbidity in the diction psychiatry. Comorbid cases in psychiatry.

**Nizami S. Cafarov (MD in Medical-Prophylaxis)**

MD. 1987 (Azerbaijan Medical Institute, Baku)

**Research interests:** Forensic Medical Points on the Pathology of the Pancreas.

**Geyrat Imamaliyev (PhD in Internal Medicine)**

MS 1985 (Azerbaijan Medical University, Baku)

PhD 1996 (Azerbaijan Medical University, Baku)

**Research interests:** Internal Medicine and Cardiology. CPR according to ACLS protocol. Echocardiography, interpretation of ECG and CX-ray.

**Xuraman X. Aliyeva ( PhD in Physiology)**

MD 1974 (Azerbaijan State Medical Institute, Baku)

PhD 1980 (Institute of Parasitological and Tropical Medicine, Russia)

**Research interests:** Pathological physiology. Microbiology. Parasitological problems.

**Samira Sharifova (MS in Engineering of Medical Devices)**

MS 1987 (Moscow Technical University, Russia)

MD 1989 (Moscow Technical University, Russia)

MBA 2001 (Western University, Baku)

MBA 2003 (The University of Missouri-Columbia, USA)

**Research interests:** Electrical Engineering and Medicine.

**Qalib B. Mammadov (MD in Internal Medicine )**

MD 1994 (Baku Medical University, Azerbaijan)

**Research interests:** Diagnosis, prophylactics, prevention and treatment of internal disorders. Emergency medicine and intensive care. Surgery. Patient Evacuation.

Fatma Huseynova - PhD, Medicine; Assistant Professor

Samit Huseynov - PhD, Medicine; Associate Professor

Adil Aliyev - PhD, Medicine; Assistant Professor

Rena Taqizade - PhD, Biology; Assistant Professor

Zarifa Rustamova - PhD, Biology; Assistant Professor

Rena Kerimova - PhD, Medicine; Assistant Professor

Kamala Zahidova - PhD, Medicine; Assistant Professor

Azer Rashidov - PhD, Medicine; Assistant Professor

Jamil Qaraqashli - PhD, Medicine; Assistant Professor

Arif Yusifov - PhD, Medicine; Assistant Professor

Sakina Quliyeva - PhD, Medicine; Assistant Professor

Ibrahimov Rahim - PhD, Medicine; Assistant Professor

Sheyda Shikhaliyeva - PhD, Biology; Assistant Professor

Rizvan Amirov - PhD, Biology; Assistant Professor

Farrukh Purdjani - PhD, Medicine; Assistant Professor

Mirvari Hajieva - PhD, Medicine; Assistant Professor

Javad Efendiyev - MS in Psychology, Assistant Professor

Samira Kalantarli - MS in Biomedicine, Assistant Professor

Ghada Kurban - MS in Biochemistry; Assistant Professor

Khuraman Abbasova - M.D., Assistant Professor

Aydin Kazimov - M.D., Assistant Professor

Ayten Qafarova - M.D., Assistant Professor

Ismet Mammadov - M.D., Assistant Professor

Gulnara Agayeva - M.D., Assistant Professor

Samir Hajibalayev - M.D., Assistant Professor

Vafa Vatankhan - M.D., Assistant Professor

Ali Ismayilov - M.D., Assistant Professor

Zakiya Mustafayeva - M.D, Assistant Professor

Ayten Alekberova - D.D.S., Assistant Professor

Mirsadiq Huseynov - D.D.S., Assistant Professor

Najaf Allahverdiyev - D.D.S, Assistant Professor

Mehriban Mammadova - Master of Public Health; Assistant Professor

Nargiz Shamilova - Master of Public Health; Assistant Professor