

CV
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CURRENT POSITION

Samara National Research University
Professor

Samara
1991- Present

EDUCATION

Moscow State University
Center of biotechnology

Moscow
1988

Protein engineering and engineering enzymology

Moscow State University

Moscow
1990

PhD, Enzymology

Dissertation: Autophosphorylation of Lactate dehydrogenase

Moscow State University

D.Sc., Biochemistry

Dissertation: Unknown properties of NAD-dependent dehydrogenases

Moscow
2000

TEACHING EXPERIENCE

Kuibyshev agricultural academy

Kuibyshev
1984

Written and Oral Communication Advisor,

Lecturer - Organic chemistry, Biochemistry

Samara National Research University

Samara
1991- Present

Lecturer, head of research programs for PhD students,
mentoring for science programs for bachelors and masters,
«Biotechnology», «Fundamentals of Immunology»,
«Biochemistry of Tissues», «New methods of biochemistry»,
«Special chapters of physical and chemical sciences»,
«Engineering enzymology», «Biocatalysis», «Clinical Biochemistry»,
«Biochemistry and Molecular Biology»

Kathmandu university, Nepal

Kathmandu
1990

Guest Lecturer "NAD-dependent dehydrogenases"

GRANTS AND AWARDS

University Excellence in Teaching Award

2009, 2014

Samara National Research University

RESEARCH EXPERIENCE

Center of human reproduction, Samara

Production of megakaryocytes, its precursors and platelets from human cord blood CD34+ cells. 2015 - Present

**Samara National Research University,
Moscow state university, Institute of Biophysics, Pushino**

The influence of bioflavonoids on
Glyceraldehyde-3-Phosphate Dehydrogenase in human
blood erythrocytes. 2000 - Present

Samara National Research University

Ogarev Mordovia State University

Synthesis of a new class of modified ester of bacterial
cellulose as an active antibacterial wound dressing with prolonged action 2014 – Present

Samara National Research University

Cu/ Ag-nanoparticles antimicrobial system on the base of bacterial cellulose 2015 - Present

LEADERSHIP EXPERIENCE

Science coordinator for biotechnology cluster in Samara region

Member of group for strategic directions of development of
Samara National Research University

Head of 2 grants on biotechnology and bioengineering

PUBLICATIONS

Yazykova M.Yu. ,Vener A.V., Muronetz V.I., Nagradova N.K. Phosphorylation of lactate dehydrogenase by ATP Biochem. Intern. 1988, V.17, p.133-137

Yazykova M.Yu. , Gusev N.B., Muronetz V.I., Nagradova N.K. Interaction of lactate dehydrogenase with skeletal muscle troponin Biochem. Biophys. Acta. 1990, V.1036, p.85-89

Kots A.Ya., Grafov M.A., Khorov Yu.V., Betin V.L., Belushkina N.N., Ovchinnikov I.V., Kulikov A.S., Makhova N.N., Medvedeva N.A., Bulargina T.V., Severina I.S., Yazykova M.Yu. Vasorelaxant and antiplatelet activity of 4,7-dimethyl-1,2,5-oxadiazolo[3,4-d]pyridazine-1,5,6-trioxide: roles of soluble guanylate cyclase, nitric oxide and thiols Pharmacology, 2000, V.129,p.1163-1170

Yazykova M.Yu. The influence of Furoxan derivatives on human erythrocyte metabolism 15 FAOBMB Symposium "Perspectives of Biochemistry and Molecular Biology in The 21 Century", Beijin, October 2000, p. 30 – 31

Viktor V. Revin, Svetlana M. Filatova, Yazykova M.Yu., Ilya V. Syusin, , Elvira S. Revina, Natalia V. Gromova & Arkadiy A. Devyatkin Study of correlation between state and composition of lipid phase and change in erythrocytes structure under induction of oxidative processes International Journal of Hematology ISSN 0925-5710 2015 P1758-1769

Andrey Nikolaevich Agafonov¹, Marina Yurievna Yazykova², Arina Ilinichna Sizova² Bioimaging of modified bacterial nanocellulose using optical and electron microscopy **Journal of Biotechnology Volume 256, Supplement, 30 August 2017, Page S92**

Marina Yurievna Yazykova, Dmitry Klyuchnikov Large scale megakaryocytic precursor production using MSC conditioned medium **Journal of Biotechnology V 256, Supplement, 30 August 2017, Page S116**

YAZYKOVA, M.Y., POTAPOVA, I.A., SIZOVA, A.I., POROCHKINA, M.A., GORLOVA, A. (2018). Global Antibiotics Supply Chains in Drug-Resistant Bugs Spread. Proceedings of the 32nd International Business Information Management Association Conference - Vision 2020: Sustainable Economic Development and Application of Innovation Management from Regional expansion to Global Growth, 15-16 November 2018, Seville, Spain. pp. 7255-7259.

Marina Yurievna Yazykova¹, Andrey Nikolaevich Agafonov, Maria Alexandrovna Porochkina Preparation of silver modified bacterial cellulose with antibacterial properties **Journal of Biotechnology V 280, Supplement, 30 August 2018, Page S27**

Yazykova, M.Y., Agafonov, A.N., Simonova, A.Y., Porochkina, M.A., Filipova, A.Y. Ag-nanofilm antimicrobial system on the base of bacterial cellulose
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