

L.I. Medved's Research Center of Preventive Toxicology, Food and Chemical Safety, Ministry of Health, Ukraine (State Enterprise)

# 1(52)2020

Founded in 1932

Editorial address: L.I. Medved's Research Center of Preventive Toxicology, Food and Chemical Safety, Ministry of Health, Ukraine (State Enterprise) 6th Heroiv Oborony st., Kyiv, Ukraine, 03127 Tel.: +38(044) 258-33-69 Tel./Fax: +38(044) 258-96-43 E-mail: olena.golohova.medved@gmail.com

Approved for publication by the Scientific council of L.I. Medved's Research Center of Preventive Toxicology, Food and Chemical Safety, Ministry of Health, Ukraine (State Enterprise) (prot. №1, 19.03.2020)

Journal "One Health and Nutrition Problems of Ukraine" Certificate About State Registration: KB Series 23659-13499 ΠP dated December 12, 2018.

Included in the list of scientific professional editions of the Ministry of Education and Science of Ukraine (Order of the Ministry of Education and Science of Ukraine No. 1301 dated October 15, 2019)

Address of Publishing House "Medicine of Ukraine": 34th Popudrenko st., Kyiv, Ukraine Tel./Fax +38(044) 485-27-74 Design and Computer Prototyping of Printed Edition: O. Olekh

> Signet for print 02.05.2019 Format 60x84/8. Chalk paper. Edition 1000.



## ONE HEALTH AND NUTRITION PROBLEMS OF UKRAINE

### **Editorial Board**

#### M.G. Prodanchuk

Doctor, MD, Professor, Corr. member of the National Academy of Medical Sciences of Ukraine, L.I. Medved's Research Center of Preventive Toxicology, Food and Chemical Safety, Ministry of Health, Ukraine (State Enterprise), Kyiv, Ukraine, Chief editor

#### L.I. Vlasyk

Doctor, MD, Professor, L.I. Medved's Research Center of Preventive Toxicology, Food and Chemical Safety, Ministry of Health, Ukraine (State Enterprise), Chernivtsi, Ukraine, Scientific Editor

#### G.I. Petrashenko

Ph.D. of Med. Sciences, Senior Researcher, L.I. Medved's Research Center of Preventive Toxicology, Food and Chemical Safety, Ministry of Health, Ukraine (State Enterprise), Kyiv, Ukraine, Assistant Editor

#### A.P. Herilovych

Doctor, MD, Professor, Corr. member of the National Academy of Agrarian Sciences of Ukraine, National scientific Center «Institute of Experimental and Clinical Veterinary Medicine», Kharkiv, Ukraine

#### T.S. Hruzeva

Doctor, MD, Professor, Bogomolets National Medical University, Kyiv, Ukraine

#### T.I. Kmet

Doctor, MD, Higher State Educational Establishment of Ukraine «Bukovinian State Medical University», Chernivtsi, Ukraine

#### V.M. Kovalenko

Doctor, MD, Professor, Institute of Pharmacology and Toxicology of National Medical Academy of Science of Ukraine, Kyiv, Ukraine

#### S.T. Omelchuk

Doctor, MD, Professor, Bogomolets National Medical University, Kyiv, Ukraine

#### V.H. Radchenko

Doctor, MD, Professor, Institute for Evolutionary Ecology NAS Ukraine, Kyiv, Ukraine

#### V.A. Smiianov

Doctor, MD, Professor, Sumy State University, Sumy, Ukraine

#### **Daniel Hryhorczuk,**

Doctor, MD, Director of Environmental Health, University of Illinois, Chicago, USA

#### Boris D. Lushniak,

Professor & Dean University of Maryland School of Public Health, USA

#### Timothy B. Erickson,

Doctor, MD, Chief Toxicology, Brigham Health, Harvard Humanitarian Initiative, USA