ҚАЗАҚСТАН РЕСПУБЛИКАСЫ ҰЛТТЫҚ ҒЫЛЫМ АКАДЕМИЯСЫНЫҢ

ХАБАРШЫСЫ

ВЕСТНИК

НАЦИОНАЛЬНОЙ АКАДЕМИИ НАУК РЕСПУБЛИКИ КАЗАХСТАН

THE BULLETIN

THE NATIONAL ACADEMY OF SCIENCES OF THE REPUBLIC OF KAZAKHSTAN

PUBLISHED SINCE 1944

JANUARY - FEBRUARY 2020



NAS RK is pleased to announce that Bulletin of NAS RK scientific journal has been accepted for indexing in the Emerging Sources Citation Index, a new edition of Web of Science. Content in this index is under consideration by Clarivate Analytics to be accepted in the Science Citation Index Expanded, the Social Sciences Citation Index, and the Arts & Humanities Citation Index. The quality and depth of content Web of Science offers to researchers, authors, publishers, and institutions sets it apart from other research databases. The inclusion of Bulletin of NAS RK in the Emerging Sources Citation Index demonstrates our dedication to providing the most relevant and influential multidiscipline content to our community.

Қазақстан Республикасы Ұлттық ғылым академиясы "ҚР ҰҒА Хабаршысы" ғылыми журналының Web of Science-тің жаңаланған нұсқасы Emerging Sources Citation Index-те индекстелуге қабылданғанын хабарлайды. Бұл индекстелу барысында Clarivate Analytics компаниясы журналды одан әрі the Science Citation Index Expanded, the Social Sciences Citation Index және the Arts & Humanities Citation Index-ке қабылдау мәселесін қарастыруда. Web of Science зерттеушілер, авторлар, баспашылар мен мекемелерге контент тереңдігі мен сапасын ұсынады. ҚР ҰҒА Хабаршысының Emerging Sources Citation Index-ке енуі біздің қоғамдастық үшін ең өзекті және беделді мультидисциплинарлы контентке адалдығымызды білдіреді.

НАН РК сообщает, что научный журнал «Вестник НАН РК» был принят для индексирования в Emerging Sources CitationIndex, обновленной версии Web of Science. Содержание в этом индексировании находится в стадии рассмотрения компанией Clarivate Analytics для дальнейшего принятия журнала в the Science Citation Index Expanded, the Social Sciences Citation Index и the Arts & Humanities Citation Index. Web of Science предлагает качество и глубину контента для исследователей, авторов, издателей и учреждений. Включение Вестника НАН РК в Emerging Sources Citation Index демонстрирует нашу приверженность к наиболее актуальному и влиятельному мультидисциплинарному контенту для нашего сообщества.

Бас редакторы

х.ғ.д., проф., ҚР ҰҒА академигі

М.Ж. Жұрынов

Редакция алқасы:

Абиев Р.Ш. проф. (Ресей)

Абишев М.Е. проф., корр.-мушесі (Қазақстан)

Аврамов К.В. проф. (Украина)

Аппель Юрген проф. (Германия)

Баймуқанов Д.А. проф., корр.-мүшесі (Қазақстан)

Байтулин И.О. проф., академик (Қазақстан)

Банас Иозеф проф. (Польша)

Берсимбаев Р.И. проф., академик (Қазақстан)

Велесько С. проф. (Германия)

Велихов Е.П. проф., РҒА академигі (Ресей)

Гашимзаде Ф. проф., академик (Әзірбайжан)

Гончарук В.В. проф., академик (Украина)

Давлетов А.Е. проф., корр.-мүшесі (Қазақстан)

Джрбашян Р.Т. проф., академик (Армения)

Калимолдаев М.Н. проф., академик (Қазақстан), бас ред. орынбасары

Лаверов Н.П. проф., академик РАН (Россия)

Лупашку Ф. проф., корр.-мүшесі (Молдова)

Мохд Хасан Селамат проф. (Малайзия)

Мырхалықов Ж.У. проф., академик (Қазақстан)

Новак Изабелла проф. (Польша)

Огарь Н.П. проф., корр.-мүшесі (Қазақстан)

Полещук О.Х. проф. (Ресей)

Поняев А.И. проф. (Ресей)

Сагиян А.С. проф., академик (Армения)

Сатубалдин С.С. проф., академик (Қазақстан)

Таткеева Г.Г. проф., корр.-мүшесі (Қазақстан)

Умбетаев И. проф., академик (Қазақстан)

Хрипунов Г.С. проф. (Украина)

Юлдашбаев Ю.А. проф., РҒАакадемигі (Ресей)

Якубова М.М. проф., академик (Тәжікстан)

«Қазақстан Республикасы Ұлттық ғылым академиясының Хабаршысы».

ISSN 2518-1467 (Online), ISSN 1991-3494 (Print)

Меншіктенуші: «Қазақстан Республикасының Ұлттық ғылым академиясы»РҚБ (Алматы қ.).

Қазақстан республикасының Мәдениет пен ақпарат министрлігінің Ақпарат және мұрағат комитетінде 01.06.2006 ж. берілген №5551-Ж мерзімдік басылым тіркеуіне қойылу туралы куәлік.

Мерзімділігі: жылына 6 рет.

Тиражы: 2000 дана.

Редакцияның мекенжайы: 050010, Алматы қ., Шевченко көш., 28, 219 бөл., 220, тел.: 272-13-19, 272-13-18, http://www.bulletin-science.kz/index.php/en/

© Қазақстан Республикасының Ұлттық ғылым академиясы, 2020

Главный редактор

д.х.н., проф. академик НАН РК

М.Ж. Журинов

Редакционная коллегия:

Абиев Р.Ш. проф. (Россия)

Абишев М.Е. проф., член-корр. (Казахстан)

Аврамов К.В. проф. (Украина)

Аппель Юрген проф. (Германия)

Баймуканов Д.А. проф., чл.-корр. (Казахстан)

Байтулин И.О. проф., академик (Казахстан)

Банас Иозеф проф.(Польша)

Берсимбаев Р.И. проф., академик (Казахстан)

Велесько С. проф. (Германия)

Велихов Е.П. проф., академик РАН (Россия)

Гашимзаде Ф. проф., академик (Азербайджан)

Гончарук В.В. проф., академик (Украина)

Давлетов А.Е. проф., чл.-корр. (Казахстан)

Джрбашян Р.Т. проф., академик (Армения)

Калимолдаев М.Н. академик (Казахстан), зам. гл. ред.

Лаверов Н.П. проф., академик РАН (Россия)

Лупашку Ф. проф., чл.-корр. (Молдова)

Мохд Хасан Селамат проф. (Малайзия)

Мырхалыков Ж.У. проф., академик (Казахстан)

Новак Изабелла проф. (Польша)

Огарь Н.П. проф., чл.-корр. (Казахстан)

Полещук О.Х. проф. (Россия)

ПоняевА.И. проф. (Россия)

Сагиян А.С. проф., академик (Армения)

Сатубалдин С.С. проф., академик (Казахстан)

Таткеева Г.Г. проф., чл.-корр. (Казахстан)

Умбетаев И. проф., академик (Казахстан)

Хрипунов Г.С. проф. (Украина)

Юлдашбаев Ю.А. проф., академик РАН (Россия)

Якубова М.М. проф., академик (Таджикистан)

«Вестник Национальной академии наук Республики Казахстан».

ISSN 2518-1467 (Online), ISSN 1991-3494 (Print)

Собственник: РОО «Национальная академия наук Республики Казахстан» (г. Алматы).

Свидетельство о постановке на учет периодического печатного издания в Комитете информации и архивов Министерства культуры и информации Республики Казахстан №5551-Ж, выданное 01.06.2006 г.

Периодичность: 6 раз в год. Тираж: 2000 экземпляров.

Адрес редакции: 050010, г. Алматы, ул. Шевченко, 28, ком. 219, 220, тел. 272-13-19, 272-13-18.

www: nauka-nanrk.kz, bulletin-science.kz

© Национальная академия наук Республики Казахстан, 2020

Editor in chief

doctor of chemistry, professor, academician of NAS RK

M.Zh. Zhurinov

Editorialboard:

Abiyev R.Sh. prof. (Russia)

Abishev M.Ye. prof., corr. member. (Kazakhstan)

Avramov K.V. prof. (Ukraine)

Appel Jurgen, prof. (Germany)

Baimukanov D.A. prof., corr. member. (Kazakhstan)

Baitullin I.O. prof., academician (Kazakhstan)

Joseph Banas, prof. (Poland)

Bersimbayev R.I. prof., academician (Kazakhstan)

Velesco S., prof. (Germany)

Velikhov Ye.P. prof., academician of RAS (Russia)

Gashimzade F. prof., academician (Azerbaijan)

Goncharuk V.V. prof., academician (Ukraine)

Davletov A.Ye. prof., corr. member. (Kazakhstan)

Dzhrbashian R.T. prof., academician (Armenia)

Kalimoldayev M.N. prof., academician (Kazakhstan), deputy editor in chief

Laverov N.P. prof., academicianof RAS (Russia)

Lupashku F. prof., corr. member. (Moldova)

Mohd Hassan Selamat, prof. (Malaysia)

Myrkhalykov Zh.U. prof., academician (Kazakhstan)

Nowak Isabella, prof. (Poland)

Ogar N.P. prof., corr. member. (Kazakhstan)

Poleshchuk O.Kh. prof. (Russia)

Ponyaev A.I. prof. (Russia)

Sagiyan A.S. prof., academician (Armenia)

Satubaldin S.S. prof., academician (Kazakhstan)

Tatkeyeva G.G. prof., corr. member. (Kazakhstan)

Umbetayev I. prof., academician (Kazakhstan)

Khripunov G.S. prof. (Ukraine)

Yuldashbayev Y.A., prof., academician of RAS (Russia)

Yakubova M.M. prof., academician (Tadjikistan)

Bulletin of the National Academy of Sciences of the Republic of Kazakhstan.

ISSN 2518-1467 (Online),

ISSN 1991-3494 (Print)

Owner: RPA "National Academy of Sciences of the Republic of Kazakhstan" (Almaty).

The certificate of registration of a periodic printed publication in the Committee of Information and Archives of the Ministry of Culture and Information of the Republic of Kazakhstan N 5551-Ж, issued 01.06.2006.

Periodicity: 6 times a year. Circulation: 2000 copies.

Editorial address: 28, Shevchenko str., of. 219, 220, Almaty, 050010, tel. 272-13-19, 272-13-18,

http://nauka-nanrk.kz/, http://bulletin-science.kz

© National Academy of Sciences of the Republic of Kazakhstan, 2020

Address of printing house: «NurNaz GRACE», 103, Ryskulov str, Almaty.

BULLETIN OF NATIONAL ACADEMY OF SCIENCES OF THE REPUBLIC OF KAZAKHSTAN

ISSN 1991-3494

Volume 1, Number 383 (2020), 178 – 181

https://doi.org/10.32014/2020.2518-1467.22

UDC 342.552 IRSTI 10.15.33

V. V. Naumkina

Katanov Khakass State University, Abakan, Russia. E-mail: naumkina_vv@khsu.ru

THE MODEL STATUS OF THE HEAD OF THE SUBJECT OF THE RUSSIAN FEDERATION

Abstract. The relevance of the topic is determined that the highest official of the subject of the Russian Federation are central in the system of regional public authorities and has a significant impact on the performance of Federal state functions. The Federal structure of the Russian Federation provides for different levels of governance.

The effectiveness of solving state problems depends on the quality of management in the regions. The legislation defines only the basic principles of the requirement of the organization of power in the subject of the Russian Federation. Subject of the Russian Federation can regulate the organization of management. Federal legislation provides the subjects of the Russian Federation with relative freedom in determining the system, structure, order of formation and functioning of the Executive power. The subjects of the Russian Federation are different models of governance, which determine the status of the head of the subject of the Russian Federation. The article identifies two models for realizing the principle of separation of powers in the subjects of the Russian Federation.

The place of the head of the subject of the Russian Federation in the power system is considered from the position of the scope of powers. The article describes the status of the head of the subject of the Russian Federation when using different models, highlights the features of organizational models. The practical application of the management model depends on the characteristics of the territory (area, population, socio-economic situation). In contrast to the Federal model, the head of a subject of the Russian Federation in fact included in the system of Executive power regardless of the model. The article deals with discussion issues. The article highlights the main disadvantages and offers suggestions on the advantages of models.

Key words: Federal structure, legislation of the subject of the Russian Federation, the highest official, the head of the subject of the Russian Federation, the system of Executive power.

The relevance of the topic. The Federal system is used in less than 10% of the countries of the world. The Federal structure assumes the presence of a complex system of management, the separation of powers between levels of government. In the Russian Federation the legislator establishes only the basic principles of the organization of management in subjects of the Russian Federation, providing thus the opportunity independently on places to regulate some questions.

Therefore, in the subjects of the Russian Federation there are different models of management. Management issues in the subject of the Russian Federation in the scientific literature are considered from the position of organizational aspect [2,4,5] and functional aspect [3,4,7]. The aim of the study is to highlight the features of the position of the highest official in the system of state power of the subject of the Russian Federation under different organizational models.

Materials and methods of research. The method of analysis of the legislation of subjects of the Russian Federation and existing practice was used. The research was conducted using legislation and scientific papers on the research topic.

Research results. On the example of the Siberian Federal District, organizational models of the status of the head of the subject of the Russian Federation were identified.

ISSN 1991-3494 1. 2020

The status of the highest official of the subject of the Russian Federation is not fully regulated. In addition, to allocate as an independent position – the position of the head of the highest executive body of state power of the subject of the Russian Federation, working on a professional competitive basis.

The management system in the Russian Federation is under reform. The basic principles of governance were laid down in the Constitution of the Russian Federation. Until 1999, the subjects of the Russian Federation, independently determined the management system, based on constitutional principles. After the adoption of the Federal law «On General principles of organization of legislative (representative) and executive bodies of state power of the subjects of the Russian Federation» dated 06.10.1999 (hereinafter the Federal law «On General principles...»), the process of unification of management began. The Federal law established the general principles of the organization of state power of the subjects of the Russian Federation. The change of the Federal legislation testifies to reduction of independence of the subject of the Russian Federation in the decision of organizational questions of management [2,5,6].

The provisions of the law allow the subjects of the Russian Federation to take into account regional peculiarities. The scientific literature suggests that with the adoption of this law there was a strengthening of the vertical of power and as a consequence it affected the degree of independence of the regions in determining the management structure [5, p.93]. Despite the presence of Federal regulations, the structure of Executive power in the subjects of the Russian Federation is very diverse both in organizational and functional sense. There are different approaches in determining the status of the higher official of the subject of the Russian Federation (hereinafter the head of the subject of the Russian Federation) in the system of authorities of subjects of the Russian Federation. And also, the structure by types of bodies and a combination of powers differs [7, p.139].

The legislation of the Russian Federation ambiguously fixes existence of a post of the head of the subject of the Russian Federation. So, according to article 2 of the Federal law «On General principles...» the position of the higher official of the subject of the Russian Federation may be established by Constitution of the subject of the Russian Federation. The legislator doesn't include this position in the number of mandatory. Besides, this position is not specified in the List of standard state positions of subjects of the Russian Federation approved by the decree of the President of the Russian Federation of 04.12.2009 № 1381 «About standard state positions of subjects of the Russian Federation».

According to article 17, paragraph 4 «the structure of executive bodies of state power of a subject of the Russian Federation is determined by the highest official of the subject of the Russian Federation (head of higher executive body of state power of a subject of the Russian Federation) in accordance with the Constitution (Charter) of the subject of the Russian Federation». Thus, in the absence of this official, the question arises: «what body or official will be determine and / or change the structure of the Executive power?». In practice, the position of the highest official is provided in all subjects of the Russian Federation.

The fundamental principle of the organization of power is the principle of separation of powers [1, p.278]. In contrast to the Federal model of management, in the subjects of the Russian Federation the highest official is part of the Executive power system. The Federal law uses the following construction «the highest official of the subject of the Russian Federation (head of higher executive body of state power of a subject of the Russian Federation)». Based on generally accepted rules of legal technique, the terms «the highest official of the Russian Federation subject» and «the head of the higher executive body of state power of a subject of the Russian Federation» are equivalent in this legal act. In fact, the legislator includes the head of the region in the system of Executive power of the subject of the Russian Federation as a head.

The status of the head of the Russian Federation subject in the Executive power of the Russian Federation varies. In the subjects of the Russian Federation, the following options are used.

- 1. Combination of two positions (the head of the region and the head of Executive power). The title indicates the double status of the head of the subject of the Russian Federation and the head of the executive body of the subject of the Russian Federation (for example, the Head of the Republic of Khakassia The Chairman of the Government of the Republic of Khakassia; Altai territory Governor, the Chairman of the Government of the Altai territory);
- 2. The head is included in the system of Executive power, while the functions of the head of the highest executive body are performed by the first Deputy head of the subject of the Russian Federation (for example, Krasnoyarsk territory, Irkutsk region).

The first variant involves direct leadership of the highest executive body of the subject of the Russian Federation. In the second variant, another official performs the management function of the Executive power of the subject. At the same time, the head of the subject of the Russian Federation retains «leverage», because the head of the executive body is directly subordinate to the highest official of the subject of the Russian Federation.

Analyzing the status of the head of the subject of the Russian Federation, V. A. Hmara and E. A. Psarev come to the following conclusion. Direct inclusion of the head of the subject of the Russian Federation in the highest executive body as the head «provides centralization of the power and is characteristic for mobilization or «manual» type of management» [4, p.373]. Another variant, providing for a special post of the head of the executive body of the subject of the Russian Federation, «leaves more opportunities for separation of powers, specialization in management and seems more promising» [4, p.373]. In large subjects of the Russian Federation, the second variant is more preferable, since it allows to distribute the authority to manage the subject of the Russian Federation.

Allocation of a separate position of the head of the highest executive body of the subject of the Russian Federation allows to appoint the head proceeding from professional qualities and experience. The position of the head of the subject of the Russian Federation is elective. Therefore, the scientific literature discusses the need to refuse the election and appointment of the head to the post [8]. Therefore, the requirements for the presence of experience in the field of management or economic activity to the candidate for the post of head of the subject of the Russian Federation can't be presented. When using the second variant, possibly appoint a head based not on party or other political preferences, but on professional characteristics, taking into account the existing experience of economic or managerial activities. Thus, the elected head will be able to concentrate the efforts on other directions of work.

В. В. Наумкина

Н. Ф. Катанов атындағы Хакасия мемлекеттік университеті, Абақан, Ресей

РЕСЕЙ ФЕДЕРАЦИЯСЫ СУБЪЕКТІСІНІҢ БАСШЫСЫ МӘРТЕБЕСІНІҢ МОДЕЛЬДЕРІ

В. В. Наумкина

Хакасский государственный университет им. Н. Ф. Катанова, Абакан, Россия

МОДЕЛИ СТАТУСА ГЛАВЫ СУБЪЕКТА РОССИЙСКОЙ ФЕДЕРАЦИИ

Аннотация. Актуальность темы обусловлена тем, что высшее должностное лицо субъекта Российской Федерации занимает центральное место в системе региональных органов государственной власти и оказывает существенное влияние на выполнение общефедеральных государственных функций. Федеративное устройство Российской Федерации предусматривает наличие разных уровней управления.

Эффективность решения государственных задач во много зависит от качества управления в регионах. Законодательство определяет только основные принципы требования организации власти в субъекте Российской Федерации. Регионам предоставляется право регулировать вопросы организации управления.

Федеральное законодательство предоставляет субъектам РФ относительную свободу в определении системы, структуры, порядка формирования и функционирования исполнительной власти. В субъектах РФ используются разные модели организации управления, которые определяют статус Главы субъекта РФ. В статье выделяется две модели реализации принципа разделения властей в субъектах Российской Федерации.

Место Главы субъекта РФ в системе власти рассматривается с позиции объема полномочий. В статье дается характеристика статуса Главы при использовании различных моделей, выделяются особенности организационных моделей. Практическое применение модели управления зависит особенностей территории (площади, численности населения, социально-экономического положения). В отличие от федеральной модели, Глава субъекта Российской Федерации фактически включен в систему исполнительной власти независимо от модели.

ISSN 1991-3494 1. 2020

Выделение отдельной должности руководителя высшего исполнительного органа субъекта Российской Федерации позволяет назначать руководителя исходя из профессиональных качеств и опыта. Должность главы субъекта Российской Федерации является выборной. Поэтому в научной литературе обсуждается необходимость отказаться от избрания и назначения руководителя на должность [8]. Поэтому требования к наличию опыта работы в сфере управления или хозяйственной деятельности кандидату на должность главы субъекта Российской Федерации не могут быть представлены. Также возможно назначение руководителя исходя не из партийных или иных политических предпочтений, а по профессиональным характеристикам, с учетом существующего опыта хозяйственной или управленческой деятельности. Таким образом, избранный руководитель сможет сосредоточить свои усилия на других направлениях работы.

В статье рассматриваются дискуссионные вопросы, а также выделяются основные недостатки и формулируются предложения о преимуществах моделей.

Ключевые слова: федеративное устройство, законодательство субъекта РФ, высшее должностное лицо, глава субъекта РФ, система исполнительной власти.

Information about author:

Naumkina V. V., Doctor of Sciences (Law), professor of Chair of Public Law, Director of Institute of History and Law Katanov Khakass State University, Abakan, Russia; naumkina_vv@khsu.ru; https://orcid.org/0000-0001-6169-5860

REFERENCES

- [1] Ayupova Z.K., Kussainov D.U. (2017). To the problem of formation of law-abiding state in the republic of Kazakhstan. Bulletin of national academy of sciences of the republic of Kazakhstan. 365: 276–281 (in Russ.).
- [2] Chernova E.R. (2015). Legal regulation of the organization of Executive authorities of subjects of the Russian Federation. Innovative science 10-2: 202-204 (in Russ.).
- [3] Demidov M.V. (2014). Legislative and Executive Bodies of the Russian Federation Entities: Peculiarities of the Constitutional and Legal Status and Activities. Constitutional and municipal law 4: 32-36 (in Russ.).
- [4] Hmara V.A., Psarev E.A. (2017). The system and structure of executive authorities of constituent entities of the Russian Federation (the North-West federal district). Baltic humanitarian journal. T.6. 3(20): 372-374 (in Russ.).
- [5] Maliy A.F., Solomonov P.N. (2018). Application of separation of the authority principle in the organizational structure of the Russian Federation subject. Eurasian bar. 2(33): 93-95 (in Russ.).
- [6] Malyi A.F. (2013). The Principles of Organization of Public Authorities the Federal Subjects of Russia. Scientific notes of Kazan University. Humanities. T. 155. 4: 55-61 (in Russ.).
- [7] Smelov S.A. (2015). The design of the system and structure of executive bodies of state power of subjects of the Russian Federation. Academic notes of the faculty of law. 38 (48): 139-145(in Russ.).
- [8] Tikhonov K.A. (2019). Expedient refusal from direct elections and introduction of the system of heads of subjects of the Russian Federation appointment. Bulletin of the Saratov state law Academy. 2(127): 118-125 (in Russ.).

Publication Ethics and Publication Malpractice in the journals of the National Academy of Sciences of the Republic of Kazakhstan

For information on Ethics in publishing and Ethical guidelines for journal publication see http://www.elsevier.com/publishingethics and http://www.elsevier.com/journal-authors/ethics.

Submission of an article to the National Academy of Sciences of the Republic of Kazakhstan implies that the described work has not been published previously (except in the form of an abstract or as part of a academic thesis published lecture or as electronic preprint, see http://www.elsevier.com/postingpolicy), that it is not under consideration for publication elsewhere, that its publication is approved by all authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in English or in any other language, including electronically without the written consent of the copyrightholder. In particular, translations into English of papers already published in another language are not accepted.

No other forms of scientific misconduct are allowed, such as plagiarism, falsification, fraudulent data, incorrect interpretation of other works, incorrect citations, etc. The National Academy of Sciences of the Republic of Kazakhstan follows the Code of Conduct of the Committee on Publication Ethics (COPE), and follows the COPE Flowcharts for Resolving Cases of Suspected Misconduct (http://publicationethics.org/files/u2/New_Code.pdf). To verify originality, your article may be checked by the Cross Check originality detection service http://www.elsevier.com/editors/plagdetect.

The authors are obliged to participate in peer review process and be ready to provide corrections, clarifications, retractions and apologies when needed. All authors of a paper should have significantly contributed to the research.

The reviewers should provide objective judgments and should point out relevant published works which are not yet cited. Reviewed articles should be treated confidentially. The reviewers will be chosen in such a way that there is no conflict of interests with respect to the research, the authors and/or the research funders.

The editors have complete responsibility and authority to reject or accept a paper, and they will only accept a paper when reasonably certain. They will preserve anonymity of reviewers and promote publication of corrections, clarifications, retractions and apologies when needed. The acceptance of a paper automatically implies the copyright transfer to the National Academy of Sciences of the Republic of Kazakhstan.

The Editorial Board of the National Academy of Sciences of the Republic of Kazakhstan will monitor and safeguard publishing ethics.

Правила оформления статьи для публикации в журнале смотреть на сайте:

www:nauka-nanrk.kz

ISSN 2518-1467 (Online), ISSN 1991-3494 (Print)

http://www.bulletin-science.kz/index.php/en/

Редакторы М. С. Ахметова, Т. А. Апендиев, Д. С. Аленов Верстка на компьютере Д. А. Абдрахимовой

Подписано в печать 10.02.2020. Формат 60х881/8. Бумага офсетная. Печать – ризограф. 19,5 п.л. Тираж 500. Заказ 1.