

ISSN 2524-0986

 **iScience**<sup>®</sup>

# ACTUAL SCIENTIFIC RESEARCH IN THE MODERN WORLD

INTERNATIONAL SCIENCE JOURNAL

Issue 1(105)

**Pereiaslav  
2024**

# ACTUAL SCIENTIFIC RESEARCH IN THE MODERN WORLD

ISSUE 1(105)

January 2024

INTERNATIONAL SCIENCE JOURNAL

Publishing schedule: 12 times/year (monthly)

Published since June 2015

Included in scientometric databases:

**Google Scholar** <https://scholar.google.com.ua/citations?user=JP57y1kAAAAJ&hl=uk>

**Бібліометрика української науки**

[http://nbuviap.gov.ua/bpnu/index.php?page\\_sites=journals](http://nbuviap.gov.ua/bpnu/index.php?page_sites=journals)

**Index Copernicus**

<http://journals.indexcopernicus.com/+++,p24785301,3.html>

Pereiaslav

**Editorial board:**

<b>O. Bazaluk</b>	Doctor of Philosophical Sciences, Professor (Ukraine)
<b>I. Dobroskok</b>	Doctor of Pedagogic Sciences, Professor (Ukraine)
<b>S. Kabakbayev</b>	Doctor of Physical and Mathematical Sciences, Professor (Kazakhstan)
<b>G. Musabekova</b>	Doctor of Pedagogic Sciences, Professor (Kazakhstan)
<b>I. Smyrnov</b>	Doctor of Geographic Sciences, Professor (Ukraine)
<b>O. Isak</b>	Doctor of Sociological Sciences (Moldova)
<b>Lyu Bincyа</b>	Doctor of Art Criticism (CPR)
<b>V. Tamulet</b>	Doctor of Historical Sciences (Moldova)
<b>S. Brynza</b>	Doctor of Juridical Sciences, Professor (Moldova)
<b>A. Tykhon</b>	Doctor of Medical Sciences (Moldova)
<b>A. Goriashenko</b>	Doctor of Pedagogic Sciences (Moldova)
<b>G. Alieve-Kengerli</b>	Doctor of Philological Sciences, Professor (Azerbaijan)
<b>A. Aidosov</b>	Doctor of Technical Sciences, Professor (Kazakhstan)
<b>T. Lozova</b>	Doctor of Technical Sciences, Professor (Ukraine)
<b>O. Sydorenko</b>	Doctor of Technical Sciences, Professor (Ukraine)
<b>A. Egiazarian</b>	Doctor of Pedagogic Sciences, Professor (Armenia)
<b>Z. Aliev</b>	Doctor of Agricultural Sciences, Professor (Azerbaijan)
<b>K. Partoev</b>	Doctor of Agricultural Sciences, Professor (Tajikistan)
<b>L. Tsibulko</b>	Doctor of Pedagogic Sciences, Professor (Ukraine)
<b>M. Baimukhamedov</b>	Doctor of Technical Sciences, Professor (Kazakhstan)
<b>M. Musabayeva</b>	Doctor of Geographic Science, Professor (Kazakhstan)
<b>Z. Kabyzbekova</b>	Doctor of Pedagogic Sciences, Professor (Kazakhstan)
<b>N. Kheladze</b>	Candidate of Chemical Sciences (Georgia)
<b>J. Talaspayeva</b>	Candidate of Philological Sciences, Professor (Kazakhstan)
<b>B. Chernov</b>	Candidate of Pedagogic Sciences, Professor (Ukraine)
<b>V. Amrakhov</b>	Candidate of Economic Sciences, docent (Azerbaijan)
<b>K. Mkrtchian</b>	Candidate of Technical Sciences, docent (Armenia)
<b>V. Stati</b>	Candidate of Juridical Sciences, docent (Moldova)
<b>K. Bugaevskyi</b>	Candidate of Medical Sciences, docent (Ukraine)
<b>G. Tsybulko</b>	Candidate of Pedagogic Sciences, docent (Ukraine)
<b>N. Iaronova</b>	Candidate of Technical Sciences (Uzbekistan)

Actual scientific research in the modern world // Journal. - Pereiaslav, 2024. - Issue 1(105) – 309 p.

**Language:** українська, русский, english, қазақша, o'zbek, limba română.

UDC 001.891(100) «20»

BBK 72.4

A43

© NGO THE INSTITUTE FOR SOCIAL TRANSFORMATION, 2024

© Authors, 2024

## TABLE OF CONTENTS

### SECTION: ART STUDIES

<b>Kudyrbekova Elmira Serikovna, Bayorazova A.J., Zhanamanova Kamshat Bolatkyny (Taldykorgan, Kazakhstan)</b>	
ARTISTIC CHARACTER OF THE CREATIVE WORKS OF KAZAKHSTAN ARTISTS ....	9

### SECTION: AGRICULTURAL SCIENCE

<b>Жамкеева Меруерт, Сапарбекова Гулбану, Сабырханова Гулжан Аманбекова Асылай, Қожагелдин Нұрбақыт, Абдрахим Дидар (Шымкент, Қазақстан)</b>	
МАҚАТА ӨСІРУ ТЕХНОЛОГИЯСЫ .....	15

### SECTION: BIOLOGY SCIENCE

<b>Михалків Людмила Миронівна, Коць Сергій Ярославич, Омельчук Світлана Василівна, Жемойда Алла Володимирівна (Київ, Україна)</b>	
ВПЛИВ МОНО- ТА БІНАРНОЇ ІНОКУЛЯЦІЇ НА ЕФЕКТИВНІСТЬ СИМБІОТИЧНИХ СИСТЕМ КВАСОЛІ З БУЛЬБОЧКОВИМИ БАКТЕРІЯМИ У ПОЛЬОВИХ УМОВАХ.....	19
<b>Сабирова Шахноза Абдумаликовна, Айтмұрат Амир Тимурұлы, Муратжанова Севара Баходировна, Максұт Алихан Нұрдәулетұлы (Шымкент, Қазақстан)</b>	
ФОТОСИНТЕЗДІҢ ҚАРАҒҒЫ КЕЗЕҢІ, КАЛЬВИН ЦИКЛІ .....	25
<b>Тулепбергенова Жанна Нурлыхановна Қуанышова Балауса Жасуланқызы, Ғани Саят Нұрсеитұлы, Мұса Али Ғалымжанұлы (Шымкент, Қазақстан)</b>	
ЭЛЕКТРОМАГНИТТІК ЖӘНЕ ДЫБЫС ТОЛҚЫНДАРЫНЫҢ АДАМ АҒЗАСЫНА ӘСЕРІ .....	28

### SECTION: CHEMISTRY

<b>Ирисова Ноила Шодиматовна, Абдирахимова Дона Данияровна, Темирбаев Зуфар Зияматович, Эргашов Жахонгир Собиржанович (Шымкент, Қазақстан)</b>	
ГЕТЕРОЦИКЛИЧЕСКИЕ СОЕДИНЕНИЯ.....	31

### SECTION: ECOLOGY

<b>Nepsha Oleksandr, Epifantsev Denys, Diachkova Anastasia, Diachkova Larysa, Movchan Anastasiia, Tsyhanok Oleksandra (Zaporizhzhia, Ukraine)</b>	
PROBLEMS OF NATURE MANAGEMENT AND ENVIRONMENTAL PROTECTION .	33
<b>Nepsha Oleksandr, Donets Iryna, Khomotiuk Yuri, Koval Dmytro, Vinnichenko Olena (Zaporizhzhia, Ukraine)</b>	
FORMATION OF ENVIRONMENTAL POLICY IN UKRAINE.....	37

**SECTION: ECONOMICS**

<b>Абдуллаев Равшан Вахидович (Ташкент, Узбекистан)</b> МЕЖДУНАРОДНЫЕ АСПЕКТЫ БОРЬБЫ С ФИНАНСИРОВАНИЕМ ТЕРРОРИЗМА В УЗБЕКИСТАНЕ .....	41
---	----

**SECTION: HISTORY SCIENCE**

<b>Жиенбаев Д.Б. (Талдықорған, Қазақстан)</b> ТҮРКІСТАН ЛЕГИОНЫ ЖӘНЕ М. ШОҚАЙ .....	46
<b>Сантаева К.Т., Каденова Б.С. (Талдықорған, Қазақстан)</b> ПАТША ӘКІМШІЛІГІНІҢ КІШІ ЖҮЗДЕГІ РЕФОРМАЛАРЫ (XVIII ғасырдың 80-ші жылдары) .....	53
<b>Серік Гүлзар Танатарқызы (Талдықорған, Қазақстан)</b> ЭКОНОМИЧЕСКАЯ ЭФФЕКТИВНОСТЬ ЖЕТЫСУСКОГО РЕГИОНА .....	65

**SECTION: MEDICAL SCIENCE**

<b>Бугаевский Константин Анатольевич (Новая Каховка, Украина)</b> АНАТОМИЯ ГРУДНОЙ КЛЕТКИ ЧЕЛОВЕКА В ОТРАЖЕНИИ ФАЛЕРИСТИКИ- НА ТЕМАТИЧЕСКИХ ЗНАЧКАХ И БРОШАХ .....	70
<b>Данышпаева Айжан Баймахановна,</b> <b>Альмуханова Камила Кабжановна (Алматы, Қазақстан)</b> ЛЕГОЧНАЯ РЕАБИЛИТАЦИЯ БОЛЬНЫХ С ХРОНИЧЕСКОЙ ОБСТРУКТИВНОЙ БОЛЕЗНЮ ЛЁГКИХ.....	79

**SECTION: PEDAGOGY**

<b>Zhumabaeva Maral Asylbekovna (Taldykorgan, Kazakhstan),</b> <b>Zharimbetova Gulsara Kasymbekovna (Almaty, Kazakhstan),</b> <b>Bektasova Markhabat Satkanbaevna (Zharkent, Kazakhstan)</b> PROCEDURE FOR CHECKING STUDENTS' MASTERY OF A NEW LESSON.....	84
<b>Абдразакова Камшат Жекетаевна (Астана, Қазақстан)</b> ТӘРБИЕ ЖҰМЫСТАРЫНЫҢ НӘТИЖЕСІ МЕН ТИІМДІЛІГІНІҢ ДИАГНОСТИКАСЫ .....	91
<b>Адамкулов Нурали Мерекебаевич (Талдықорған, Қазақстан),</b> <b>Судейменова Қымбат Оспановна,</b> <b>Койманова Халида Жарлықасыновна (Алматы, Қазақстан)</b> БОЛАШАҚ БАСТАУЫШ СЫНЫП МҰҒАЛІМДЕРІНЕ ВИЗУАЛДЫ ӨНЕРДІ ҚАБЫЛДАУҒА ДАЯРЛАУ ҮРДІСІ.....	95
<b>Ахмедов Бахытжан Асылбекович,</b> <b>Қыдырбай Асылжан Жалғасбекқызы (Түркістан, Қазақстан)</b> ДЕНЕ ШЫНЫҚТЫРУ ПӘНІН ОҚИТУДАҒЫ ПЕДАГОГИКАЛЫҚ ӘДІС-ТӘСІЛДЕР	103
<b>Ахмедов Бахытжан Асылбекович,</b> <b>Жұматаев Саят Мұсабекұлы (Түркістан, Қазақстан)</b> ДЕНЕ ТӘРБИЕСІ САБАҒЫН ӨТКІЗУДІҢ ЗАМАНАУИ ӘДІС-ТӘСІЛДЕРІ .....	107

<b>Григорян Сюзанна Сергеевна (Ереван, Армения)</b> УЧЕБНАЯ ПРАКТИКА КАК СРЕДСТВО СОВЕРШЕНСТВОВАНИЯ ПРОФЕССИОНАЛЬНОЙ ПОДГОТОВКИ СТУДЕНТОВ.....	114
<b>Ельжанов Д.Н., Омар Г.А. (Туркестан, Казахстан)</b> АРТИСТИЗМ В ПЕДАГОГИЧЕСКОЙ КУЛЬТУРЕ СОВРЕМЕННОГО ПРЕПОДАВАТЕЛЯ .....	122
<b>Ельжанова Раушан Нуржановқызы, Мүтан Назерке (Түркістан, Қазақстан)</b> МУЗЫКА САБАҒЫНДА ОҚУШЫЛАРДЫҢ ТАНЫМДЫҚ ҚЫЗЫҒУШЫЛЫҒЫН ҚАЛЫПТАСТЫРУДЫҢ ПЕДАГОГИКАЛЫҚ МАҢЫЗДЫЛЫҒЫ.....	127
<b>Кекилбекова Мейрамкуль Касимовна, Кузырова Динара Абдрахманқызы (Түркістан, Қазақстан)</b> ДЕНЕ ШЫНЫҚТЫРУ ПӘНІНДЕ ЖАҢА ИННОВАЦИЯЛЫҚ ТЕХНОЛОГИЯЛАРДЫ ПАЙДАЛАНА ОТЫРЫП, БІЛІМ САПАСЫН АРТТЫРУ .....	134
<b>Касымсейтова Алия Куралбаевна, Рахыш Жәнібек Мамбетұлы, Үсен Інжу Серікқызы, Нұрсейт Алан Саматұлы, Төлтан Бурхан Бауыржанұлы (Шымкент, Қазақстан)</b> БАСТАУЫШ СЫНЫП ОҚУШЫЛАРЫН ЛОГИКАЛЫҚ ОЙЛАУ ҚАБІЛЕТТЕРІН ДАМУЫ.....	140
<b>Літвінова Олена (Харків, Україна)</b> РЕКОМЕНДАЦІЇ З УДОСКОНАЛЕННЯ ОКРЕМИХ РОЗДІЛІВ НАУКОВОЇ РОБОТИ .....	145
<b>Нұрсал Дәлел, Исаева Г.Б. (Алматы, Казахстан)</b> ФОРМИРОВАНИЕ ФУНКЦИОНАЛЬНОЙ ГРАМОТНОСТИ НА УРОКАХ ФИЗИКИ.....	147
<b>Сұлтанмұрат Мөлдір, Якупова Венера Жарылқасыновна, Султанова Галия (Шымкент, Казахстан)</b> КОММУНИКАТИВТІК ЛИДЕРЛІКТІ ҚАЛЫПТАСТЫРУДЫҢ ПСИХОЛОГИЯЛЫҚ КОММУНИКАТИВТІ ФАКТОРЛАРЫ.....	156
<b>Сұлтанмұрат Мөлдір, Султанова Галия, Даулетова Айгул Абдималиковна (Шымкент, Казахстан)</b> СТУДЕНТТЕРДІҢ КОММУНИКАТИВТІК ЛИДЕРЛІГІН ИННОВАЦИЯЛЫҚ ҚҰРАЛДАР АРҚЫЛЫ ҚАЛЫПТАСТЫРУ .....	162
<b>Таскараева К.А., Карабаева А.М. (Шымкент, Қазақстан)</b> ГЕОГРАФИЯ ПӘНІН ОҚЫТУДАҒЫ МҰҒАЛІМНІҢ БЕЛСЕНДІ РӨЛІ .....	168
<b>Халмуратов Имаматдин Тажетдинович (Нукус, Узбекистан)</b> ПРОЦЕСС РАЗВИТИЯ ИННОВАЦИОННОЙ АКТИВНОСТИ СТУДЕНТОВ В ВУЗЕ.....	172
<b>Хачикян Ануш Суреновна (Ереван, Армения)</b> РАЗВИТИЕ ИССЛЕДОВАТЕЛЬСКИХ УМЕНИЙ УЧАЩИХСЯ КАК ПСИХОЛОГОПЕДАГОГИЧЕСКАЯ ПРОБЛЕМА.....	175

**SECTION: PSYCHOLOGY SCIENCE**

**Садуова Жанар Нуралиевна, Байкенже Нургул Каржаубаевна**  
(Туркестан, Казахстан)

ПСИХОЛОГИЯ СТИМУЛИРОВАНИЯ И МОТИВАЦИИ..... 184

**SECTION: INFORMATION AND COMMUNICATION  
TECHNOLOGIES**

**Getsadze Miranda (Kutaisi, Georgia)**

UNITED STATES DIPLOMACY IN THE AGE OF THE INTERNET ..... 189

**Аликулов Акмал Хушмуратович (Ташкент, Узбекистан)**

СОВМЕСТНОЕ ИСПОЛЬЗОВАНИЕ РАЗЛИЧНЫХ ПРОГРАММНЫХ  
ПРИЛОЖЕНИЙ ДЛЯ ЗАПИСИ, ЦИФРОВИЗАЦИИ И ХРАНЕНИЯ  
ГАСТРОЭНТЕРОЛОГИЧЕСКИХ СИГНАЛОВ ..... 194

**Анарбаева Гульжазира Кенжебаевна, Өрікбек Арслан, Балабек Мерей,  
Әли-Асқар Еңлік, Ғалымжанұлы Сұлтан (Шымкент, Казахстан)**

КОМПЬЮТЕРДІ АЛЫСТАН БАСҚАРУ БАҒДАРЛАМАСЫН ҚҰРУ ..... 201

**SECTION: TECHNICAL SCIENCE. TRANSPORT**

**Fayzullayeva Zarnigor Inatillayevna (Tashkent, Uzbekistan)**

ZICHLIK VA MANBA EGA NOCHIZIQLIK TENGLAMALAR SISTEMASINI SONLI  
YECHIMINING VIZUAL JARAYONI ..... 204

**Дорофеев Віталій Степанович, Зінченко Ганна Валеріївна,  
Бойчук Олексій Віталійович,**

**Пушкар Наталя Володимирівна (Одеса, Україна)**

МАКРОСТРУКТУРА КОМПОЗИЦІЙНИХ БУДІВЕЛЬНИХ МАТЕРІАЛІВ  
ТИПУ БЕТОНІВ ..... 211

**Слямбаева Аймаш Қоңырғазықызы (Алматы, Қазақстан)**

ЗАМАНАУИ ҚАЛА ҚҰРЫЛЫМЫНДАҒЫ БИІК ҮЙЛЕРГЕ БЕЙІМДЕЛУ ..... 216

**SECTION: PHYSICAL CULTURE**

**Зеніна Ірина Володимирівна, Гаврилова Надія Михайлівна,**

**Кузьменко Наталія Вікторівна (Київ, Україна)**

ВПЛИВ РІЗНИХ ВИДІВ РУХОВОЇ АКТИВНОСТІ НА ІНДИВІДУАЛЬНІ  
ОСОБЛИВОСТІ ЗДОБУВАЧІВ ВИЩОЇ ОСВІТИ ..... 221

**Protsenko Andrii, Kotova Olena, Tsybulska Viktoriia,**

**Oliinyk Iryna, Sukhanova Hanna, Kyriienko Oleksandr, Nepsha Oleksandr**  
(Zaporizhzhia, Ukraine)

PREPAREDNESS OF FUTURE SPECIALISTS IN THE FIELD OF PHYSICAL  
CULTURE AND SPORTS FOR PHYSICAL CULTURE AND HEALTH WORK AT THE  
PLACE OF RESIDENCE..... 225

<b>Сержанов Ардак Абдималикович, Нурымбетов Досжан Орынбасарулы, Балкибеков Хамитжан Каримбергенович, Парманкулов Болат Рашович (Шымкент, Қазақстан)</b>	
ҮСТЕЛ ТЕННИСІНДЕ СПОРТШЫНЫҢ ТҮРЫСЫ МЕН ҚОЗҒАЛЫСЫ.....	228
<b>Тульбасиев Нартай Жуманович, Оразбаев Максат Бакытжанович (Түркістан, Қазақстан)</b>	
ДЕНЕ ТӘРБИЕСІ ТЕОРИЯСЫ ЖӘНЕ БАЛАЛАРДЫҢ ДЕНЕСІН ЖЕТІЛДІРУ ЖОЛДАРЫ.....	231

### SECTION: PHILOLOGY AND LINGUISTICS

<b>Burkitbayeva M.A., Aripzhan G.Zh., Ismailova ZH.E. (Turkistan, Kazakhstan)</b>	
DEVELOPMENT OF WRITING SKILLS THROUGH ESSAY .....	236
<b>Utegulova Zinura Nusipbaevna, Orazbaeva Fauzia Shamsievna (Almaty, Kazakhstan)</b>	
EXPLORING THE COMMUNICATIVE ASPECT OF THE WRITING PROCESS: A COMPREHENSIVE ANALYSIS.....	246
<b>Есимбекова Асемгуль Дюсембековна Тиунчик Кристина, Алексеева Анастаси, Ахенбекова Алуа, Калиева Зина (Шымкент, Қазақстан)</b>	
ҚАЗАҚ ТІЛІНДЕГІ ЖҰРНАҚТАР ЖӘНЕ ОЛАРДЫҢ ҚЫЗМЕТІ .....	253
<b>Желкайдарова Альфия Бахтыбаевна, Белых Виктория, Пак Диана, Ширалиева Афелия, Ратчина София (Шымкент, Қазақстан)</b>	
ЕСІМШЕЛЕРДІҢ МЕЗГІЛ БАҒЫНЫҒЫЛЫ СӨЙЛЕМ ЖАСАУҒА ҚАТЫСУЫ.....	257
<b>Лещенко Олена Павлівна, Плетньова Вероніка Олександрівна (Кам'янське, Україна)</b>	
ДОСЛІДЖЕННЯ ПАРАМЕТРІВ ІННОВАЦІЙ АНГЛІЙСЬКОЇ МОВИ ПОЧАТКУ XXI СТОЛІТТЯ .....	260
<b>Муханбетжан Т. (Қарағанда, Қазақстан)</b>	
ПЕДАГОГИЧЕСКИЕ УСЛОВИЯ ФОРМИРОВАНИЯ ЛЕКСИЧЕСКИХ НАВЫКОВ УЧАЩИХСЯ ПРИ ОБУЧЕНИИ АНГЛИЙСКОМУ ЯЗЫКУ .....	265
<b>Савченко Наталія Вікторівна (Кам'янське, Україна)</b>	
ПЕРЕКЛАД БЕЗЕКВІВАЛЕНТНОЇ ЛЕКСИКИ З АНГЛІЙСЬКОЇ МОВИ НА УКРАЇНСЬКУ: ПИТАННЯ ТЕОРІЇ ТА ПРАКТИКИ .....	270
<b>Сейтхожаева Махаббат Шайлаубаевна, Николенко Милена, Цыплакова Маргарита, Гребенюкова Анна, Маштакова Кристина (Шымкент, Қазақстан)</b>	
ЗАТ ЕСІМНІҢ ГРАММАТИКАЛЫҚ КАТЕГОРИЯЛАРЫ .....	277
<b>Тубажанов Ермек Махмутович, Бабжанова Анар Болаткановна (Алматы, Қазақстан)</b>	
ЮНУС ЕМРЕ ЕҢБЕКТЕРІНІҢ ЖАНРЛЫҚ БАҒЫТТАРЫ.....	281



**SECTION: SCIENCE OF LAW**

<b>Жаманкараева Галия Сейткримовна (Семей, Қазақстан)</b> ХАЛЫҚАРАЛЫҚ АДАМ ҚҰҚЫҒЫ ЖҮЙЕСІН ҚАЛЫПТАСТЫРУ ЖӘНЕ ДАМУЫНДАҒЫ НЕГІЗГІ МӘСЕЛЕЛЕР .....	286
<b>Жаманкараева Галия Сейткримовна (Семей, Қазақстан)</b> АДАМ ҚҰҚЫҚТАРЫ МЕН БОСТАНДЫҚТАРЫН ШЕКТЕУДІҢ НЕГІЗДЕРІ ЖӘНЕ КЕЙБІР МӘСЕЛЕЛЕР .....	291
<b>Жуманова Кундыз Тынышбековна (Семей, Қазақстан)</b> КӘМЕЛЕТКЕ ТОЛМАҒАНДАРДЫҢ ҚҰҚЫҚ БҰЗУШЫЛЫҒЫНЫҢ АЛДЫН АЛУ БҰЛ БОЛАШАҒЫМЫЗДЫҢ КЕПІЛІ .....	296
<b>Жуманова Кундыз Тынышбековна (Семей, Қазақстан)</b> ЖАСӨСПІРІМДЕР АРАСЫНДАҒЫ ҚҰҚЫҚ БҰЗУШЫЛЫҚ ПЕН ҚЫЛМЫСТЫҢ АЛДЫН-АЛУ БАСТЫ МІНДЕТ .....	300
<b>Сулейменова Гульжан Есентаевна (Астана, Қазақстан)</b> СУБСИДИАРНАЯ ОТВЕТСТВЕННОСТЬ КАК СПОСОБ УДОВЛЕТВОРЕНИЯ ТРЕБОВАНИЯ КРЕДИТОРОВ.....	303

UDC 504.6 (477)

**Nepsha Oleksandr, Donets Iryna, Khomotiuk Yurii,  
Koval Dmytro, Vinnichenko Olena  
Bogdan Khmelnytsky Melitopol State Pedagogical University  
(Zaporizhzhia, Ukraine)**

### FORMATION OF ENVIRONMENTAL POLICY IN UKRAINE

**Abstract.** *The article considers approaches to the definition of the term «environmental policy». The process of environmental policy formation at the state and regional levels in Ukraine is analysed.*

**Key words:** *environmental policy, state environmental policy, regional environmental policy, state, environmental protection.*

The modern literature distinguishes several levels of environmental policy: international, state (national), regional and local. Since environmental policy is implemented by actors at different levels and, accordingly, has its own specifics, approaches to the definition of environmental policy differ.

In the explanatory dictionary of ecology by M.M. Musienko, environmental policy is defined as «a system of measures related to the impact of society on nature» [1, p. 117].

The dictionary of O.G. Lanovenko and O.O. Ostapishina defines environmental policy as «a statement of an organisation about its intentions and principles related to its overall environmental performance, which serves as a basis for action and setting target and planned environmental indicators» and distinguishes three levels of environmental policy - global, regional, and state [2, p. 77-78].

Levandovskiy and others define environmental policy as «a system of concepts of principles, approaches, measures that determines the impact of society on the environment, tactics and strategy of environmentally balanced development» [3, p. 21].

According to Stephanie Safdie, «environmental policy is the action of a government or other influential entity, public or private, that implements measures aimed at reducing the impact on the environment caused by human activity» [4].

Ellen van Bueren's Encyclopedia Britannica defines environmental policy as «any action taken by a government, corporation, or other public or private organisation to address the impact of human activity on the environment, in particular those measures aimed at preventing or reducing the harmful effects of human activity on ecosystems» [5].

According to Olena Yatsenylo, environmental policy is the activity of society and the state aimed at: protecting and improving the state of the environment; effective combination of the functions of natural resources management and environmental protection; ensuring the environmental safety of citizens; introduction of non-waste, low-waste and environmentally friendly technologies; development of environmental education and awareness [6].

In 1992, during the United Nations Conference on Environment and Development in Rio de Janeiro, the Rio Declaration on Environment and Development was signed, which formulated the fundamental principles of sustainable development and environmental

protection. Significant damage to the environment can pose a threat to public health, the economy and even the basic functions of the state.

In the current socio-economic environment, much attention is paid to the problem of formulating and implementing environmental policy at the level of individual business entities, especially industrial enterprises, which make the main contribution to environmental pollution. In this case, we should speak of environmental policy as a set of intentions and principles regarding environmental performance, which is not only officially proclaimed but also creates the basis for further development of environmental goals and objectives.

Environmental policy is an important part of any state's policy. The elements of environmental policy are its principles, priorities, goals, actors, and implementation mechanisms. State environmental policy is based on certain political and socio-economic principles. Political principles in a state governed by the rule of law include the principles of democracy, transparency, voluntariness, activity and negotiation. Socio-economic principles: matching economic development and environmental capabilities, using the achievements of scientific and technological progress to solve environmental problems, regulating consumption, planning natural population growth.

The implementation of environmental policy principles is carried out using certain methods (mechanisms). There are different approaches to defining environmental policy methods. They can be divided into economic and non-economic (administrative) methods. Economic methods act as internal incentives for natural resource users, encouraging them to search for and implement environmentally friendly, resource-saving technologies. Administrative methods, which include legal and regulatory frameworks, a system of fines, environmental payments, and others, are external incentives for compliance with environmental requirements. In social ecology, there are technical and technological, economic, legislative and legal, political, and educational methods. Technical and technological methods mean the use of technical and technological solutions and means of environmental protection and development. Examples include the construction of gas and dust collection and treatment facilities at enterprises, the introduction of non-waste production, closed cycles, reconstruction and other ways to reduce the man-made impact on the environment. Legislative and legal mechanisms generally regulate the relations between the state, natural resource users of different levels and the environment. Political methods are manifested in the activities of such environmental policy actors as socio-political organisations and political parties [7].

According to O.S. Zarzhytskyi, «it is extremely important that the adoption and implementation of the state environmental policy is carried out in compliance with environmental, social, humanitarian, and environmental and legal principles of preservation, reproduction and improvement of the environment, safe and favourable for the health and life of Ukrainian citizens» [8, p. 8].

Environmental policy at the state level is formed by the Ministry of Environment and Natural Resources of Ukraine [6]. Its implementation is carried out at the international (global), state (national), regional (oblast) and local (city, village) levels.

In our country, environmental policy is defined by the Law of Ukraine «On the Basic Principles (Strategy) of the State Environmental Policy of Ukraine and the Period up to 2030» (the Law) of 28 February 2019. According to this Law, the goal of the state environmental policy

in Ukraine is to achieve a favourable state of the environment by introducing an ecosystem approach to all spheres of the country's socio-economic development, ensuring the constitutional right of every citizen of Ukraine to a safe environment for life and health, balanced use of natural resources, conservation and restoration of natural ecosystems [9].

The strategic goals of environmental policy in Ukraine are:

- 1) formation of environmental awareness, values and education among the population;
- 2) sustainable development and rational use of natural resources;
- 3) implementation of environmental requirements and standards in all areas of activity;
- 4) reducing environmental risks to ecological systems and public health;
- 5) development of the state legal system for the protection of environmental components [6].

In our country, the state environmental policy is formed by the Ministry of Environment and Natural Resources of Ukraine.

The process of formulating and implementing environmental policy involves the environmental users themselves, or the subjects of environmental policy. Environmental policy actors include: the state, economic and business entities, political parties, research institutions, public organisations and individuals. Recently, it has also been practiced to distinguish three sectors in social and environmental relations: the state, business, and the public. The degree of involvement of each of these actors varies depending on the political and economic attitudes of the society.

Regional environmental policy is a system of tasks and measures implemented by public authorities and local self-government bodies aimed at preserving the environment and ensuring environmentally safe living conditions for the population, using methods that take into account the specific characteristics of the territories [10].

According to O. Babych, «the implementation of regional environmental policy should meet the objectives of finding areas of extra-budgetary financing and using various sources of accumulation of public financial resources, in particular, sources of environmental funds, formation of the revenue side of local budgets through the issue of domestic government bonds, attraction of foreign investments, etc.» [11, p. 25].

In this regard, the formation of regional environmental policy is extremely important in modern conditions. Regional environmental policy is formed under the influence of the following factors: pollution accumulated over the previous period, the scale of which varies in different regions; priorities of the state environmental policy; state of the economy in the region; state of public health. In Ukraine, regional environmental policy is implemented by public authorities and local self-government bodies with the aim of preserving the environment and ensuring environmentally safe living conditions for the population using methods that take into account the specific characteristics of the territories.

## REFERENCES

1. Мусієнко М. М. та ін. Екологія: Тлумачний словник. К.: Либідь, 2004. 376 с.
2. Лановенко О.Г, Остапішина О.О. Словник-довідник з екології: Навчально-методичний посібник. Херсон: ПП Вишемирський В.С., 2013. 226 с.

3. Тлумачний словник екологічних термінів та понять, пов'язаних з охороною навколишнього середовища для студ. спец. 7.070801 «Екологія та охорона навколишнього середовища» /Уклад.: Л.В. Левандовський, Л.І. Танашук, Л.Ф. Степанець, В.Х. Суходол. К.: НУХТ, 2006. 61 с.
4. Stephanie Safdie. What is the Environmental Policy of the United States?12 May 2023.US Copywriter at Greenly. URL: <https://greenly.earth/en-gb/blog/ecology-news/what-is-the-environmental-policy-of-the-united-states> (дата звернення: 12.01.2024)
5. Ellen van Bueren. Environmental policy. Encyclopedia Britannica. URL: <https://www.britannica.com/topic/environmental-policy> (дата звернення: 12.01.2024)
6. Яценю Олена Екологічна політика України: цілі, напрями та інструменти реалізації URL::<https://ecopolitic.com.ua/ua/news/ekologichna-politika-ukraini-cili-napryami-ta-instrumenti-realizacii/>(дата звернення: 14.01.2024)
7. Драган І.В. Державне регулювання процесів забезпечення сталого природокористування в Україні: дис. ... доктора наук з державного управління; 25.00.02. Харків, 2021. 437 с.
8. Заржицький О.С. Актуальні проблеми правового забезпечення екологічної політики України (теоретичні аспекти): моногр. Д.: Національний гірничий університет, 2012. 200 с.
9. Закон України «Про Основні засади (стратегію) державної екологічної політики України та період до 2030 року» від 28 лютого 2019 року №2697-VIII URL: <https://ips.ligazakon.net/document/T192697?an=9> (дата звернення: 15.01.2024)
10. Державна регіональна політика України: особливості та стратегічні пріоритети: Монографія / за ред. З. С. Варналія. К.: НІСД, 2007. 820 с.
11. Бабич О. Право на безпечне довкілля у формуванні змісту регіональної екологічної політики. *Law. State. Technology*. 2023. №3. С. 22-27.

# ACTUAL SCIENTIFIC RESEARCH IN THE MODERN WORLD

January 2024

ISSUE 1(105)

Publisher allows authors to retain their copyrights.  
No part of the publications may be reproduced without prior permission of the Publisher.  
All authors take public responsibility for the content presented in the manuscript.

Executive Editor-in-Chief: PhD Oleh M. Vodiany  
Design: A. Vovkodav

Founders: Non-governemental organization «The Institute for social transformation»  
№1453789, 02/17/2016

Subscribe to print 04.02.2024.  
Format 60x84 1/16.  
Edition of 100 copies  
Printed by: sole proprietor "Kravchenko Ia.O."  
B01 №560015  
03039, Ukraine, Kyiv, prosp. V. Lobanovskogo, 119  
phone. +38 (044) 561-95-31

Editorial board address:  
08400, Ukraine, Kyiv Region, Pereiaslav,  
Bohdana Khmel'nitskogo str, 18  
phone: +38 (063) 5881858  
<https://iscience.in.ua>  
e-mail: [iscience.in.ua@gmail.com](mailto:iscience.in.ua@gmail.com)

