

Contents

Vol. 54, No. 2, 2018

Simultaneous English language translation of the journal is available from Pleiades Publishing, Ltd.
Distributed worldwide by Springer. *Journal of Evolutionary Biochemistry and Physiology*
ISSN 0022-0930.

Comparative and Ontogenetic Biochemistry

The Effect of Hypothermia on Phospholipid and Fatty Acid Composition of Synaptic Membranes in the Rat Brain

A. M. Kalandarov, Z. Radzhabova, S. A. Zabelinskii, B. A. Feizulaev,
N. K. Klichkhanov, M. A. Chebotareva, and A. M. Krivchenko

91

Physiological Functions and Metabolism of Endogenous Ethanol and Acetaldehyde in the Reindeer

O. N. Kolosova and B. M. Kershengolts

103

Phospholipid and Fatty Acid Composition of Phosphatidylcholine and Phosphatidylethanolamine in the Black Plaice *Pleuronectes obscura* during Thermoadaptation

E. Ya. Kostetsky, P. A. Velanskii, and N. M. Sanina

109

Alpha-Fetoprotein in Retina and Lens of the Human Eye at Early Stages of Prenatal Development

I. G. Panova, Yu. V. Bezzubenko, A. S. Tatikolov, R. A. Poltavtseva,
T. Yu. Ivanets, and G. T. Sukhikh

119

Comparative and Ontogenetic Physiology

Gender-Specific Features of Behavior and Lipid Spectrum in Rats at a Remote Period after Exposure to Vibrational Noise

T. V. Avaliani, N. N. Klyueva, N. K. Apraksina, and S. G. Tsikunov

123

Antioxidant Status in Adolescents of Small Siberian Ethnoses

L. I. Kolesnikova, M. A. Darenskaya, L. V. Rychkova, L. A. Grebenkina,
N. V. Semenova, and O. A. Gavrilova

130

Involvement of Mechanosensory Complex Structures of the Cricket *Gryllus bimaculatus* Larvae (Orthoptera, Gryllidae) in Triggering of Motor Responses to Sound

A. M. Lunichkin and A. N. Knyazev

137

Short Communications

Probability of Underwater Target Detection in the Bottlenose Dolphin *Tursiops truncatus*
Depending on Target Spatial Coordinates

K. A. Zaitseva, V. I. Korolev, A. I. Krivchenko, A. V. Akhi, and E. Yu. Butyrskii

149

Effect of Electrical Stimulation of the Optic Nerve on Electroretinogram in the Pond Snail
Lymnaea stagnalis

A. D. Fedorenko and V. V. Zhukov

153
