

Contents

Vol. 64, No. 10, 1999

Simultaneous English language translation of the journal is available from MAIK "Hayka/Interperiodica" (Russia).
Distributed worldwide by Kluwer Academic/Plenum Publishers. Biochemistry (Moscow) ISSN 0006-2979.

Accelerated Publication	Engl./Russ.
Fluorescence of Tryptophan Residues in Firefly Luciferases and Enzyme-Substrate Complexes <i>E. A. Chudinova, E. I. Dementieva, L. Yu. Brovko, A. P. Savitskii, and N. N. Ugarova</i>	1097 1301
Kinetics of Interaction of Trypsin with an Anionic Inhibitor of Trypsin BWI-1a from Buckwheat Seeds <i>I. P. Gladysheva, D. P. Gladyshev, Y. E. Dunaevsky, M. A. Belozersky, and N. I. Larionova</i>	1104 1309
A New Protein of Human Atrium <i>M. A. Kovalyova, L. I. Kovalyov, S. S. Shishkin, T. A. Egorov, and A. K. Musalyamov</i>	1108 1314
Oxidative Stress Resistance of <i>Escherichia coli</i> Strains Deficient in Glutathione Biosynthesis <i>G. V. Smirnova, N. G. Muzyka, M. N. Glukhovchenko, T. A. Krasnykh, and O. N. Oktyabrsky</i>	1111 1318
Photosensitization of Singlet Oxygen Formation by Pterins and Flavins. Time-Resolved Studies of Oxygen Phosphorescence under Laser Excitation <i>S. Yu. Egorov, A. A. Krasnovsky, Jr., M. Ye. Bashtanov, E. A. Mironov, T. A. Ludnikova, and M. S. Kritsky</i>	1117 1325
Two Types of Entomocidal Crystals of <i>Bacillus thuringiensis ssp. finitimus</i> Have the Same Set of Unique Delta-Endotoxins <i>L. P. Revina, I. A. Zalunin, I. V. Krieger, N. M. Tulina, Ya. A. Wojciechowska, E. I. Levitin, G. G. Chestukhina, and V. M. Stepanov</i>	1122 1331
Kinetic Mechanism of F_0F_1 Mitochondrial ATPase: Mg^{2+} Requirement for Mg-ATP Hydrolysis <i>A. V. Syroeshkin, M. A. Galkin, A. V. Sedlov, and A. D. Vinogradov</i>	1128 1337
Triple-Site Antigen Capture ELISA for Human Myoglobin Can Be More Effective Than Double-Site Assay <i>V. A. Nikulina, E. A. Kizim, Yu. S. Massino, O. L. Segal, M. B. Smirnova, V. V. Ailov, D. B. Saprygin, S. P. Smotrov, G. I. Kolyaskina, and A. D. Dmitriev</i>	1138 1348

Autotrophic Assimilation of CO ₂ and C ₁ -Compounds by Pathogenic Bacteria <i>L. S. Buzolyova and G. P. Somov</i>	1146	1357
Reactions of Blue and Yellow Fungal Laccases with Lignin Model Compounds <i>A. A. Leontievsky, N. M. Myasoedova, B. P. Baskunov, N. N. Pozdnyakova, T. Vares, N. Kalkkinen, A. I. Hatakka, and L. A. Golovleva</i>	1150	1362
Properties of Extracellular Polysaccharides of Potato Ring Rot Pathogen and Corresponding Recognition Sites of Potato Cell Walls <i>A. S. Romanenko, E. V. Rymareva, V. N. Kopytchuk, E. G. Ekimova, and A. M. Sobenin</i>	1157	1370
Membrane Proteins of <i>Aedes aegypti</i> Larvae Bind Toxins Cry4B and Cry11A of <i>Bacillus thuringiensis</i> ssp. <i>israelensis</i> <i>I. V. Krieger, L. P. Revina, L. I. Kostina, A. A. Buzdin, I. A. Zalunin, G. G. Chestukhina, and V. M. Stepanov</i>	1163	1377
Formation of Tightly Bound Forms of Annexins V and VI in Rabbit Skeletal Muscle Membranes Isolated in the Presence of Barium Ions <i>K. S. Krasavchenko, E. I. Akimova, and V. I. Melgunov</i>	1169	1385
Kinetic Mechanism of ATP Synthesis Catalyzed by Mitochondrial F ₀ -F ₁ -ATPase <i>M. A. Galkin and A. V. Syroeshkin</i>	1176	1393
Activity of Penicillin Acylase from <i>E. coli</i> in the Reversed-Micelle System AOT–H ₂ O–Octane <i>T. A. Shamolina, V. A. Drachev, and V. K. Švedas</i>	1186	1404
Stability and Catalytic Properties of Penicillin Acylase in Systems with Low Water Content <i>M. I. Youshko, A. V. Sinev, and V. K. Švedas</i>	1196	1415
Intramolecular Synergism of the Inhibiting Action of Polydisulfide Antioxidants in the System Ferritin–H ₂ O ₂ –Tetramethylbenzidine <i>D. I. Metelitz, G. S. Arapova, A. N. Eryomin, and Yu. P. Losev</i>	1200	1420
Short Communication		
Formation of the M _N (M _{open}) Intermediate in the Wild-Type Bacteriorhodopsin Photocycle Is Accompanied by an Absorption Spectrum Shift to Shorter Wavelength, Like That in the Mutant D96N Bacteriorhodopsin Photocycle <i>A. N. Radionov, V. A. Klyachko, and A. D. Kaulen</i>	1210	1432
Book Review		
Techniques in Glycobiology <i>G. Ya. Wiederschain</i>	1215	1437
Information for Authors	1217	1439