



KAZAN FEDERAL UNIVERSITY



KFU MISSION



RECTOR'S WELCOME

As one of the oldest higher education institutions in Russia, Kazan University contributed significantly to creation of a higher education system in our country. Its outstanding scholars and graduates brought it international fame, while the university culture produced a favourable effect on development of Kazan city and the Volga Region.

In October 2009, the University got the federal status. This event became a logical continuation of the 205-year history of Kazan University and served as an impetus for new achievements in the sphere of science and educational technologies. KFU is a bright example of a classical university – a source of fundamental knowledge and continuous development.

Today KFU solves problems of national importance through its Development Program 2020. The program is based on the necessity to broaden those training fields, which facilitate integration processes in the spheres of science, education and production to the utmost. They are fundamental medicine and pharmaceuticals, engineering, culture and languages of the Volga Region peoples, logistics, regional studies and Islamic studies, urban studies, scientific-and-technical and socio-economic forecasting, recreational services and others.

Under new conditions, the defining role is played by self-starters prone to nonstandard solutions and lifelong learning. Therefore, the federal university should lead the way in the transition to education adequate to the requirements of the society and economy and interests of each citizen.

Ilshat Gafurov,
Rector of Kazan Federal University

FACTS, FIGURES, FACES

"IF RUSSIA IS DESTINED TO TRANSFER THE WEST TO ASIA AND FAMILIARISE EUROPE WITH THE ORIENT, AS PETER THE GREAT FOREKNEW, THEN, WITHOUT DOUBT, KAZAN WILL BE THE MAIN CARAVANSARY ON THE WAY OF EUROPEAN IDEAS TO ASIA AND THE ASIAN TEMPER TO EUROPE. THAT'S WHAT KAZAN UNIVERSITY HAS UNDERSTOOD..."

"LETTERS FROM THE PROVINCE",
ALEXANDER GERTSEN. 1836



Before 1878 Kazan University was the farthest Eastern university of the Russian Empire: its academic district included the Volga Region, Kama Region, Ural Region, Siberia and Caucasus. When higher education institutions appeared in Siberia and Far East, the enlightening mission of Kazan University wasn't ceased. Its world-famous scientific schools kept on producing beneficial effect on national science and education. The forecast of the eminent writer and social thinker, Alexander

Gertsen, that Kazan University would connect the Occident and the Orient, world cultures and languages, has come true. Now there are no barriers for establishing partnership ties with many countries, and Kazan University occupies a worthy place in the world scientific and cultural exchange. And its cooperation with about one hundred of research and training centers from forty states testifies this fact.

KFU AT A GLANCE



Founded in 1804, Kazan University is the second oldest university in the Russian Federation, and now is an internationally acknowledged center of academic excellence.

The main center of higher education for a vast region, KFU has over 47,000 students, who follow 310 major degree programs.

The University carefully preserves the traditions of its world renowned scientific schools of mathematics, physics, chemistry, biology, and linguistics. Over the last

decade it has succeeded in promoting state-of-the art research in the areas of nanotechnologies and biomedicine, psychology and cultural studies, humanitarian and pedagogic technologies, often taking advantage of interdisciplinary approaches.

KFU continues to serve as a leading national research center, providing its students and faculty, as well as academic visitors, with many laboratories, excellent museums, a botanical garden, research field stations, three astronomic observatories and many other facilities.

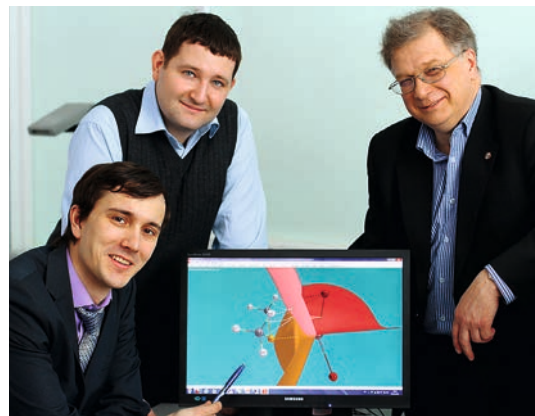


KFU Nikolai Lobachevsky Library, containing over 5.000.000 works, is one of the largest and oldest in Russia.

The University is a recognized leader in international cooperation. Each year KFU members win dozens of grants from international foundations, involving themselves in projects with cutting-edge research centers in many countries. Students and professors actively participate in bilateral research and exchange programs with 130 partner institutions in more than 35 countries.

In October, 2009 the University received the high federal status. This became the logical continuation of the 205-year history of the development of Kazan University and a foothold for the breakthrough in the sphere of educational technologies.

2012 saw the end of merging several Tatarstan HEIs into the Volga region Federal University. New Kazan University successfully integrated the functions of the Academy of Public and Municipal Management under the President of Tatarstan, Institute of Finance and Economics, Tatar State University of Humanities and



Education, Elabuga State Pedagogical University, and Kama State Academy of Engineering and Economics (INEKA).

A number of new academic divisions has been organized as a result of the university restructuration:

- Institute of Fundamental Medicine and Biology;
- Institute of Mass Communications and Social Sciences;
- Institute of Engineering;
- IT-Lyceum of KFU;
- N.I. Lobachevsky lyceum of KFU.

At the moment the University consists of 17 institutes, 3 higher schools, 2 faculties and 4 branches covering a broad range of areas in Life Sciences, Physical and Mathematical Sciences, IT and Engineering, Natural Sciences, Humanities and Socioeconomic Science.

At present KFU ranks 601-650 by QS World University Ranking and is in TOP 15 list of the leading universities of Russia. Drawing on its best traditions, Kazan University stands firmly aspiring to operate effectively under new conditions and always look to the future.

EDUCATION IN KFU



KFU OFFERS A WIDE RANGE OF EDUCATIONAL PROGRAMS FOR ALL AGES:

- Pre-university training (Children's University, IT Lyceum, Preparatory School for international students)
- Tertiary education (Bachelor, Master degree programs, specialist diploma programs, doctoral programs)
- Advanced training and retraining of the university staff, government and municipal bodies employees
- Supplementary education
- Federal Presidential program for administrative staff training
- Third Age University for Seniors

KFU educational system supports specialists on all stages of their professional activity. The Volga Region Interregional Center for Advanced Training and Professional Retraining of educational system employees, as well as the Corporate University Sberbank, School of Public Administration and the project "Minor academy of public administration in the Republic of Tatarstan" contribute to this support.

Today KFU students can attend public lectures delivered by professors from leading universities of Russia and other countries. In addition, they have access to full-time or part-time training, e-learning, can attend evening classes – in a word, can choose the form of studying they prefer.

ACADEMIC FACULTY

Total number of faculty at KFU exceeds 4000, of them 2850 members are holding doctoral degree, including eminent scientists enjoying authority in Russia and Europe.



KFU is the national leader in Pedagogy, History, Philosophy. It is also one of top five Russian universities in the following disciplines: Chemistry, Economics, Biology and Medicine, the English Language and Literature, Mass Communications and Journalism.

In 2012 KFU faculty published hundreds of articles in academic journals indexed by Scopus database. In 2012 about 100 leading scientists carried out research and training activities in the fields of top priority for KFU.

KFU ACADEMIC UNITS



INSTITUTE OF PHYSICS

The Institute of Physics is a leading national center for education and research in different branches of contemporary physics, astronomy and high technologies. It has more than 200 years of history with remarkable discoveries and findings. Among many the names of Zavoisky, Petrov, Engelhardt, Altshuler and others could be mentioned.

Today the Institute possesses a well-developed scientific infrastructure and offers a unique combination of fundamental classical and engineering education. The Institute has more than 180 modern research laboratories, interdisciplinary education and research centers "Medical Physics" and "Physics of Complex Systems", astronomical observatories in Turkey, North Caucasus and in Kazan suburbs. The Institute owns up-to-date research equipment to search for new crystals, thin films, nanosystems and study their properties for quantum electronics, optics, spintronics, nanoelectronics and biomedical applications. Several laboratories work together within the Center for

the Shared Facilities "Physical and Chemical Studies of Matter and Substances". Scientific investigations are provided in the framework of several main directions – from physics of atoms, molecules and nanosystems to astrophysics and space research.

Students actively exploit advanced computer technologies in their education and research activity. The Institute employs approximately 180 teaching faculty members, among them 57 full professors; it has over 1,000 under- and post-graduate students.

The system of higher physical education and scientific-pedagogical school of the Institute has received international recognition. The Institute also offers several joint programs for Master and first doctoral degrees. The Institute consists of 4 divisions: Physics, Radiophysics and Telecommunication Systems, Astronomy and Cosmic Geodesy, Scientific-Pedagogical Department, which unite 16 departments

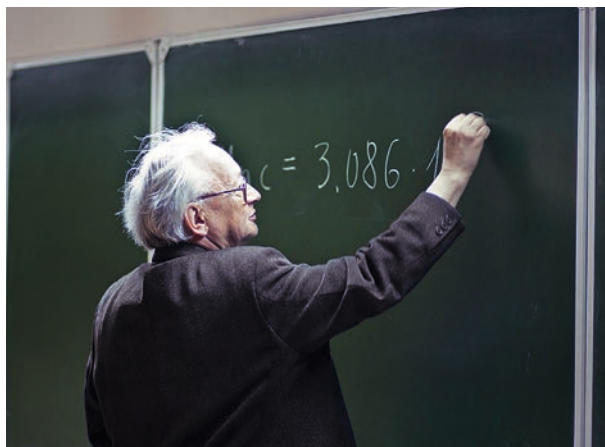
LOBACHEVSKY INSTITUTE OF MATHEMATICS AND MECHANICS

From the establishment of Kazan University, achievements of its technicians and mathematicians have been an integral part of its research potential. Dating back to the great Nikolai Lobachevsky, the Institute has had a worldwide reputation for excellence.

Today the Institute focuses on a number of major complex scientific fields. It has 6 mathematical and 2 mechanical departments and offers concentrations in Mathematics and Mechanics.

Students learn to use modern operating systems, office software, Mathematica and MATLAB packages, and acquire advanced programming skills. Special attention is paid to computational methods and computer technologies for applied problems solving.

Highly acclaimed undergraduate and postgraduate training is fulfilled by 25 Doctors of science and more than 45 Candidates of science.



INSTITUTE OF COMPUTER MATHEMATICS AND INFORMATION TECHNOLOGIES

The Institute produces experts competent in a wide range of state-of-the-art computer applications in education, science, industry, and management. The Institute runs leading research in the areas of fundamental informatics and information technologies. Well-equipped computer rooms allow to master modern information technologies, to work on term papers and diploma theses. The Institute maintains close working contacts with large domestic and foreign IT companies, such as ICL-KME CS, Microsoft, Softline, and many others.

The Institute offers 2 majors: Applied Mathematics and Informatics, Mathematical Methods in Economics, and 4 concentrations: Information Technologies, Applied Mathematics and Informatics, Applied Informatics, Information Science for Business. The graduates have been rated second to none in terms of their competitive ability in the sphere of Information Technologies (according to independent rating agency ReitOR). The Institute employs over 100 faculty members including 27 professors – Doctors of science.

KFU ACADEMIC UNITS

INSTITUTE OF FUNDAMENTAL MEDICINE AND BIOLOGY

Institute of Fundamental Medicine and Biology is one of the largest among structural units of Kazan Federal University. The Institute was established as a Medical School in 1804, and during the following 200 years has been a home for numerous medicine and biology students.

The Institute is divided into three divisions: fundamental medicine and molecular biology, biology and biotechnology, pedagogy. Currently, these divisions unite 13 academic departments, several research laboratories, and educational museums of botany and zoology.

Recently, the research and teaching labs have been equipped with the state-of-the-art research instruments. Most of the students have a hands-on experience in the selected areas of biology and biomedicine during their semester and final year research projects supervised by the leading academics.

As our undergraduate students take part in research at the departments, they have an opportunity to present their results at national and international conferences and to co-author the research papers published by their supervisors.



INSTITUTE OF PHYSICAL EDUCATION, SPORT AND RESTORATIVE MEDICINE

The Institute of Physical Education, Sport and Restorative Medicine of Kazan Federal University was established in 2011. The Institute trains over 600 full and part-time students. The faculty of more than 100 members include full, associate and assistant professors as well as senior lecturers. Education is provided by 6 departments.

Students and graduates of the Institute are well-known sportsmen in Russia and abroad. They take part in all major sports competitions such as world championships, Universiade games, etc. In the Olympic games-2012 in London Yulia Zaripova, a 5th-year student, won the gold medal in 3,000 m. steeplechase with 9'06''72, KFU graduate Alexey Obmachaeve, also became the Olympic champion in London as a member of the Russian National volleyball team.



HIGHER INSTITUTE FOR INFORMATION TECHNOLOGIES AND INFORMATION SYSTEMS

Higher Institute for Information Technology and Information Systems is one of the youngest and the most innovative academic departments of KFU.

In 2011 the Ministry of Informatization and Communication of Tatarstan and Kazan University joined their efforts together with regional IT companies as well as world-famous brands like Microsoft, HP, Cisco, Oracle, IBM, and Samsung in order to create new IT-unit of premium class.

The Institute today offers Bachelor degree program in Applied Informatics and Master degree program in Software engineering. ITIS is intended to involve students in work from the earliest stages of study therefore it focuses on application-oriented subjects.

The students take regular practical training at the leading IT enterprises and IT-parks. They also have access to research laboratories of the world-leading IT companies, based at ITIS, such as Microsoft, HP, Cisco, Fujitsu, Exigen Services, Sumsung.

The number of laboratories is continually growing: Intellectual Search Engines and Semantic Technologies, IT in Medicine, Applied Semiotics Lab now are working. Many of students become employees of best IT-companies during their studies. Teaching is provided not only by professors of Kazan University, but also by experienced developers and engineers as well as visiting professors from the world's best universities.



KFU ACADEMIC UNITS

INSTITUTE OF ECOLOGY AND GEOGRAPHY

Kazan University has been a recognized leader in the field of ecological and geographical education. The Institute of Ecology and Geography is a unique unit combining training of specialists in natural sciences, environmental and socioeconomic disciplines. Schools of Ecology, Meteorology, Environmental Biotechnology, Geomorphology and Mathematical Modeling are well known from coast to coast in Russia. Investigations are

mainly devoted to studying natural and anthropogenic geo- and ecosystems and monitoring and forecasting their transformations.

The Institute has 9 departments, 6 laboratories with modern equipment, a meteorological observatory and 3 field stations. Students are trained in Bachelor programs on Ecology and Nature Management, Geography,

Cartography and Geoinformatics, Hydrometeorology, Land Registries, Tourism, Hotel Business, Pedagogical Education. The Institute employs 116 highly qualified faculty members, including 17 professors and 43 associate and assistant professors.

The Institute prepares research specialists with deep theoretical knowledge in classical and modern ecology, biology, geography. Highly educated graduates of the Institute work in scientific and educational center of Russia, Europe, USA etc., in government organizations of Russia and different enterprises.

ALEXANDER BUTLEROV INSTITUTE OF CHEMISTRY

Alexander Butlerov Institute of Chemistry is a successor to the traditions of Kazan School of Chemistry, one of the leading scientific and educational centers in Russia. Today it is one of the top three chemical schools of Russia along with the Faculties of Chemistry at Moscow and St. Petersburg State Universities.

The Institute consists of five departments and eight research units which virtually cover all of the latest trends in modern chemistry. The Institute employs 35 full professors, a full member and two corresponding members of the Russian Academy of Sciences, a corresponding member of the Tatarstan Academy of Sciences, dozens of distinguished scholars and educators of Tatarstan and the Russian Federation.

The Institute trains world-class specialists in various fields of chemistry: inorganic, organic, analytical, hetero-organic and physical, as well as electrochemistry and chemistry of coordination compounds.



Recent years have marked an intensive development of research and professional training in the field of nanomaterials and nanochemistry, efficient catalysts for the chemical industry and the creation of new medications. Now the Institute is one of the major players in the development and implementation of the pharmaceutical industry in the region as part of the federal program "Pharma 2020".



A photograph of a massive, layered rock formation, likely a geological outcrop. The rock is light-colored with distinct horizontal strata. A group of six people is standing on a narrow ledge or cave opening in the middle of the formation. The foreground shows some dark, mossy rocks and sparse vegetation.

KFU ACADEMIC UNITS

INSTITUTE OF GEOLOGY AND PETROLEUM TECHNOLOGIES

The Institute of Geology and Petroleum Technologies was established in 2011 on the basis of the KFU Faculty of Geology. The Institute includes 7 departments, Research and Training Centers for Natural Bitumen Development, for Aerospace Technologies, for Engineering, Geological and Geophysical Investigations; over 20 research and training labs, Research and Training Complex "Petrophysics". Magnet Observatory is one of the oldest in the country and most extensive Geology Museum is one of the richest natural science

museums in Russia. Currently, the Institute trains over 800 students in 6 Bachelor and 5 Master programs in Geology and Petroleum engineering. Students have unique opportunity to acquire practical skills during field trainings and expeditions to the deposits of mineral resources. The Institute's laboratories boast up-to-date teaching facilities and special equipment. Highly qualified scholars supervise the research process, of them 21 full and 43 associate professors.



INSTITUTE OF PSYCHOLOGY AND EDUCATION

The Institute of Psychology and Education is a leading scientific and educational unit in the Volga Region working on problems of theory and methods of professional training.

The Institute was established at Kazan Federal University in September, 2011. Its organizational structure includes the Division of Pedagogy, the Division of Psychology, and the Volga Centre of Professional Training and Retraining of Educators.

The students are admitted and trained to receive a Bachelor degree in Pedagogical education, Psychological and pedagogical education, Psychology, Special education (speech pathology) and Master degrees in Pedagogics and Psychology. Educational process and research work at the Institute are supported by more than 150 faculty members, including 25 Doctors of Sciences and full professors and 100 Candidates of Science and senior lecturers.



KFU ACADEMIC UNITS

INSTITUTE OF PHILOLOGY AND INTERCULTURAL COMMUNICATION

Institute of Philology and Intercultural Communication is one of the largest academic structures at Kazan Federal University. More than 3000 students study here including international students from 15 countries worldwide. 300 faculty members work at the Institute. Among them there are leading scientists and award laureates in the fields of culture and science; honored lecturers, designers and artists.

The Institute comprises 2 divisions (Russian and Foreign Philology; Tatar Philology and Intercultural Communication); Salikh Saidashev Higher School of Arts; three educational centers (Russian and Slavonic Studies, Tatar-Turkic Philology and Ethnocultural Education, Sociocultural and Polylingual Research), Kazan International Linguistic Centre and student theatres "Mizghel" and "Ladya". Doctoral programs cover 12 main areas. Philology and Culture Journal is published at the Institute.

The Institute is acknowledged as one of the leading educational centers of Philology and Arts in the Russian Federation.

THE INSTITUTE OF MASS COMMUNICATIONS AND SOCIAL SCIENCES

The Institute was established in 2012 and became a successor of the Faculty of Journalism and Sociology. The Institute consists of 3 divisions: Journalism, Sociology and Public Relations, with 7 departments: Sociology, Journalism, Theory and Practice of Electronic Mass Media, Tatar Journalism and Applied Politology, Television and Teleproduction, Ethnosociology and Ethnopolitics.

Nowadays, the Institute counts more than 1000 students. Over 80 faculty members including professors, associate professors, senior lecturers and assistant profes-



sors work here. Experienced practitioners are actively involved in the teaching process. The Institute hosts the Internet Journalism Lab, Editorial Board of Student Newspaper, Computer and Photo Labs available for comprehensive research and academic activities, practical trainings and independent work of students.

Students majoring in Journalism study a wide spectrum of disciplines pertaining to humanities and enjoy the opportunity of internships at the republican mass media. During the semester and summertime the Institute organizes internships in order to develop students' skills in diverse work as a journalist. The best students are employed in editorial boards of newspapers, radio stations, national and republican television companies.



and local offices of diverse areas, including the Russian Federation Ministry of Foreign Affairs and international organizations.

The structure of the Institute includes unique museums of Archaeology and Ethnography, a number of Centers (Archaeology and World Cultural Heritage, Intercultural Communication, Oriental Studies) and several international education and culture centers (Confucius Institute, Japanese Studies, Iranian Studies, Judaic Studies, Korean Studies, Indian Studies, Al Khadara Arabic Cultural Centre) which directly serve the purpose of the education.

Students can join student research societies at different departments. Talented students are involved of the work of the Children's University project.

The Institute employs more than 150 professionals; over 100 of them hold doctoral degrees.

INSTITUTE OF INTERNATIONAL RELATIONS, HISTORY AND ORIENTAL STUDIES

The institute is one of the biggest academic units of the University in terms of the number of students, fields of studies and research areas which include History, Oriental Studies and International Relations. Traditions of historical education as well as oriental studies date back to the first years of existence of Kazan University.

The Institute consists of 4 divisions: History, Oriental Studies, International Relations, Translation Studies and World Cultural Heritage. The Institute trains more than 2300 students on 9 majors and 22 concentrations such as International Relations, History and Archaeology, Oriental Studies, Cultural Studies and others. Graduates are in demand in education sphere and in public



KFU ACADEMIC UNITS

INSTITUTE FOR COMPARATIVE STUDIES OF MODERNITY

The Institute for Comparative Studies of Modernity was based on almost twenty-year experience of the Centre for Sociology of Culture which played an important role in developing academic sociology in the Volga region. The Institute has an International Advisory board with involvement of international scholars.

The main research areas the following: Theories of modernity/modernization (including the problems of conventional teleological narratives and conceptions of mo-

ernity, comparative analysis of multiple modernities), Interpreting diversity (conventional multiculturalism, confessional diversity, investigating civil society at local, regional, national and transnational levels, among others) and Study of practices in local and regional context (social organization and interaction regional issues comparisons with practices in other contexts, etc.).

The Institute has a Centre for Cultural Studies of Post-Socialism created together with European University in Saint-Petersburg, and the Volga Region International Centre for European Studies – supported by European Commission. The Institute opens a Master program on Comparative Social Studies.



FACULTY OF LAW

KFU Law Faculty is a leading law school in Russia being a successor of Morals and Politics Department of Kazan Imperial University established back in 1804. Currently





4,000 students are trained at the Faculty. Various forms of instruction are available: full-time, part-time and distant learning in two majors: Law and Teacher of Law. The Faculty is made up of 8 departments: Theory and History of State and Law, Criminal Law, Criminal Process and Criminalistics, Civil and Entrepreneurial Law, Environmental, Labor Law and Civil Process, International and European Law, Constitutional Law and Human Rights, Theory and Methodology of Teaching Law.

The Faculty employs 19 Doctors and 54 Candidates of Science and associate professors. Professionalism of the faculty members ensures highly efficient research and training of top-notch lawyers.

FACULTY OF PHILOSOPHY

The Faculty of Philosophy was established in 2007, yet its roots go back the Department of Philosophy functioning from the early ages of Kazan University. The Faculty includes 6 departments: Social Philosophy, Religious Studies, Political Science, Conflict Resolution, General Philosophy and Philosophical Anthropology. Moreover, the Center of Mediation, Conflict Resolution and Extremism Prevention have been set up at the Faculty.

There are more than 500 students today at the Faculty. Three corresponding members of the Tatarstan Republic Academy of Science and 41 associate professors work at the Faculty. The faculty gives basic humanitarian education consisting of both deep theoretical overview and applied skills.



KFU ACADEMIC UNITS

INSTITUTE OF ECONOMICS AND FINANCE

The Institute of Economics and Finance trains highly qualified specialists in Finance, Banking, Accounting, Securities' Market, Analysis and Audit, Production and Labor Economy. The Institute carries out fundamental research on problems of market economy which results are successfully applied both in real life economy and teaching.

The Institute offers Bachelor and Master degrees with major in Economics and Management. Pre-university training, programs of additional education, doctoral studies as well as professional retraining in Organization Management, Finance and Credit, Accounting, Analysis and Audit are also available. The Institute attaches special importance to development of networks. The Institute has research and training centers on In-

novation Development of Finance and Credit Sphere, Computer Simulation of Economy, Economic Development and Innovations. The Institute implements practice-oriented approach in teaching and research and encourages student virtual business-projects.

INSTITUTE OF MANAGEMENT AND TERRITORIAL DEVELOPMENT

The Institute was established in 2011 on the base of the Faculty of Economics. The Institute's mission is to produce highly skilled personnel for the national economy who will act as decision-making experts in improving Russia's business environment. The students are trained with the use of interactive techniques, in accordance with modern international standards.

Students are trained in the fields of State and Municipal

Management, Urban Development, Marketing and Management. From the very beginning students learn how to embrace broad understanding of global and regional economy, to form a professional approach to their work and become leaders of their society in the field of management.

The Institute also offers Master programs in Economics, Management, HR Management, Business Informatics, Public and Municipal Administration.

The Institute employs 209 highly qualified faculty members including 35 Doctors of Science.



SCHOOL OF PUBLIC ADMINISTRATION

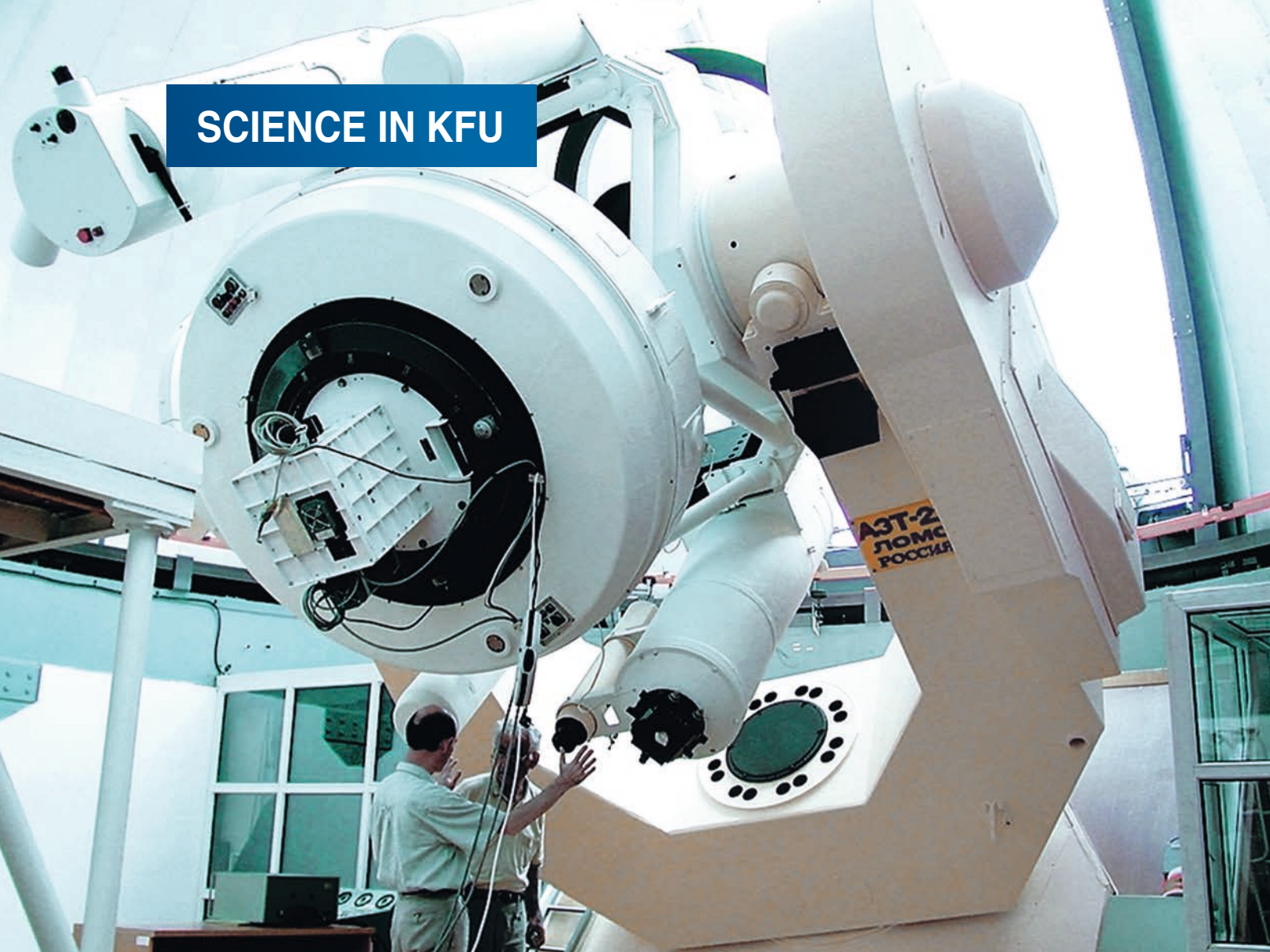
KFU School of Public Administration was established in accordance with the system of assessment and professional development of public servants of the Republic of Tatarstan and the Volga Federal District. The School's academic programs are designed in compliance with the modern idea of an efficient state official in terms of their educational background and professional competences.

The School serves a base for educational and research projects in the field of Public and Municipal Administration. To become a leader in the sphere of continuous education the School has set the goals as follows:

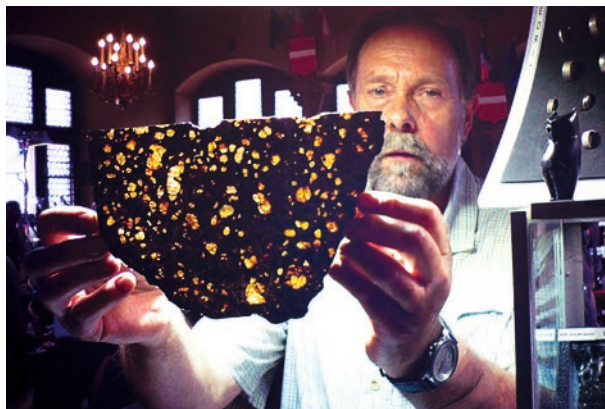
- Create a universal product in education, research and consulting support for the public and municipal sector;
- Ensure academic mobility for rapid decision-making and response to changes;
- Ensure long-term beneficial collaborations with all stakeholders including ministries, agencies and municipalities.



SCIENCE IN KFU



- 120 research laboratories, 36 science and education centers
- Over 400 scientific projects financed from federal and republican funds and foreign sources
- 6736 articles and monographs
- 15.8 mln. Euro of research funding
- 141 patent and utility model
- 142 conferences held at KFU basis incl. 54 international ones
- 263 doctorate theses defended



KFU KEY RESEARCH AREAS

- Resonance properties of condensed media
- Physics of atoms and molecules
- Radiophysical studies of natural environment and information systems
- Cognitive simulation and computer linguistics
- Modern issues of mathematical analysis, algebra and geometry
- Synthesis, composition, reaction capacity and practical benefits of organic, organoelement and coordination compounds
- Biomedical radiospectroscopy and optics
- Study of biological, physiological and biochemical bases of plant introduction and introduced species application
- Structure and composition evolution of Earth solids, formation conditions and distribution factors of mineral deposits
- Dynamics and interaction of natural and socio-economic geographic systems
- Cultural heritage objects through complex historical, archeological and natural scientific studies of
- History of civilizations and cultures: common tendencies and regional peculiarities
- Socio – legal bases for strengthening Russian statehood under the conditions of federalism, democracy and international law order in the XXI century
- Human, society and politics in globalized world
- East-West: Dialogue of civilizations – language, history, culture and geopolitics

RESEARCH FACILITIES

KFU is actively developing its laboratory facilities. Within the latter three years there has been purchased modern equipment to the sum of more than 25 mln. Euro. 29 new state-of-the-art research laboratories were launched in KFU in 2012, now their total number being over a hundred.

2012 also saw intensive augmenting of research equipment for the labs on chemistry, biology, geology and

physics. Unique equipment provides an ample reserve for fundamental research and innovative development of the region.

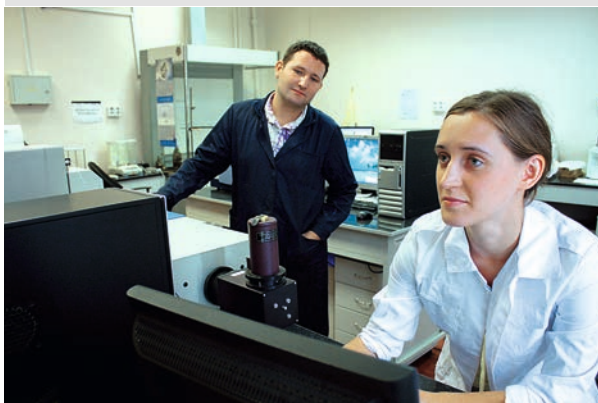
Alexander Butlerov Institute of Chemistry has been equipped with 400 MHz Avance 400 NanoBay NMR-spectrometer which permits to register NMR spectra of practically all elements of the Mendelev's periodic table.



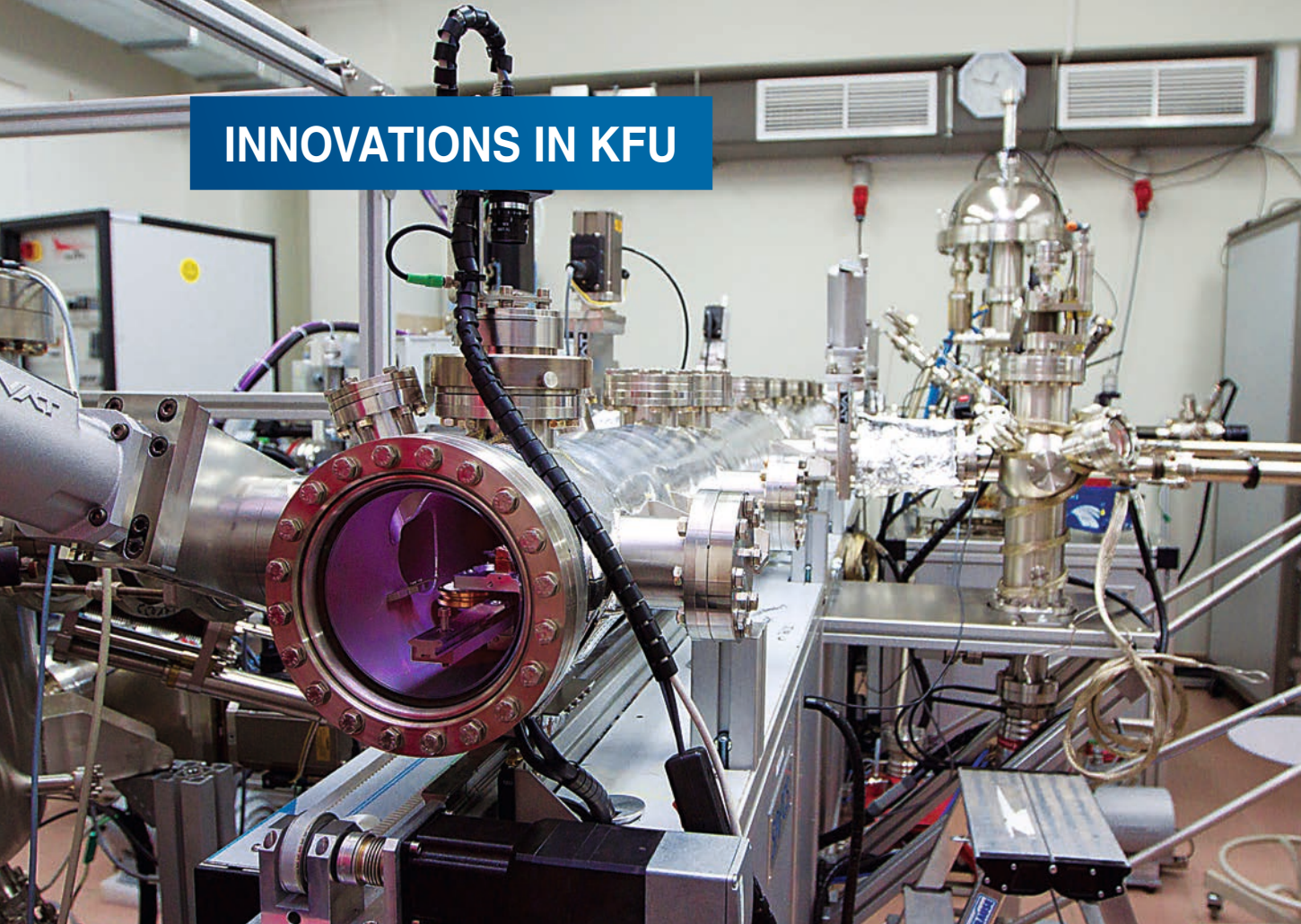
A multipurpose analytical complex of high-resolution scanning electron microscopy installed in the Institute of Geology and Petroleum Technologies provides for a wide circle of fundamental research of conductor and nonconductor surfaces.

A unique wide-angle coelosphere monitoring system, unrivalled in the whole world by the set of characteristics, which is destined for search and study of high-speed phenomena in the near and deep space has been installed in the Institute of Physics of KFU.

The Institute of Fundamental Medicine and Biology has got an analytical complex for proteomic research, which permits to solve a wide spectrum of both fundamental and applied problems. The Institute's project team together with research institutes of Germany, USA and Japan has won the Multifaceted research project contest 2012 "Material efficiency as the first step to stable production".



INNOVATIONS IN KFU



There has been created a substantial system of support of innovation activity in KFU. The Innovative Development Office assists in commercialization of projects developed by KFU researchers, promoting innovation to the market, establishing connections between business and science and participation of commercially significant projects in contests and grants.

A recent example is promotion of the project on decontamination of soils polluted with petroleum and fuel supported by Skolkovo Fund.

The contest "Top 10 innovation ideas of KFU" is an effective form of supporting applied research and experimental developments which possess an innovation potential and prospect of being introduced into the economy and academic process.

Research and Training Centers represent an organizational form of interaction between the University and consumers of research and training services. The Centers fulfill the key function of innovation activity – training of entrepreneurs from among graduate and doctoral students and young scientists.

RESEARCH AND TRAINING CENTERS OF KFU

- Materials and Technologies of the XXI Century
- Technical Physics and Materials Science (in collaboration with Evgeny Zavoysky Kazan Institute of Physics and Technology, Kazan Research Center of RAS)
- Cloud Technologies and Information Systems (in collaboration with ICL-KPO VS, JSC)
- Physics and Mechanics of Power Generation Processes (in collaboration with Institute of Mechanics and Mechanical Engineering, Kazan Research Center of RAS)
- Pharmaceuticals and Biotechnologies
- Modern Satellite Technologies
- Study of Tatar Language, Turkic Languages and Ethnocultural Education
- Sociocultural and Multilingual Studies
- Russian and Slavonic Philology
- Quantum Optics, Nanophotonics and Laser Physics
- Extreme Problems of Comprehensive Analysis and Mathematical Physics
- Baudouin de Courtenay Research and Training Center
- Regulation of Cell Response to Stress Factors
- Resonance characteristics of Condensed Matter
- Modern Geophysical Technologies
- Developing Organism Adaptation Issues
- Computer Simulation of Economics
- Entrepreneurship and Marketing
- Creative Thinking
- Pharmaceuticals



COOPERATION WITH INDUSTRY



Kazan University has programs of cooperation with virtually all large-scale enterprises of Tatarstan, as well as some manufacturing and engineering companies of Europe and Asia.

Cooperation forms include development and implementation of training programs for the specialists of the companies and customized R&D. These activities are also approved by Tatarstan Association of Enterprises and Entrepreneurs.

FACTS, FIGURES, FACES

In 2012 KFU successfully finalized implementation of three large-scale projects in collaboration with enterprises:

Increase of effectiveness of synthetic rubber monomer production by development and industrial implementation of high-technology manufacturing of domestic catalysts of isoamylene dehydrogenation – in collaboration with Nizhnekamskneftekhim, JSC (project budget is 12,8 mln. Euro);

Creation of innovation developments, technologies and equipment and software tools production organising for efficient depths research with a view to explore hydrocarbon deposits and control their development – in co-operation with TNG-Group (13,5 mln. Euro);

Development of research and technical basis for production of photorecording materials competitive in the world market – in collaboration with NPP Tasma, LLC (2,5 mln. Euro).



STRATEGIC PARTNERS OF KFU

- Kamaz
- Tatneft Nizhnekamskneftekhim
- TNG-Group
- Tatkhimfarmpreparaty
- Tatneftekhiminvestholding
- Sberbank RF
- Ak Bars Bank
- Schlumberger
- British Petroleum
- Samsung
- HP
- Microsoft
- Ford
- Renault-Nissan

KFU IN THE WORLD

KFU continues expanding and developing its cooperation with universities and research centers all over the world. By the day KFU has more than 120 partner institutions from 37 countries. Collaboration with foreign universities is implemented in the form of student and faculty mobility, joint academic programs and research projects. For instance, 2012 saw the first awarding of diplomas to the graduates of joint Bachelor program with the University of Paris 3 – New Sorbonne, France, on Philology, and BBA program with SUNY Canton, USA. On the basis of joint laboratory complex with RIKEN Research Institute, Japan, research teams from KFU and its partner organizations conduct their studies on state-of-the-art equipment.



KFU INTERNATIONAL PARTNERS

- RIKEN Institute, Japan
- University of Strasbourg, France
- Justus Liebig University, Germany
- Free University of Berlin, Germany
- University of Paris III – New Sorbonne, France
- École Polytechnique Fédérale de Lausanne, Switzerland
- University of Birmingham, Great Britain
- University of Helsinki, Finland
- Catholic University of Leuven, Belgium
- Istanbul University, Turkey
- University of Granada, Spain
- Humboldt University Berlin, Germany
- State University of New York, USA
- Tor Vergata University, Italy
- University of Innsbruck, Austria
- Hunan Normal University, China
- Pusan National University, Korea
- Masaryk University, Czech Republic

Annually KFU students and faculty win 60-70 individual grants from authoritative organizations and funds like DAAD, DFG, Volkswagen, Erasmus Mundus, IREX, CRDF, Ford, Carnegie, grants of national cooperation development programs and scientific societies of Belgium, France, Sweden, Japan, China and other countries.



There are 22 international centers functioning in KFU, including Information Center of the European Union, German and Spanish Centers of Education and Culture, DAAD office, UNESCO Department of Eurasian Studies, Confucius Institute, Korean Studies Center, Iranian Studies Center, centers of HP, Microsoft, Cisco companies, testing centers: TOEFL iBT and Cambridge ESOL (English), DELE (Spanish), TestDaf (German) and TORFL (Russian as a foreign language).



KFU SPIRIT

The history of Kazan University is comprised of biographies of thousands of people from various strata of the society. Corporate consciousness and patriotism were inherent not only in scientists and their students, but also in common servants. Students start feeling their involvement in the University almost from the first days – that is the lofty spirit of science and culture, which has been reigning over the walls of the Alma mater for more than two centuries...

KFU MUSEUMS

- Kazan University History Museum
- Edward Eversman Zoology Museum
- Alexander Stuckenberg Geology Museum
- Archeological Museum
- Ethnographic Museum
- Museum of Kazan School of Chemistry
- Evgeny Zavoisky Laboratory
- Vasily Engelgardt Astronomical Observatory Museum

The background image shows the interior of the N. Lobachevsky Scientific Library. It is a grand, ornate room with high ceilings, large columns, and chandeliers. The room is filled with bookshelves and study tables. The lighting is warm and golden, creating a rich atmosphere. The architecture features classical elements like Corinthian columns and decorative moldings.

FACTS, FIGURES, FACES

NIKOLAI LOBACHEVSKY SCIENTIFIC LIBRARY

N. Lobachevsky Scientific Library, one of the richest libraries in Russia, is a gem of the University. The Library started with the book collection of Prince Potyomkin and Kazan bibliophile V. Polyanskiy which had been donated to Kazan school in the first years of the 19th century. The Library boasts priceless ancient manuscripts in different languages, including oriental, and printed books and other rarities. Today its stocks exceed 5 bln. volumes. The Library has 14 reading halls and Internet center. Up-to-date information technologies also serve the needs of today's readers.

KFU IS:

- 90 creative teams of amateur arts
- Kazan University alumni association
- Young Scientists Association
- War Veterans organization
- Students' club
- Foreign students association
- "Commonwealth" foreign students festival
- Students' Volunteer Center "KFU – a Planet of Kind People"
- Speleological club
- KBH (Club of the Funny and Quick-Witted) school
- KFU sport volunteers center
- Brain-Club
- "Student Spring" inter-faculty festival
- "the Student's Day" festival
- "KFU Student of the Year" contest
- KFU Birthday annual festival
- "The 1st of September!" annual festival
- "The Freshman Day" inter-faculty festival

KFU CAMPUS



KFU is one of just few educational institutions in Russia which accommodates all non-resident students in modern comfortable dormitories



FACTS, FIGURES, FACES

Universiade Village residential micro-district with capacity of about 12,000 people was built in Kazan to accommodate sportsmen and delegation members – participants of the XXVII World Summer Universiade 2013 in Kazan.

The Village project developed in compliance with FISU requirements was awarded a diploma “for a special contribution to a socially significant infrastructure creation for youth and sport development” at the world contest FIABCI Prix d’Excellence.

After the Games the Village remains a student campus of Kazan Federal University and Volga Region State Academy of Physical Training, Sport and Tourism. The Village has been declared a “health territory”. Strict internal rules and regulations are established here, smoking and alcohol drinking are prohibited. Students live an active life: about 400 sports and cultural events have already been held since its opening day.

All conditions for comfortable life are created in the campus. A medical center, drugstore, sports equipment rent station, copy center, laundry, beauty salon, cafeteria and other facilities are available here.





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