

Contents

Vol. 64, No. 2, 1999

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

Engl./Russ.

Reviews

Involvement of Proteases in Apoptosis

M. P. Kutsyi, E. A. Kuznetsova, and A. I. Gaziev 115 149

Efflux of Cyclic Adenosine Monophosphate from Cells: Mechanisms and Physiological Implications

S. N. Orlov and N. V. Maksimova 127 164

Catalytic Properties of Mitochondrial NADH-Ubiquinone Reductase (Complex I)

*A. D. Vinogradov, E. V. Gavrikova, V. G. Grivennikova,
T. V. Zharova, and N. V. Zakharova* 136 174

Accelerated Publication

Interaction of Peroxynitrite and Hydrogen Peroxide with Dinitrosyl Iron Complexes Containing Thiol Ligands *in vitro*

I. I. Lobysheva, V. A. Serezhenkov, and A. F. Vanin 153 194

Kinetics of the Interaction of Rabbit Skeletal Muscle Phosphorylase Kinase with Glycogen

*I. E. Andreeva, V. F. Makeeva, B. I. Kurganov,
N. A. Chebotareva, and N. B. Livanova* 159 201

Stabilization of the Enzyme-Substrate Complex of the Mutant Asp-67Asn Inorganic Pyrophosphatase from *Escherichia coli* by Fluoride Ions

*S. M. Awaeva, T. I. Velichko, N. N. Vorobyeva,
S. A. Kurilova, T. I. Nazarova, and V. A. Sklyankina* 169 212

Steady-State Kinetics of Combined Oxidation of Hydroquinone and *o*-Dianisidine by Hydrogen Peroxide in the Presence of Horseradish Peroxidase

V. V. Rogozhin and V. V. Verkhoturov 175 219

Mössbauer Spectroscopic Study of Functional Thermal Destruction of Iron-Sulfur Proteins in Membranes of Thermophilic Cyanobacteria *Synechococcus elongatus*

Yu. N. Kaurov, *A. A. Novakova, L. N. Davletshina, A. Yu. Aleksandrov,
E. A. Khval'kovskaya, B. K. Semin, N. P. Belevich, I. I. Ivanov, and A. B. Rubin* 181 225

Site-Specific Endonuclease <i>Nsp</i> LKI Is an Isoschizomer of Endonuclease <i>Hae</i> III <i>E. V. Zabaznaya, L. A. Zheleznaya, I. V. Svad'bina, and N. I. Matvienko</i>	189	234
Arachidonic Acid Regulation of Prostanoid Synthesis in Macrophages <i>M. V. Gonchar, M. G. Sergeeva, A. T. Mevkh, and S. D. Varfolomeyev</i>	194	239
DNA-Protein Cross-Links in Different Organs of Mice Induced by the Combined Action of Zinc and γ -Irradiation <i>A. N. Osipov, V. D. Sypin, and G. Ya. Kolomijtseva</i>	201	247
DNA-Protein Cross-Links in Cells of Internal Organs of Rats after Fractional Irradiation at Various Doses <i>M. V. Grigoryev, G. Ya. Kolomijtseva, and P. V. Puchkov</i>	204	251
DNA-Protein Interactions between Mammalian Nuclear Proteins and a GCC-Element Included in a Composite <i>cis</i> -Acting Element of Mouse Ribosomal Protein L32 Promoter <i>S. V. Orlov, K. B. Kuteikin, E. B. Dizhe, V. Yu. Kuryshev, V. M. Shpakovich, and A. P. Perevozchikov</i>	207	255
Effect of 2,2'-Dipyridyl on Accumulation of Protoporphyrin IX and Its Derivatives in Yeast Mitochondria and Plasma Membranes <i>M. G. Strakhovskaya, E. V. Ivanova, O. A. Kolesnikova, and G. Ya. Fraikin</i>	213	262
Isolation, Purification, and Properties of Aminopeptidase H from Skeletal Muscle of the Lizard <i>Agama stellio stellio</i> <i>S. Al-Jassabi</i>	217	267
Effect of Lignin on Growth and Tyrosinase Activity of Fungi from the Genus <i>Aspergillus</i> <i>G. S. Gukasyan</i>	223	274
Biochemistry News		
Non-classical Protein Ser/Thr Phosphatases: What Are They for? <i>A. V. Andreeva and M. A. Kutuzov</i>	228	279
Information for Authors	235	288
