



Academy of Sciences of Moldova
Institute of Microbiology and Biotechnology
Society for Microbiology of Moldova



SCIENTIFIC INTERNATIONAL CONFERENCE ON MICROBIAL BIOTECHNOLOGY

(2nd edition)

PROGRAMME



Chișinău, Moldova, October 9-10 2014



Academy of Sciences of Moldova
Institute of Microbiology and Biotechnology
Society for Microbiology of Moldova



2nd International Conference on *Microbial Biotechnology*

Programme

**October 9-10, 2014
Chisinau, MOLDOVA**



Chisinau, 2014

ORGANIZING COMMITTEES:

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TIMETABLE OF THE CONFERENCE

Hotel "Vila Verde", str. Grenoble 110, mun.Chisinau, Republica Moldova

9 OCTOBER, THURSDAY	
8.00 – 9.00	Registration
9.00 – 9.30	Opening (Hall B)
9.30 – 11.00	Plenary session (Hall B)
11.00 – 11.30	Coffee break
11.30 – 13.00	Plenary session (Hall B)
13.00 – 14.30	Conference photo and welcome reception (Hotel restaurant)
14.30 – 16.30	Thematic session "Microbiological techniques / biotechnologies for environment" (Hall B)
17.00 – 20.00	Cultural program and diner (Cricova winery)
10 OCTOBER, FRIDAY	
9.00 – 11.00	Thematic session "Microbiological techniques/biotechnologies for agriculture" (Hall B)
	Thematic session "Microbiological techniques / biotechnologies for medicine" (Hall C)
	Thematic session "International Cooperation in the field of Microbiology and Biotechnology" (Hall D)
10.30 – 11.00	coffee break
11.00 – 12.30	Thematic session "Microbiological techniques/biotechnologies for agriculture" (Hall B)
	Thematic session "Microbiological techniques / biotechnologies for medicine" (Hall C)
12.30 – 13.30	Lunch break
13.30 – 15.00	Thematic session "Microbiological techniques / biotechnologies for agriculture" (Hall B)
15.00 – 16.00	Poster session (Hall B)
16.00 – 16.30	Closing remarks, suggestions

<p>9 OCTOBER, THURSDAY</p> <p><i>Venue: Hotel “Vila Verde” str. Grenoble 110, mun.Chisinau, Republica Moldova</i></p>	
8.00 –9.00	<u>Registration</u>
9.00 –9.30 Hall B	<p><u>Opening</u></p> <p>The session will be dedicated to the opening ceremony, welcome speeches and welcoming words from invited and participating institutions.</p> <p>Honoric president: acad. GHEORGHE DUCA, President of Academy of Sciences of Moldova</p> <p>Executive President of the Conference: acad. VALERIU RUDIC, Director of Institute of Microbiology and Biotechnology, President of Society for Microbiology of Moldova</p>
9.30 –11.00 Hall B	<p><u>Plenary session</u></p> <p>IMPORTANT DATES IN HISTORY OF MICROBIOLOGY IN MOLDOVA. VALERIU RUDIC, Institute of Microbiology and Biotechnology , Academy of Sciences of Moldova</p> <p>INDICATORS OF SOIL QUALITY TO ASSESS IMPACT OF CLIMATE AND/OR LAND USE CHANGES. STEFANO GREGO, Universita degli studi delle Tuscia, Italia</p> <p>ICT APPROACHES IN BIOTECH. LIVIU GACEU, Transylvania University Brasov, Romania</p> <p>BIOMEDICAL POTENTIAL OF MUSHROOMS. MARK SHAMTSYAN, State Technological University, St. Petersburg, Russian Federation</p> <p>ANTIOXIDANT ACTIVITY IN HAEMATOCOCCUS PLUVIALIS CELLS DURING THE VITAL CYCLE. LILIANA CEPOI, Institute of Microbiology and Biotechnology , Academy of Sciences of Moldova</p> <p>EXTRACELLULAR PHYTASE OF BACILLUS SPECIES AS A FACTOR AFFECTING SEEDS GERMINATION. LEONIDA SAPUNOVA, Institute of Microbiology, National Academy of Sciences, Minsk, Belarus</p>

11.00 –11.30	<i>Coffee break</i>
11.30 –13.00 Hall B	<p><u>Plenary session</u></p> <p>SOIL MICROORGANISMS AS INDICATORS OF CHANGES IN THE QUALITY OF ARABLE SOILS. SERGIU CORCIMARU, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>BIOPREPARATION FOR COW SUBCLINICAL MASTITIS PREVENTION AND THERAPY. NATALYA GOLOVNYOVA, Grodno State Agrarian University, Belarus</p> <p>TECHNOLOGICAL ASPECTS OF PHYSIOLOGICALLY ACTIVE B-GLUCANS AND MANNOPROTEINS OBTAINING FROM YEASTS. AGAFIA USATÎI , Institute of Microbiology and Biotechnology , Academy of Sciences of Moldova</p> <p>GMO INVOLVEMENT IN SOLVING PROBLEMS OF PLANT PROTECTION. LEONID VOLOSCIUC, Institute of Genetics, Physiology and Protection of Plants, Academy of Sciences of Moldova</p> <p>DIRECTED SYNTHESIS AT MYCELIAL FUNGI PRODUCERS OF HIDROLAZES. ALEXANDRA DESEATNIC-CILOCI, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>MICROBIOLOGY AND BIOTECHNOLOGY IN H2020. IULIA IATCO, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p>
13.00 –14.30	<i>Lunch break: conference photo and welcome reception</i>
14.30 –16.30 Hall B	<p><u>Thematic session</u></p> <p><u>Microbiological techniques/biotechnologies for environment</u></p> <p>GREEN SYNTHESIS AND CHARACTERIZATION OF TITANIUM AND SELENIUM NANOPARTICLES. <u>Zinicovscaia-Inga</u>, Cepoi Liliana, Valuta Ana, Rudi Ludmila, Frontasyeva Marina, <u>Culicov Otilia Ana</u>, Joint Institute for Nuclear Research, Dubna</p>

PROSPECT OF THE METHOD AN X-RAY FLUORESCENCE ANALYSIS IN THE FOOD-PROCESSING INDUSTRY AS A QUALITY MONITORING OF BIO-ELEMENTS. T. Krupskaya, L. Loseva, L. Cepoi, V. Rudic, S. Anufrik, G. Ermolenko, “Yanka Kupala” State University of Grodno, Republic of Belarus

STUDY OF REDOX POTENTIAL IN OAK BUDS AND LEAVES. Agapi Ion, Institute of Ecology and Geography, Academy of Sciences of Moldova

IMPACT OF IRON(III) SCHIFF BASE COMPLEXES ON PHYCOBILIPROTEIN ACCUMULATION IN CYANOBACTERIUM NOSTOC LINCKIA. Valuta Ana, Cepoi Liliana, Rudi Ludmila, Bulhac Ion, Bourosh Paulina, Bologna Olga, Institute of Microbiology and Biotechnology, Institute of Chemistry, Institute of Applied Physics, Academy of Sciences of Moldova

THE PRODUCTIVITY DYNAMICS OF MICROALGAE DUNALIELA SALLINA AT MODIFICATION OF SOME CONDITIONS AND PARAMETERS OF CULTIVATION. Zosim Liliana, Bivol Cezara, Batir Ludmila, Elenciuc Daniela, Djur Svetlana, Olan Olga, Moldova State University

BIOPREMIATION TECHNOLOGIES FOR LONG-TERM PESTICIDES CONTAMINATED SOIL. Rastimesina Inna, Cincilei Angela, Tolocichina Svetlana, Postolachi Olga, Streapan Nina, Mamaliga Vera, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova

TOXICITY ASSESSMENT OF XENOBIOTIC COMPOUNDS BY THE TBARS ASSAY IN SOME STRAINS OF BIOTECHNOLOGICAL INTEREST. Rudi L., Miscu V., Cepoi L., Chiriac T., Djur S., Chelmenciuc V., Rudic V., Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova

THE ROLE OF AQUATIC ORGANISMS IN PHOSPHORUS CIRCUIT OF THE PRUT RIVER. Negru Maria, Şubernetkii Igor, Tumanova T., Institute of Zoology, Academy of Sciences of Moldova

	<p><i>SPIRULINA PLATENSIS</i> - MATRIX FOR SILVER NANOPARTICLE SYNTHESIS. <u>Chiriac T., Cepoi L., Zinicovscaia I., Codreanu S., Talpă M., Rudic V,</u> Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p>
<p>17.00– 20.00</p>	<p><u>Cultural program and diner</u> Visit to the famous Cricova cellar, situated in the vicinity of Chisinau. “Cricova” winery is the leader of Moldavian winemakers. Specialists have found out it has an ideal microclimate for preserving white and sparkling wines. The temperature of +10 - +14 C is permanent here all year round. This is an entire underground city, situated at the depth of 50-80 m. Avenues, streets like in a town and only their names are unusual: Feteasca avenue, Cabernet Str, Aligote Str, Riesling streets,etc. The length of these streets is about 60 km. Famous Cricova’s wine collection is permanently increasing. It contains valuable old wines from the whole world. That is why, visiting Cricova tasting rooms – is a real trip to wine world. The connecting dinner will end the visit.</p>
<p>10 OCTOBER, FRIDAY</p> <p>Venue: Hotel “Vila Verde” str. Grenoble 110, mun.Chisinau, Republica Moldova</p>	
<p>9.00 – 10.30</p> <p><u>Hall B</u></p>	<p><u>Thematic session</u> <u>Microbiological technics/biotechnologies for agriculture</u></p> <p>INFLUENCE OF MICRONUTRIENTS AND METABOLITES OF MICROORGANISMS ON NUTRITIVE STATUS OF GRAPE. <u>Velixar Sofia,</u> Lemanova Natalia, Toma Simion, David Tatiana, Institute of Genetics, Phisiology and Protection of Plants, Academy of Sciences of Moldova</p> <p>EXPERIENCE OF <i>DUNALIELLA SALINA</i> TEOD MASS CULTIVATION ON SEDIMENTARY SALT MINING. Borovkov A., “A.O. Kovalevski “Institute of Biology of Southern Seas , Sevastopol</p>

	<p>THE INFLUENCE OF LIGHT ON BIOLOGICAL NITROGEN FIXATION IN BLUE-GREEN ALGA <i>NOSTOC FLAGELLIFORME</i>. <u>Dobrojan S.</u> , Stratulat I., Șalaru V., Moldova State University</p> <p>INFLUENCE OF LONG-TERM IRRIGATION AND CROP ROTATION COMBINATIONS ON SOIL ENZYME ACTIVITIES. <u>Samuel Alina Dora,</u> Blidar Cristian, University of Oradea, Romania</p> <p>STIMULATION OF SOYBEAN RHIZOBACTERIA' BIOCHEMICAL ACTIVITY BY STARTING RATES OF MINERAL FERTILIZERS TO OVERCOME TEMPORARY SOIL DROUGHT DURING VEGETATION SEASON <u>Emnova Ecaterina,</u> Daraban Oxana, Bizgan Iana, Institute of Genetics, Physiology and Plant Protection, Academy of Sciences of Moldova</p> <p>EFFECTS OF CIANOBACTERIAL REMEDY BioR ON THE SERUM CONTENT OF MALONIC SOD AND MDA IN RECONDITIONED QUAIL. <u>Macari Ana,</u> State Agrarian University of Moldova</p> <p>ACTION OF FREEZE-DRYING PARAMETERS ON VIABILITY OF MICROMICETES. <u>Sirbu Tamara,</u> Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p><u>Thematic session</u> <u>Microbiological techniques/biotechnologies for medicine.</u></p> <p>INFLUENCE OF LIGHT REGIMEN AND CULTURE MEDIA ON CULTIVATION OF MICROALGAE <i>GYMNODINIUM WULFFII</i>, <u>Avsian Anna,</u> Kharciuk Irina, «A. O. Kovalevski « Institute of Biology of Southern Seas, Sevastopol</p> <p>INFLUENCE OF THE CYANOBACTERIAL BIOREMEDIES ON LIVER ANTIOXIDANT PROTECTION IN CYCLOPHOSPHANE INDUCED IMMUNODEFICIENCY. <u>Știrba Olga,</u> Andronache Lilia, Pantea Valeriana, Popa Veaceslav, Djur Svetlana, Rudi Ludmila, PI State University of Medicine and Pharmacy „Nicolae Testemitanu”, Republic of Moldova</p>
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**OPTIMIZING ANTIMICROBIAL PRESCRIBING:
METHICILLIN RESISTANT *STAPHYLOCOCCUS
AUREUS* IN STAPH WOUND INFECTIONS**

Balan Greta, Rudic Valeriu , Moldova State University of
Medicine and Pharmacy „*Nicolae Testemitanu*» Republic of
Moldova

**NEW TECHNOLOGIES OF OBTAINING OF
ANTIDIABETIC PREPARATIONS BASED FROM
BIOMASS OF *CYANOBACTERIUM SPIRULINA
PLATENSIS***

Elenciuc Daniela, Zosim Liliana , Batîr Ludmila , University
of the Academy of Sciences of Moldova

**PREDICTABLE VALUE EVOLUTION OF THE
IMMUNE RISK FACTORS FOR ANTI-TUBERCULOSIS
TREATMENT FAILURE UNDER THE ACTION OF BioR
MEDICINE.** Lesnic E., Ghinda S., Chiriac T., Rudic V.

Department of Phthysiopneumology, NicolaeTestemitanu
State University of Medicine and Pharmacy, Immunological
and Allergological Laboratory of Medical Public Institution
of Phthysiopneumology “Chiril Draganiuc”, Republic of
Moldova, Institute of Microbiology and Biotechnology,
Academy of Science of Moldova

**THE IMPACT OF ENTEROCOCCI IN CAUSING
INTESTINAL PATHOLOGY**

AND BODY HEALTH MAINTENANCE. Florea Natalia,
Timoşco Maria, Perde Diana, Bogdan Victoria, PI State
University of Medicine and Pharmacy „*Nicolae Testemitanu*”,
IFS of AŞM, Republic of Moldova

Hall D

Thematic session

**International Cooperation in the field of Microbiology
and Biotechnology**

**DEVELOPMENT OF BIOTECHNOLOGY COMBINED
FOOD SYSTEMS ENRICHED WITH PLANT
COMPLEXES ON THE BASIS OF ANIMAL ORIGIN.**

N.Rodionova, University of Engineering Technology,
Voronezh, Russia

	<p>EFFECT OF SOME TECHNOLOGICAL TREATMENTS OF COLD PRESSED WALNUT OIL (JUGLANS REGIA L.) ON ITS ANTIOXIDANT PROFILE AND QUALITY CHARACTERISTICS. Popovici C., Technical University of Moldova</p> <p>STUDY ON THE COMPLIANCE WITH EU FOOD LABELING REGULATIONS IN ROMANIA. O.Tita, Lucian Blaga University of Sibiu, Romania</p> <p>FOOD LABELS – AN OPPORTUNITY FOR INFORMED CHOICE OF FOOD. M. Petrova, University of Russe, Razgrad, Bulgaria</p> <p>RESEARCH REGARDING NUTRITIONAL LABELING OF FOOD PRODUCTS IN BRASOV COUNTY AREA. L. Gaceu, Transilvania University of Brasov, Romania</p> <p>CONSUMER UNDERSTANDING OF NUTRITIONAL CLAIMS. A. Birca, Technical University of Moldova</p> <p>OVERVIEW OF NATIONAL REGULATIONS ON FOOD LABELING. C. Popovici, Technical University of Moldova</p>
10.30 –11.00	<i>Coffee break</i>
11.00 –12.30 <u>Hall B</u>	<p><u>Thematic session</u> <u>Microbiological technics/biotechnologies for agriculture</u></p> <p>EFFECT OF RHISOLIC BIOPREPARATION USED IN VARIOUS DOSES IN SOYBEAN CULTIVATION. <u>Onofraş L.</u>, Iacobuta M., Vozian V., Prisacari S. Todiraş V., Lungu A. Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>PHYSICAL AND CHEMICAL PROPERTIES OF CELLULASES PRODUCED BY FUNGI TRICHODERMA VIRIDE BIM F-578G AND TRICHODERMA ATROVIRIDE BIM F-577G <u>Moroz Irina</u>, Shakhnovich Elena Mikhailova Raisa Lobanok Anatoly, Institute of Microbiology, National Academy of Sciences, Minsk, Belarus</p>

	<p>THE CHARACTERISTICS OF THE MICROBIAL LOAD IN THE SEPTIC PODAL DISEASES IN THE CATTLE. <u>Enciu Valeriu</u>, State Agrarian University of Moldova</p> <p>AMINO ACID NITROGEN OF CARBONATED CHERNOZEM IN MOLDOVA AND ITS RESERVES. <u>Frunze N.</u>, Lala M., Bolocan N., Darie V. Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>PERSPECTIVE OF USING THE CYANOBACTERIAL REMEDY BioR IN BROILERS, <u>Macari V.</u>, Rudic V., Gudumac V., Putin V., Macari Ana., Didoruc S., - State Agrarian University of Moldova</p> <p>NEMATODE <i>DITYLENCHUS DESTRUCTOR</i> AND POSSIBILITIES OF ITS BIOLOGICAL CONTROL. Melnic M., <u>Rusu Ş.</u>, Erhan D., Onofraş L., Todiraş V., Lungu A., Institute of Zoology, Academy of Sciences of Moldova</p> <p>BIOCHEMICAL COMPOSITION OF THE BLUE-GREEN ALGAE <i>ANABAENA PROPINQUA</i> AT CULTIVATION ON THE DREW NUTRITIVE MEDIUM WITH AND WITHOUT NITROGEN SOURCES. <u>Bulimaga Valentina</u>, Şalaru Vasile, Zosim Liliana, Pisov Maria, Trofim Alina, Moldova State University</p>
<u>Hall C</u>	<p><u><i>Thematic session</i></u> <u>Microbiological techniques/biotechnologies for medicine.</u></p> <p>FUNCTIONAL STATUS OF RENAL LYSOSOMAL APPARATUS IN EXPERIMENTAL NEPHROPATHY AND INFLUENCE OF LOCAL BIOLOGICALLY ACTIVE COMPOUNDS <u>Tagadiuc Olga</u>, Sardari Veronica, Shtirba Olga, Gudumac Valentin, Djur S., Codreanu S., Cepoi L., State University of Medicine and Pharmacy „Nicolae Testemitanu”, Republic of Moldova, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p>

	<p>THE DEPENDENCE OF BIOSYNTHETIC PROPERTIES OF MICROMYCETE <i>ASPERGILLUS NIGER</i> 10 – PRODUCER OF EXTRACELLULAR CELLULASES AND XYLANASES ON CULTIVATION FACTORS. Deseatnic-Ciloci A., Tiurina J., Bivol C., <u>Clapco S.</u>, Labliuc S., Dvornina E, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>INFLUENCE OF LOCAL BIOLOGICALLY ACTIVE COMPOUNDS ON CARBOHYDRATE METABOLISM IN EXPERIMENTAL HEPATOPATHY. <u>Sardari Veronica</u>, Tagadiuc Olga, Stirba Olga, Andronache Lilia, Chiriac Tatiana , Bulimaga Valentina , Rudic Valeriu, State University of Medicine and Pharmacy „Nicolae Testemitanu”, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova, State University of Moldova</p> <p>NEW TECHNOLOGIES FOR OBTAINING ANTIMICROBIAL PREPARATIONS. <u>Batîr Ludmila</u>, Zosim Liliana, Elenciuc Daniela , Lozan-Tîrşu Carolina, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>ORGANIC GERMANIUM COMPOUNDS FROM <i>SPIRULINA</i> BIOMASS. <u>Djur S.</u>, Chiriac T, Rudi L., Rudic V. , Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>SYNTHESIS AND STRUCTURE OF BIOLOGICALLY ACTIVE 3D-METAL COORDINATION COMPOUNDS WITH 4-ALLYLCHALCOGENSEMICARBAZONES AND THEIR DERIVATIVES. Graur Vasilii, Moldova State University</p>
12.30 –13.30	<i>Lunch break</i>
13.30 –15.00 <u>Hall B</u>	<p><u>Thematic session</u> <u>Microbiological techniques/biotechnologies for agriculture.</u></p> <p>MILLIMETER WAVES AS REGULATORS OF PROTEIN CONTENT AT <i>SACCHAROMYCES</i> YEASTS. <u>Efremova Nadejda</u>, Institut of Microbiology and Biotechnology, Academy of Sciences of Moldova</p>

INFLUENCE OF YEAST AND ENZYME PREPARATIONS ON AMINO ACIDS CONTENT IN DRY WHITE WINES, Taran Nicolae, Antohei Maria, Institute of Horticulture, Republic of Moldova

THE YEASTS VIABILITY AFTER LONG-TERM STORAGE IN FREEZE-DRIED FORM IN COLLECTION OF NON-PATHOGENIC MICROORGANISMS. Chiselitsa Oleg, Slanina Valerina, Batyr Ludmila, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova

THE EFFICIENCY OF EXOMETOBOLITES OF THE *STREPTOMYCES MASSASPOREUS* CNMN-AC-06 STRAIN AS PLANT GROWTH REGULATORS IN AGRICULTURE. Bratukhina Antonina, Burteva Svetlana, Maslobrod S., Taras Shevchenko State University, Tiraspol, Republic of Moldova

UTILIZATION OF EXOMETABOLITES OF STREPTOMYCETES ISOLATED FROM SOILS OF R.MOLDOVA IN PLANT STIMULATION AND PHYTOPATHOGEN CONTROL. Poiras N., Burtseva S., Poiras L., Birsa M., Sasanelli N., Wesemael W., Institute of Zoology, Institute of Microbiology and Biotechnology ASM, Institute for Agricultural and Fisheries Research, Ghent University, Belgium, Institute for Sustainable Plant Protection, Bari Italy

EFFECT OF TRACE ELEMENTS AND MICROORGANISMS OVER THE CONTENT OF CARBOHYDRATES IN GRAPEVINE ORGANS. David Tatiana, Veliksar Sofia, Lemanova Natalia, Toma Simion, Gladei Mihai, Institute of Genetics, Physiology and Plant Protection, Academy of Sciences of Moldova

INVESTIGATIONS CONCERNING THE INFLUENCE OF SOME PARAMETERS OF CULTIVATION ON MANNOPROTEIN CONTENT AT *SACCHAROMYCES CEREVISIAE* CNMN-Y-18. Fulga Ludmila, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova

	<p>PROSPECTS OF METABOLITES OF STREPTOMYCETES ISOLATED FROM SOILS OF MOLDOVA AS A PLANT GROWTH REGULATORS. Burtseva S., Maslobrod S., Achiri I., <u>Byrsa M.</u>, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova, Institute of Genetics, Physiology and Plant Protection, Academy of Sciences of Moldova</p>
<p>15.00 –16.00 <u>Hall B</u></p>	<p><i>Poster session</i></p>
<p>16.00 –16.30 <u>Hall B</u></p>	<p><i>Closing remarks, suggestions</i></p>
	<p><i>Poster presentations :</i></p> <p>INSTRUMENTS AT IBR-2 MODERNIZED REACTOR – POTENTIAL APPLICATIONS IN MICROBIOLOGY. Culicov O.A. , Chudoba D.M. , Shvetsov V.N. , FLNP JINR, Dubna, Russian Federation, INCDIE ICPE-CA, Bucharest, Romani, <i>Adam Mickiewicz University</i>, Poznan, Poland</p> <p>POLYFUNCTIONAL BIOFORMULATIONS AGAINST PARASITIC NEMATODES, Iutynska Galyna, Biliavska Liudmyla , Kozyrytska Valentyna , Zabolotny Institute of Microbiology and Virology of the National Academy of Science of Ukraine</p> <p>EFFECT OF CULTURAL MEDIUM RHEOLOGY ON <i>PENICILLIUM ADAMETZII</i> MORPHOLOGY AND GLUCOSE OXIDASE PRODUCTION. Demeshko Olga, Mikhailova Raisa, Institute of Microbiology, National Academy of Sciences, Minsk, Belarus</p> <p>COMPLEX PREPARATIONS TO IMPROVE QUALITY OF ENSILED FODDER. Naidenko I. , Denisenko V. , Safonova M. , Institute of Microbiology, National Academy of Sciences, Minsk, Belarus</p> <p>DETERMINATION OF PH-DEPENDENCE IN REACTION OF GLUCOSE OXIDATION BY GLUCOSE OXIDASE <i>PENICILLIUM FUNICULOSUM</i> CONNECTED WITH HORSERADISH PEROXIDASE. Semashko T.V., Mikhailova R.V., Shedzko H.A., Institute of Microbiology, National Academy of Sciences, Minsk, Belarus</p>

THE INDUCTION OF PHENAZINE ANTIBIOTICS SYNTHESIS ON MINIMAL MEDIA IN WILD TYPE BACTERIA *PSEUDOMONAS AURANTIACA*. Kashkan I.A., Veremeenko E.G., Maksimova, N.P. Belarusian State University

CLONING OF REGULATORY *PSRA*-GENE AT *PSEUDOMONAS AURANTIACA* B-162, Shilova J.A., Veremeenko E.G., Maksimova, N.P. Belarusian State University

PCR-SCREENING OF *PHZC*-GENE IN BACTERIA *PSEUDOMONAS* GENUS. Semashko A.I., Veremeenko E.G., Maksimova, N.P. Belarusian State University

ANTIFUNGAL ACTIVITY OF *BACILLUS THURINGIENSIS* STRAINS. Voitka D., Nedzvetskaya D., RUE «Institute of Plant Protection» Belarusi

SELECTION OF SUBSTRATUM FOR GLUCOSE OXIDATION REACTION CATALYZED BY GLUCOSE OXIDASE FROM *PENICILLIUM ADAMETZII* AND HORSE RADISH PEROXIDASE. Mikhailova R.V., Semashko T.V., Shedzko H.A
Institute of Microbiology, National Academy of Sciences, Minsk, Belarus

DIVERSITY AND PRODUCTIVITY OF PHYTOPLANKTON IN THE DNESTER RIVER. Ungureanu Laurentia, Toderas Ion, Tumanova Daria, Ingureanu Grigore, Gheorghita Cristina, Miron Adriana, Institute of Zoology, Academy of Sciences of Moldova

INFLUENCE OF POLYSACCHARIDE BASED BIOADDITIVES ON THE INDEX OF PRODUCTION OF GRASS CARP (*CTENOPHARYNGODON IDELLA*). Dadu Ana, Institute of Zoology, Academy of Sciences of Moldova

MITES- PLANTS PATHOGENS VECTORS. Kulikova Ludmila, Institute of Zoology, Academy of Sciences of Moldova

<p>ANTIMICROBIAL EFFECT OF COPPER AND COBALT COORDINATION COMPOUNDS WITH SALICYLIDENE-4-ALLYLTHIOSEMICARBAZIDATE AND ITS DERIVATIVES. Gulea A., Zariciuc E., Graur V., Tsapkov V., Rudic V. Moldova state University</p> <p>BACTERIOSTATIC AND BACTERICIDAL ACTIVITIES OF 3D-METAL COMPLEXES WITH SALICYLALDEHIDE 4-ALLYL-S-METHYLTHIOSEMICARBAZONE. Gulea A., Zariciuc E., Truhina I., Graur V., Tsapkov V., Rudic V., Moldova State University</p> <p>THE STUDY OF THE ANTIMICROBIAL ACTIVITY OF COPPER(II) SALICYLIDENE- AND NAPHTHALIDENE-4-ALKYLTHIOSEMICARBAZIDATES CONTAINING SULPHANILAMIDES Gulea A., Zariciuc E., Tsapkov V., Rudic V., Moldova State University</p> <p>ANTIMICROBIAL EFFECT COORDINATIVE COMPOUNDS OF COPPER WITH 4-(DIMETHYLPHENYL)-THIOSEMICARBAZONES OF 2-PHORMYLPYRIDINE. Gulea A., Rudic V., Lozan-Tirsu C., Zariciuc E., Tsapkov V., State University of Medicine and Pharmacy “N. Testemitsu”, Moldova State University</p> <p>USE DI(μ-S)-BIS{CHLORO-[1-PYRIDINE-2-YLETHANONE-4-METHYLTHIOSEMICARBAZONATO(1-)]COPPER}, AS SUBSTANCE WITH ANTIMICROBIAL ACTIVITY AGAINST <i>STAPHYLOCOCCUS AUREUS</i>. Rudic V., Gulea A., Lozan-Tirsu C., Zariciuc E., Tsapcov V. State University of Medicine and Pharmacy “N. Testemitsu”, Moldova State University</p> <p>THE INTESTINAL MICROFLORA - NUTRITIONAL AND HEALTH FACTOR OF THE ORGANISM, Timoșco Maria, Strutinschi Tudor, Strokova V., IPS Academy of Sciences of Moldova</p> <p>THE NUMERIC LEVEL OF GUT MICROORGANISMS AND THE HEALTH. Velciu Aliona, Timoșco Maria, IPS Academy of Sciences of Moldova</p>

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IMPACT OF THE BIOR REMEDY ON THE IMPROVEMENT OF HEALTH AND PRODUCTIVITY OF NEWLY WEANED YOUNG RABBITS. Macari V., Yacub N., Putin V., Mațencu D., Didoruc, State Agrarian University of Moldova

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THE VIABILITY AND ANTIMICROBIAL ACTIVITY OF *BACILLUS* AND *PSEUDOMONAS* BACTERIA STRAINS AFTER LONG-TERM STORAGE BY USING DIFFERENT METHODS. Chiselitsa Oleg, Batyr Ludmila, Tolocichina Svetlana, SlaninaValerina, Institute of Microbiology and Biotechnology , Academy of Sciences of Moldova

<p>THE EFFECT ON CULTURAL, ANTIMICROBIAL AND GROWTH-REGULATORY PROPERTIES OF <i>STREPTOMYCES LEVORIS</i> CNMN-AC-01 BY USING DIFFERENCE METHODS OF STORAGE. Burtseva S., Byrsa M., Achiri I., Chiselitsa O., Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>ENVIRONMENTAL INFLUENCE OF SOLID COMPOSITION OF GROWING ON GROWTH AND CHARACTER OF ANTAGONIST FUNGAL STRAINS. Sirbu Tamara, StarciucN., Bugneac V. Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>THE EFFECT OF LYOPHILIZATION ON THE <i>STREPTOMYCES MASSASPOREUS</i> CNMN-AC-06 STRAIN PRESERVATION. Bratukhina A.A., Burteva S.A. Taras Shevchenko State University, Tiraspol</p> <p>CHANGES IN BIOCHEMICAL COMPOSITION OF NOSTOC <i>LINCKIA BIOMASS</i> DURING THE PROCESS OF NANOSYNTHESIS. Valuța A., Cepoi L., Zinicovscaia I., Codreanu S., Lupu M., Rudi L, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>NEW FEED ADDITIVES WITH ORGANIC SELENIUM. Cepoi L., Chiriac T., Djur S., Loseva L., Rudic V., Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>TECHNOLOGIES FOR OBTAINING ANTIOXIDANT PREPARATIONS FROM RED ALGA <i>PORPHYRIDIVM CRUENTUM</i>. Sadovnic D., Cepoi L., Rudi L., Chiriac T., Lazarescu A., Cojocari A. Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>EFFICIENCY OF ANTIOXIDANT PREPARATIONS FROM <i>PORPHYRIDIVM CRUENTUM</i> FOR PRESERVING VEGETABLE OILS. Sadovnic D., Cepoi L., Rudi L., Chiriac T., Iațco Iu, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p> <p>THE ROLE OF CONSTITUTIVE LIPIDS IN THE CELL ANTIOXIDANT DEFENCE. Rudi L., Miscu V., Cepoi L., Valuța A., Ghelbet V., Băț C., Rudic V., Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova</p>

CORRELATION DEPENDENCIES IN CAROTENOID ACCUMULATION THROUGHOUT LIFE CYCLE OF GREEN ALGA *HAEMATOCOCCUS PLUVIALIS*. Miscu V., Rudi L., Cepoi L., Codreanu S., Djur S., Valuța A., Rudic V., Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova

THE ROLE OF CAROTENOIDS IN SUPPRESSION OF OXIGEN REACTIVE SPECIES IN RED ALGA *PORPHIRIDIUM CRUENTUM*. Miscu V., Rudi L., Cepoi L., Codreanu S., Ghelbet V., Iațco Iu, Rudic V., Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova

THE INFLUENCE OF MILLIMETER WAVES ON THE MANNAN CONTENT IN YEAST STRAIN *SACCHAROMYCES CEREVISIAE* CNMN-Y-18. Molodoi Elena, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova

INFLUENCE OF OXIDATIVE STRESS ON THE ACTIVITY OF SOME ENZYMES OF BAKER'S YEAST. Efremova Nadejda, Molodoi Elena, Usatii Agafia, Fulga Ludmila, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova

NEW ACTIVATION METHOD OF B-GLUCAN BIOSYNTHESIS BY YEASTS
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NUTRIENT MEDIUM FOR GROWING *SACCHAROMYCES CEREVISIAE* CNMN-Y-20 STRAIN - SOURCES OF B-GLUCAN. Chiselița Natalia, Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova

ADAPTATION OF SOIL MICROORGANISMS AND THEIR CONSORTIUM TO HIGH CONCENTRATION OF PESTICIDES. Tolocichina Svetlana, Postolachi Olga, Rastimesina Inna, Mamaliga Vera, Institute of Microbiology and Biotechnology of Academy of Sciences of Moldova

