

Contents

Vol. 64, No. 6, 1999

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

Engl./Russ.

Reviews

Adipose Tissue as an Endocrine Organ Regulating Growth, Puberty,
and Other Physiological Functions

Yu. A. Pankov

601 725

Accelerated Publication

Lag Phase of CO₂-Dependent O₂ Evolution by Illuminated *Anabaena variabilis* Cells

V. D. Samuilov and T. A. Fedorenko

610 735

Gadolinium Chloride-Induced Kupffer Cell Blockade Increases Uptake
of Oxidized Low-Density Lipoproteins by Rat Heart and Aorta

I. F. Usynin, A. V. Khar'kovsky, N. I. Balitskaya, and L. E. Panin

620 746

Purification and Characterization of Maleylacetate Reductase from *Nocardioides*
simplex 3E Utilizing Phenoxyacetic Herbicides 2,4-D and 2,4,5-T

V. M. Travkin, E. V. Linko, and L. A. Golovleva

625 751

Mechanisms of Interaction of a Plasmalogenic Analog of Platelet-Activating Factor
with Human Platelets

V. I. Kulikov and G. I. Muzya

631 758

Algorithmic Rules for Determination of Subgraph Contributions Considering
the Application of Bigraphs in the Kinetics of Biological Processes

Sh. K. Bayramov

636 764

Single-Step Sandwich Immunoassay of Myoglobin with Bifunctional Monoclonal Antibodies

*M. B. Smirnova, V. A. Nikulina, O. L. Segal, E. A. Kizim, Y. S. Massino,
N. N. Ryazanskaya, G. I. Kolyaskina, and A. D. Dmitriev*

639 767

Purine Biosynthesis *de novo* in Bovine Retina: Purification and Characterization
of Amidophosphoribosyl Transferase and Phosphoribosyl Pyrophosphate Synthetase

I. A. Kian and R. N. Etingof

648 777

Metabolic Features of the Adaptive Effect of Delta-Sleep Inducing Peptide
and Piracetam under Hyperoxic Conditions

A. V. Lysenko, D. V. Alperovich, N. I. Uskova, and A. M. Mendzheritsky

652 782

Modulation of Mast Cell Activity by a Peptide Agonist of the Thrombin Receptor: Role of Nitric Oxide <i>S. M. Strukova, I. V. Chistov, B. A. Umarova, T. N. Dugina, T. P. Storozhevykh, V. G. Pinelis, and E. Glusa</i>	658	790
Using Hydrated Reversed Micelles to Evaluate the Dimensions of Polymer-Protein Adducts <i>E. M. Sorokina, E. V. Zhavoronkova, N. V. Efremova, I. N. Topchieva, and B. I. Kurganov</i>	665	799
Anionic Carbohydrate-Containing Polymers of Cell Walls in Two Streptovorticille Genospecies <i>Yu. I. Kozlova, G. M. Streshinskaya, A. S. Shashkov, L. I. Evtushenko, and I. B. Naumova</i>	671	805
A Sequence of the U5 Region of <i>Drosophila</i> 1731 Retrotransposon Long Terminal Repeat (LTR) <i>Trans</i> -represses the LTR-directed Transcription <i>E. Faure</i>	678	813
Histones Evoke Thymocyte Death <i>in vitro</i> ; Histone-Binding Immunoglobulins Decrease Their Cytotoxicity <i>D. N. Abakushin, I. A. Zamulaeva, and A. M. Poverenny</i>	693	830
Regulation of δ -Aminolevulinatase Synthase Activity during the Development of Oxidative Stress <i>P. A. Kaliman and T. V. Barannik</i>	699	836
Characteristics of the Interaction of Melittin with Sarcoplasmic Reticulum Membranes <i>E. A. Shorina, N. V. Mast, K. B. Storey, O. D. Lopina, and A. M. Rubtsov</i>	705	843
Adenosine Transport in Liver Before and After Organ Preservation <i>V. Yu. Toshchakov, L. V. Bashkina, G. A. Vityazev, and V. I. Shumakov</i>	714	853
Cellulase and Xylanase Activities in Higher Basidiomycetes <i>V. I. Elisashvili, T. Sh. Khardziani, N. D. Tsiklauri, and E. T. Kachlishvili</i>	718	858
Book Review		
New Biochemical and Therapeutic Effects of Polyunsaturated Fatty Acids <i>V. P. Skulachev</i>	723	864