To the 65th anniversary of Professor of the Department of Microbiology of Kazan University O.N. Ilyinskaya

M. V. Trushin
Kazan Federal University, Kazan, Russia

Olga Nikolaevna Ilyinskaya, Head of the Department of Microbiology at the Institute of Fundamental Medicine and Biology of Kazan Federal University, was born on January 18, 1958 in Menzelinsk, Tatar ASSR.

On June 16, 1980, Olga Nikolaevna received the qualification of "Biologist-microbiologist". The thesis was titled "Comparative study of polyphosphates and polyphosphatase in a mucus mutant and mycelial strains of the fungus Neurospora crassa".

On August 1, 1980, O.N. Ilyinskaya assumed her duties in her first position at the university as a senior laboratory assistant at the Department of Genetics. In the first half of the 1980s, O. N. Ilyinskaya studied the plasmid regulation of caprolactam catabolism enzymes, and later studied the microbial destruction of synthetic cellulose esters, which formed the basis of her PhD thesis. In 1989, O. N. Ilyinskaya already worked as a senior researcher, and in 1990 she headed the group "Genetic Toxicology" (Feoktistova, 2009, p. 126). In the same year, she received the title of associate professor. In 1998, Olga Nikolaevna defended her doctoral dissertation on the biological effects of B. intermedius RNase. In 2004, O. N. Ilyinskaya was awarded an Honorary Diploma of the Ministry of Education and Science of the Russian Federation, and in 2007 she was elected a corresponding member of the Academy of Sciences of the Republic of Tatarstan. Currently, Olga Nikolaevna is an academician of the Academy of Sciences of the Republic of Tatarstan. In 2008 Olga Nikolaevna together with colleagues (Professors B. M. Kurinenko and M.R. Sharipova) became a laureate of the State Prize of the Republic of Tatarstan in the field of science and technology, awarded for the work "Hydrolases of microorganisms as potential therapeutic drugs".

International scientific conferences are regularly held on the basis of the Department of Microbiology. In April 2005, the XIII International Scientific Conference "Enzymes of microorganisms: structure, functions, application" was held. In June 2006, the VIII International Scientific and Practical Conference "Modern Perspectives in the study of chitin and chitosan" and the III Congress of the Russian Chitin Society were held. In February 2007, the First International Conference "Microbial Biotechnology – New approaches and solutions" was held. In June 2009 as part of the celebration of the 20th anniversary of the partnership between Kazan University and Y. Liebig University (Giessen, Germany), an international conference "Development of interdisciplinary research: promising directions and contribution of DAAD" was held, in the organization and work of which the staff of the Department of Microbiology took an active part. The XIV International Conference "Enzymes of microorganisms in Biotechnology and Medicine" was held as a section "Physico-chemical Biology". May 20-24, 2019 The Russian-German seminar "Interaction: from cell to human" was held, dedicated to the 30th anniversary of the cooperation of the universities. Justus Liebig (Giessen, Germany) and Kazan Federal University (Kazan, Russia). On December 20-21, 2021, an international anniversary conference dedicated to the 100th anniversary of the founding of the Department of Microbiology at Kazan University "Microbiology: yesterday, today, tomorrow" was held.

The joint work of Prof. O. N. Ilyinskaya with KFU physicists was noted as promising on the front page of the website "Science and Technology of Russia" (Informnauka) dated 22.11.2010. Participation in a scientific and practical experiment on the use of radiation technologies in agriculture, conducted as part of an interdisciplinary study of the KFU and the Federal Center for Toxicological and Radiation Safety of Animals, Kazan (the project was implemented by Associate Professor, PhD P. V. Zelenikhin in 2010). Participation in a scientific innovation project supervised by the state non-profit organization "Investment Venture Fund of the Republic of Tatarstan" and

the Russian Foundation for Assistance to the Development of Small Forms of Enterprises in the Scientific and Technical Field led to the emergence of the project "Dental massager – a new approach to the prevention of dental diseases", 2010 (scientific supervisor – Prof. O. N. Ilyinskaya). In 2016, the Department of Microbiology and the Laboratory of Cell Biology (Head – I. A. Rapoport), the Institute of Microbiology and Biotechnology of the University of Latvia (Riga, Latvia) signed an agreement on scientific cooperation in the field of research of physiology, biochemistry and genetics of microorganisms.

The main direction of scientific work at the Department of Microbiology at present is the enzymes of microorganisms in medicine and biotechnology, within the framework of which research is carried out on the following subtopics – "Antitumor and antiviral action of RNase (O. N. Ilyinskaya), "Proteinases as potential thrombolytics" (M.R. Sharipova), Enzymes of pathogens under stress (A. B. Margulis, part-time employee), "Optimization of prebiotics" (D. R. Yarullina), "Anti-oxidant, antimutagenic, antitumor and antimicrobial potential of secondary metabolites of endophytic microorganisms and plants" (N. S. Karamova).

The results of O.N. Ilyinskaya's scientific activity are reflected in her publication activity. Olga Nikolaevna's publication profile in the Scopus database (6602551396) is linked to more than 200 documents that have been cited more than 2500 times (in 1515 documents), the Hirsch index is 26. In 8% of published articles she was the first author, in 73% of documents she was the last author. Her articles have been published in various journals – Russian Journal of Bioorganic Chemistry, Journal of General and Applied Microbiology, International Journal of Molecular Sciences, Biodegradation, Microorganisms, Polymers, Notes of the Russian Mineralogical Society, BioNanoScience, Scientific Notes of Kazan University. Natural Science Series, Kazan Medical Journal, AIMS Microbiology, Biomolecules, Molecular Biology, Virus Research, International Journal of Pharmaceutical Research, South African Journal of Botany, Frontiers in Pharmacology, Molecular Genetics, Microbiologists and Virology, Scientific World Journal, Environmental Genetics, BioMed Research International, International Journal of Engineering and Technology (UAE), Microbiology Australia, Russian Journal of Biopharmaceuticals, Moscow University Biological Sciences Bulletin, Virology Journal, Frontiers in Microbiology, Microbiology, Russian Journal of Genetics: Applied Research, Mediators of Inflammation, International Journal of Pharmacy and Technology, EMBO Molecular Medicine, Biochimica et Biophysica Acta - Molecular Cell Research, Biologia (Poland), Bioinorganic Chemistry and Applications, Biomedical Chemistry, Biochemistry (Moscow), FEBS Open Bio, Bulletin of Experimental Biology and Medicine, Genes and Cells, Research Journal of Pharmaceutical, Biological and Chemical Sciences, Cell Cycle, Genome Announcements, Microbiological Research, PLoS ONE, Toxicon, Oncoscience, Thrombosis and Haemostasis, Acta Naturae, Ecotoxicology and Environmental Safety, Medical Hypotheses, Chemical Communications, Biochimie, Cellular Transplantation and Tissue Engineering, Langmuir, FEBS Journal, Reports of Biochemistry and Biophysics, Cytology, BioEssays, Biochemical and Biophysical Research Communications, Biophysics, Medical Science Monitor, FEBS Letters, Archives of Toxicology, Histochemistry and Cell Biology, Clinical Laboratory Diagnostics, Toxicology, Biopolymers and Cell, Mutation Research - Genetic Toxicology and Environmental Mutagenesis, Eurasian Soil Science, Mutagenesis, Scientific reports higher school. Biological sciences, Cytology and Genetics.

An even more extensive list is presented in the Electronic Scientific Library (Elibrary.ru) there are indexed more than 300 works by O.N. Ilyinskaya. It is interesting to note that the number of citations is also more than 2500 (as in the Scopus database). The weighted average impact factor of journals in which articles were published is 1.662, the weighted average impact factor of journals in which articles were cited is 3.071. As can be seen from the data presented above, O. N. Ilyinskaya is a world–class scientist.

Currently, O. N. Ilyinskaya teaches the following disciplines at the department – "Genetic toxicology and the basics of carcinogenesis", "Microbiology", "Microbiology and Virology".