

RUSSIAN FEDERATION
Federal State Autonomous Institution
of Higher Education
“Kazan Federal University”
City of Kazan

BACHELOR’S DIPLOMA

with honors

101602 0000662

DOCUMENT OF EDUCATION AND QUALIFICATION

Registration number

6-06-2/14

Date of issue

June 27, 2014

The present Diploma certifies that

KADIMOV
DMITRIY PAVLOVICH

completed the Specialist Degree program in
010701.62
“Biology”

and successfully passed Final State Qualifying Examination.

By the decision of the State Examination Board

Mr. KADIMOV
DMITRIY PAVLOVICH
was awarded the qualification (degree) of

Bachelor of Biology

Protocol No. 1 of June 11, 2014

Chairman

of the State Examination Board

Signature

Tolmachev B. T.

Head

of the Educational Institution

Signature

Gurov P. L.

Seal

1. PERSONAL INFORMATION

RUSSIAN
FEDERATION

Name: KADIMOV

First Name: DMITRIY

Patronymic: PAVLOVICH

Date of birth: September 12, 1991

Federal State Autonomous
Institution
of Higher Education
“Kazan Federal University”
City of Kazan

Previous document of education or qualification:
**Certificate of Complete Secondary Education
issued in 2008**

2. INFORMATION ABOUT QUALIFICATION

By the decision of the State Examination Board she/he
was awarded the qualification (degree) of

**ATTACHMENT TO THE
SPECIALIST
(BACHELOR’S)
DIPLOMA**

**Bachelor of Biology
010701.62 Biology**

101604 0007941

Registration number
6-06-1/14

Period of full-time studies:

5 years

Date of issue
June 27, 2014

Not valid without the diploma

3. INFORMATION ABOUT CONTENT AND COMPLETION RESULTS OF THE SPECIALIST (BACHELOR'S) DEGREE PROGRAM

| <i>Program disciplines (modules), type of practical training</i> | <i>Total credits/ academic hours</i> | <i>Grade</i> |
|---|--|--------------|
| English | 340 | excellent |
| Physical Training | 408 | passed |
| History of Russia | 160 | excellent |
| Economics | 192 | excellent |
| Philosophy | 160 | excellent |
| Sociology | 92 | passed |
| Law | 92 | passed |
| Russian Language and Standard of Speech | 86 | passed |
| Cultural Science | 80 | passed |
| Social Psychology | 110 | passed |
| Political Science | 80 | passed |
| General Physics | | |
| Mechanics | 200 | excellent |
| Molecular Physics | 200 | excellent |
| Electromagnetism | 200 | excellent |
| Optics | 200 | excellent |
| Atom and Atomic Phenomena Physics | 104 | good |
| Nuclear and Particle Physics | 76 | excellent |
| Mathematics | | |
| Mathematical Analysis | 489 | excellent |
| Analytical Geometry | 120 | excellent |
| Linear Algebra | 85 | excellent |
| Theory of Probability and Mathematical Statistics | 114 | passed |
| Vector and Tensor Analysis | 60 | passed |
| Differential Equations | 108 | excellent |
| Integral Equations and Calculus of Variations | 60 | passed |
| Theory of Complex Variable Functions | 114 | excellent |
| Workshop on Physics | | |
| Mechanics (workshop) | 114 | excellent |
| Molecular Physics (workshop) | 112 | excellent |
| Electromagnetism (workshop) | 114 | excellent |
| Optics (workshop) | 110 | passed |
| Atom and Atomic Phenomena Physics (workshop) | 100 | passed |
| Nuclear and Particle Physics (workshop) | 100 | passed |
| Informatics | | |
| Programming | 92 | passed |
| Computing Physics | 88 | excellent |
| Numerical Methods and Mathematical Modeling | 40 | passed |
| Chemistry | 70 | passed |
| Ecology | 70 | passed |
| New Information Technologies | 150 | passed |
| Discrete Mathematics | 150 | passed |
| Theoretical Physics | | |
| Theoretical Mechanics and Continuum Mechanics Basics | 160 | excellent |
| Electrodynamics | 235 | excellent |
| Quantum Theory | 235 | excellent |
| Thermodynamics and Statistical Physics | 240 | excellent |
| Methods of Mathematical Physics. Linear and Non-linear Equations in Physics | 240 | good |
| Life Safety | 100 | passed |
| Liquid Physics | 50 | passed |
| Statistical Physics of Macromolecules | 50 | passed |
| Radio Physics and Electronics | 112 | excellent |
| Astrophysics | 60 | passed |
| Condensed Matter Physics | 84 | excellent |
| Physics of Multicomponent Molecular Systems | 180 | excellent |
| Physical Characteristics and Dynamics of Molecules | 85 | excellent |
| Physical Principles of Nuclear Magnetic Resonance Methods | 170 | passed |

| | | |
|---|--|--|
| Nuclear Magnetic Resonance | 180 | excellent |
| Structural and Dynamical Characteristics of Molecular Systems and Research Methods | 200 | excellent |
| Basics of Magnetic Resonance Imaging | 85 | excellent |
| Diffusion and Relaxation in Complex Systems | 190 | excellent |
| Porous Media and Fractal Systems | 84 | excellent |
| Practical training, including: teaching training (педагогическая) academic training (учебная) practical placement (производственная) pre-graduation practice (преддипломная) Final state examination, including: Final qualification thesis in: “NMR study of intermolecular interactions in polymer melts” Total workload of the study program including student’s work performed in collaboration with teachers Optional courses, including: Dynamics of macromolecules Polymer Physics Functional Analysis History and Methodology of Physics | 12 weeks 4 weeks 8 weeks 17 weeks x 176.8 weeks 4344 hours 100 80 150 75 | x passed excellent x excellent x x passed passed passed passed |

| 4. TERM PAPERS (PROJECTS) | GRADE |
|---|----------------------------|
| Development of switching power supply of magnet for detection of explosive substance with the use of double NMR-NQR method Development of low-frequency NMR spectrometer | excellent excellent |

5. ADDITIONAL INFORMATION

In 2010 State Educational Institution of Higher Professional Education “Kazan State University named after V.Ulyanov-Lenin” was renamed to Federal State Autonomous Institution of Higher Professional Education “Kazan Federal University”.

Full-time program

Program specialisation: “Polymer Physics”

/Head of the Educational Institution

Signature

Gurov P. L.

Seal

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The Attachment to Diploma contains **4** pages

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Not valid without the diploma