

NATIONAL ACADEMY OF SCIENCE OF UKRAINE,
ZABOLOTNY INSTITUTE OF MICROBIOLOGY
AND VIROLOGY OF THE NAS OF UKRAINE
NATIONAL UNIVERSITY OF LIFE
AND ENVIRONMENTAL SCIENCES OF UKRAINE

MICROBIOLOGICAL JOURNAL

PUBLISHED 6 TIMES PER YEAR
ACADEMIC JOURNAL
FOUNDED IN 1934
KYIV

3²⁰²²
Vol. 84

CONTENTS

Experimental Works

GUDZENKO O.V., IVANYTSIA V.O., VARBANETS L.D. Bacteria of the Black Sea are Producers of Proteolytic Enzymes	3
PASICHNYK L.A., BUTSENKO L.M. Modernization of the <i>Pseudomonas syringae</i> Pathovars Serogrouping Scheme	9
KISTEN O.G., HETMAN K.I., KOVAL E.V., HRETSKYI I.O., ZYRYANOVA L.F., TYSHCHENKO L.M., FEDOSOVA N.I., CHEREMSHENKO N.L., CHUMAK A.V. Features of the Synthesis of Extracellular Cytotoxic Lectin <i>Bacillus subtilis</i> IMV B-7724, Depending on the Cultivation Conditions in the Laboratory Fermenter	17
BULYHINA T.V., VARBANEST L.D. Characterization of <i>Azospirillum brasilense</i> Lipopolysaccharides	29
HRYNCHUK N.I., ZELENA L.B., BUKHTIAROVA T.A., VRYNCHANU N.O., ISHCHEKHO L.M., VAZH-NICHAYA E.M. Antibiofilm Activity of 4-(Adamantyl-1)-1-(1-Aminobutyl) Benzol Against Methicillin-Resistant <i>Staphylococcus aureus</i>	39
FADIEIENKO G.D., KUSHNIR I.E., CHERNOVA V.M., SOLOMENTSEVA T.A., NIKIFOROVA Ya.V, KURINNA O.H., GALCHYNSKA V.Yu., BONDAR T.N. Dependence of Intestinal Microbiota Composition on Distribution and Activity of Adipose Tissue in Nonalcoholic Fatty Liver Disease	51

POLISHCHUK L.V., BAMBURA O.I. Resistance to Tetracycline and Oleandomycin of a Number of Streptomycetes — Producers of Polyketide Antibiotics	60
RYBALCHENKO N.P., NAUMENKO K.S., ARTIUKH L.O., BILIAVSKA L.O., DEMCHENKO V.L., MASIUCHOK O.P., OVSYANKINA V.O., RYBALCHENKO T.V., YURZHENKO V.V. Antimicrobial and Antiviral Activity of Silver-Containing Nanocomposites Formed by 3D Printing Technology	69
KYRYCHENKO A.M., HRYNCHUK K.V., ANTIPOV I.O., KONUP A.I. A Survey of Grapevine Leafroll-Associated Virus 1 and 3 in the South of Ukraine and Development of Primers for GLRaV-3 Identification	82

Surveys of Literature

TSEKHMISTER H.V., KYSLYNSKA A.S. <i>Plectosphaerella melonis</i> (Syn. <i>Acremonium cucurbitacearum</i>) — Plant Pathogenic Organism	92
----------------------------------------------------------------------------------------------------------------------------------------------	----

The State Registration Certificate: KB No 24174-14014IIP of 22.10.2019

The journal is indexed in Scopus, EBSCO, CrossRef, Google Scholar, Ulrich's Periodicals Directory, URZ Dzherelo and Scientific Periodicals of Ukraine of the Vernadsky National Library

Editorial office address:

D.K. Zabolotny Institute of Microbiology and Virology of the NAS of Ukraine,
154 Acad. Zabolotny Str., Kyiv, 03143, Ukraine
Tel.: +380 (44) 526 11 79
E-mail: microbiol.j@gmail.com
Web: <http://www.microbiolj.org.ua>

Secretaries *F.V. Muchnyk, K.S. Tsyhanenko*

Editor *I.P. Tokovenko*

Layout *N.O. Kucherenko*

Passed for printing on 06.12.2022. Format 84 × 108/16. Typeface. Minion Pro
Conventional printed sheets 10,50. Physical printed sheets 11,04. Circulation 130 copies. Order no. 6781

Publisher and manufacturer PH «Akademperiodyka» of the NAS of Ukraine
4 Tereshchenkivska st., Kyiv, 01024

Certificate of entry to the State Register of Publishing Agents
series ДК no 544 of 27.07.2001