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**COMBINATION OF INTENSIVE AND SYSTEMIC COMPREHENSIVE
APPROACHES IN THE ANALYSIS OF REGIONAL INNOVATION ACTIVITY**

The modern demands for the development of the Russian economy are focused on fostering innovation within regional economies to enhance the competitiveness of regions. Considering the current economic and political realities, one of the key tasks in transitioning to innovation-driven development is the continuous improvement of the material and technical base, the adoption of new technologies, and the modernization of production processes by applying contemporary methods and approaches. During the implementation, a comprehensive assessment of regional innovative activity was carried out in a combination of two approaches, an intensive and systematic approach to their production at the level of social processes of reproduction and increasing innovative activity. Innovation activity indicators have been grouped, factors influencing innovation activity identified, and a novel definition of innovation activity as an economic category has been proposed by the authors. For effective management of innovation development, a key element is the establishment of a system of indicators that allows for comparative analysis with other regions. The study includes an analysis of indicators related to innovation development, such as the volume of innovative goods, services, and works produced, and expenditures on innovation activities from budgets at all levels. The structure of expenditures by types of innovation activities has been determined, including the distribution of expenditures, the distribution of organizations across different types of innovation activities, and an analysis of economic entities and types of innovation infrastructure: clusters; technology parks; business incubators; special economic zones; and territories of advanced development. Innovation activity impacts not only innovation processes but also represents one of the key trends in economic development. Consequently, this trend serves as a necessary condition and material-technical foundation for innovations, contributing to a significant increase in innovation activity.

The research was conducted based on materials from the regions of the Southern Federal District.

Keywords: innovation activity, approaches, regional analysis, systemic approach, intensive approach, technologies.

2030

2036

50-60 %,
35-50 %, 1,5 %
4,5-5 % [1,2].

2030

197

... [3, 4, 5, 6, 7].

[6, 7, 8, 9, 10].

... [11, 12, 13, 14, 15].

... [14].

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2022 I. % *

	9.4	42.2	22.2	50.0	5.6	25.6	37.8
	13.6	33.3	-	66.7	-	33.3	-
	—	—	—	—	—	—	—
	10,4	80,0	40,0	—	40,0	60,0	60,0
	19,1	36,4	15,2	39,4	24,2	36,4	27,3
	13,3,	50,0	—	—	25,0	75,0	50,0
	14,7	33,3	60,0	13,3	20,0	33,3	20,0
	5,2	34,5	62,1	10,3	27,6	37,9	24,1
	6,3	—	100	—	—	—	—

* [28, 29].

1
80 %, 40 %, 60 %.

60

(.2).

2.
2020-2023 *

	2020	2021	2022	2023	2024
, %	2,3	2,0	2,1	3,1	3,8
, %	10,8	11,9	11,0	12,2	14,1
, %	1,1	1,0	0,94	1,4	2,1

* [23].

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3.

2022

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	253 724,0	3,8
	6 102,3	6,7
	—	0,3
	3 398,0	1,1
	30 851,9	1,1
	499,6	0,1
	33 836,4	3,3
	177 320,1	10,3
	—	3,8

* [23].

200

5.

2022 *

	-		-
	,		
	19,4	13,7	5,7
	0,8	—	0,8
	13,5	—	—
	37,4	28,1	6,6
	2,3	1,9	0,4
	1,7	1,0	—
	21,2	12,2	9,0
	30,6	21,5	9,2
	6,0	—	—

* [17].

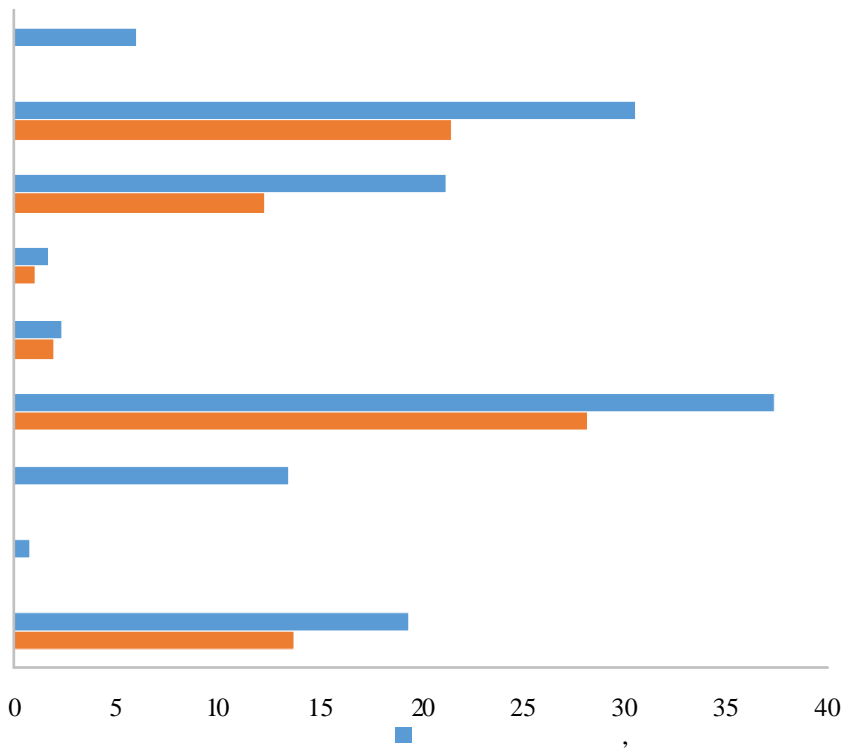
37,4%

,30,6%

,0,8%

,1,7%

2022 (. 1).



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2022 ([17]).

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2022

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	99 271,8	1,5
	225,6	0,2
	—	0,2
	3 956,4	1,3
	36 550,6	1,3
	474,0	0,1
	4 995,8	0,5
	5 182,5	3,0
	—	2,8

* [23].

1,5 % 6 3 %, 2,8 %, 0,2 %
 1,6 %, 0,9 %, 2,1 %, 3,4 %, 2,4 %, 2,3 %, 1,5 %, 1,2 %, 2,9 % [23].

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	253724,0	99271,8	2.56
	6102,3	255,6	23.87
	—	—	—
	3398,0	3958,4	0.86
	30851,9	36550,6	0.84
	499,6	474,0	1.05
	33836,4	4995,8	6.77
	177320,1	51825,5	3.42
	—	—	—

* [23].

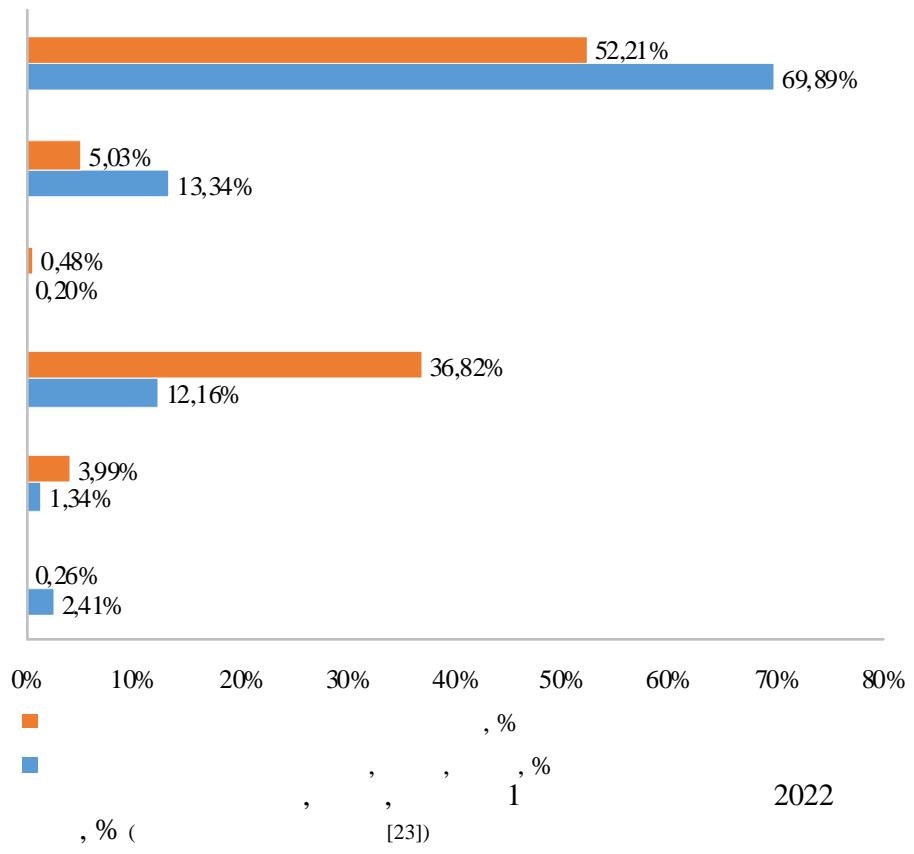
7

2,56

2017 2022

9.

9



.2. 8. 2022, %* 2017

	2017	2018	2019	2020	2021	2022
	12.5	8.2	4.4	8.9	7.8	7.5
	5.8	5.6	1.5	2.8	2.6	2.7
	8.7	7.2	4.6	4.8	6.8	6.0
	12.6	8.9	4.3	5.3	6.3	5.0
	11.4	10.4	7.2	5.3	7.7	6.1
	10.1	8.0	4.9	7.7	8.8	8.2
	14.6	13.2	17.6	13.8	27.6	26.4
	10.6	12.6	6.0	17.6	10.2	7.8

* [25].

[26.27].

2022

2019-2023 (.10).

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2019

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11, , 11.

2019-2023

10.

, 2019-2023 .*

	2019	2020	2021	2022	2023	2023 2019, + / -
	0,91	0,80	0,84	0,79	0,91	0,00
	0,26	0,06	0,41	0,28	0,26	0,00
	0,84	0,37	0,26	0,41	0,34	-0,50
	0,30	0,34	0,47	0,35	0,35	+0,05
	0,86	0,81	0,85	0,85	1,00	+0,14
	0,68,	0,67	0,72	0,87	0,82	+0,14
	1,10	1,04	1,19	0,93	1,17	+0,07
	1,28	0,98	0,87	0,87	1,03	-0,15
	0,86	0,89	1,10	0,94	0,80	-0,06

* [28].

II.

2019-2023

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	2019	2020	2021	2022	2023	2019 2023, + / -
	1,28	1,19	1,17	1,14	1,28	0,00
	0,35	0,13	0,50	3,37	0,38	+0,03
	0,92	0,41	0,37	0,59	0,45	- 0,47
	0,76	0,73	0,76	0,58	0,62	- 0,14
	1,13	1,06	1,13	1,17	1,34	+0,23
	1,03	0,96	0,95	1,12	1,14	+0,11
	1,69	1,81	1,81	1,67	1,65	- 0,04
	1,64	1,44	1,18	1,16	1,48	- 0,16
	1,29	1,20	1,39	1,25	1,30	+ 0,01

* [28].

2023 2019

+0,03.

-0,14,

-0,04,

-0,16.

0,47,

+0,01,

+0,11.

) 2023

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45,

287,

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78,

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1. 2030 2036 :
07.05.2024 309. — URL: kremlin.ru/events/president/news/
73986 (:20.08.2024).
2. 2030 :
20 2024 1315- . — URL: docs.cntd.ru/document/1301657597 (:
13.08.2024).
3. , . . : / . . ,
. . . // . — 2017. — 9(227). — .97-104. — EDN YPOWXF.
4. , . . // / . . , . . . // -
: , , . — 2015. — 2(31). — .108-114. — EDN VNZDMP.
5. . . . — . — ., 2008. —
.97-104.
6. , . . / . . // : , , . — 2021. —
1(52). — .126-132. — DOI 10.22394/1997-4469-2021-52-1-126-132. — EDN AUTHCF.
7. / . . // - :
. — 2023. — .15, 5. — EDN HBGYWG.
8. , . . / . . , . . . //
. — 2020. — 7-1. — .229-238. — DOI 10.17513/vaael.1231. — EDN ANKZZD.
9. , . . : — / . . -
// : : . — 2020. —
3. — .7-18. — DOI 10.24143/2073-5537-2020-3-7-18. — EDN JXQERF.
10. , . . :
/ . . , . . // : . — 2023. — 6-1(100). —
.95-101. — DOI 10.24412/2411-0450-2023-6-1-95-101. — EDN KLGVSP.
11. / . . // . — 2022. — .3, 7. — .285-289. — DOI
10.47576/2712-7516_2022_7_3_285. — EDN OCLEAO.
12. , . . / . . ,
. . . // . : . — 2022. —
.59. — .137-157. — DOI 10.17223/19988648/59/9. — EDN AICBUA.

13. / // . —
2023. — .19, 3. — .192-200. — EDN OBVRFF.
14. / // 1:
—2012. — 1(1). — .39-44. — EDN PLXAJL.
15. / //
—2020. — 4(36). — .257-266. — EDN QMHPHK.
16. / // . —
2021. — .29, 4. — .59-67. — DOI 10.36622/VSTU.2021.91.94.006. — EDN HDEIQH.
17. / // . —2011. — .5, 2. — .16-32. — DOI 10.17323/1995-459X.2011.2.16.32. — EDN NURGNZ.
18. / // . —2023. — 8-1. — .99-103. — DOI 10.17513/vaael.2942. — EDN ELMXLY.
19. / // . —2021. — .14, 3. — .86-101. — DOI 10.18721/JE.14307. — EDN MOYNQM.
20. / // . —2021. — .18, 3. — .462-473. — DOI 10.31063/2073-6517/2021.18-3.10. — EDN DYGEEV.
21. / // . —2022. — .19, 5. — .35-47. — DOI 10.21686/2500-3925-2022-5-35-47. — EDN THDRUV.
22. / // . —2022. — 8(145). — .1335-1339. — DOI 10.34925/EIP.2022.145.8.274. — EDN KDDMLO.
23. / // . —2024. — 260 . — ISBN 7598-3014-6 (.).
24. Mukhamedzhanova, A. A. Innovative development of the regions of Kazakhstan in the post COVID period on the example of Nur-Sultan / A. A. Mukhamedzhanova, E. M. Yeralina, K. S. Mukhambedyarova // . —2021. — No. 4(92). — P. 28-32. — DOI 10.46914/1562-2959-2021-1-4-28-32. — EDN YIPNBE.
25. / // . —2022. — 5-2. — .314-320. — DOI 10.25806/uu5-22022314-320. — EDN ROVQUI.
26. / // (.). —2021. — .12, 2. — .145-159. — DOI 10.18184/2079-4665.2021.12.2.145-159. — EDN KNFFUT.
27. //E-Management. —2023. — .6, 1. — .81-94. — DOI 10.26425/2658-3445-2023-6-1-81-94. — EDN VFOULF.
28. 2023 : . — URL: www.fips.ru/about/deyatelnost/sotrudnichestvo-s-regionami-rossii/a-iz-akt-2023.pdf (: 31.08.2024).
29. — URL: rosstat.gov.ru/statistics/science (: 31.08.2024).
30. // . — URL: government.ru/search/?q=%D1%82%D0%B5%D1%85%D0%BD%D0%BE%D0%BF%D0%B0%D1%80%D0%BA%D0%B8&dt.till=31.08.2024&dt.since=7.05.2012&sort=rel&type=13,15 (: 31.08.2024).

СПИСОК ЛИТЕРАТУРЫ

1. O natsional'nykh usloviyakh razvitiya Rossiyskoy Federatsii do 2030 goda i na perspektivu do 2036 goda: Ukaz Prezidenta Rossiyskoy Federatsii ot 07.05.2024 goda 309. — URL: kremlin.ru/events/president/news/73986 (data obrashcheniya: 20.08.2024).
2. Ob utverzhdenii Kontseptsii tekhnologicheskogo razvitiya do 2030 goda: Rasporyazheniye Pravitel'stva Rossiyskoy Federatsii ot 20 maya 2024 goda 1315-r. — URL: docs.cntd.ru/document/1301657597 (data obrashcheniya: 13.08.2024).

3. Mityakov, S. N. Innovatsionnoye razvitiye regionov Rossii: metodika reytingovaniya / S. N. Mityakov, O. I. Mityakova, N. A. Murashova // *Innovatsii*. — 2017. — 9(227). — S. 97-104. — EDN YPOWXF.
4. Borshch, L. M. Metodologiya formirovaniya prioritetnogo innovatsionnogo razvitiya v usloviyakh modernizatsii promyshlennykh predpriyatii na primere Respubliki Krym / L. M. Borshch, S. V. Gerasimova // *Nauchnyy vestnik: finansy, banki, investitsii*. — 2015. — 2(31). — S. 108-114. — EDN VNZDMP.
5. Gusev A.B. Formirovaniye reytingov innovatsionnogo razvitiya regionov Rossii i vyrabotka rekomendatsiy po stimulirovaniyu innovatsionnoy aktivnosti sub'yektov Rossiyskoy Federatsii. — M., 2008. — S. 97-104.
6. Kuznetsov, S. A. Metodika otsenki pokazateley effektivnosti upravleniya chelovecheskimi resursami v usloviyakh innovatsionnogo razvitiya / S. A. Kuznetsov // *Region: sistemy, ekonomika, upravleniye*. — 2021. — 1(52). — S. 126-132. — DOI 10.22394/1997-4469-2021-52-1-126-132. — EDN AUTHCF.
7. Shpakova, R. N. Strategii sotsial'no-ekonomicheskogo razvitiya regionov: pokazateli innovatsionnogo razvitiya / R. N. Shpakova // *Vestnik yevraziyskoy nauki*. — 2023. — T. 15, 5. — EDN HBGYWG.
8. Yashin, S. N. Metodika rascheta pokazateley urovnya innovatsionnogo razvitiya predpriyatiya, obespechivayushchikh prinyatiye upravlencheskikh resheniy / S. N. Yashin, I. A. Kulagova, Ye. N. Lapshina // *Vestnik Altayskoy akademii ekonomiki i prava*. — 2020. — 7-1. — S. 229-238. — DOI 10.17513/vaael.1231. — EDN ANKZZD.
9. Merzlikina, G. S. Innovatsionnoye razvitiye regiona: novyye kriterii — pokazateli otsenki / G. S. Merzlikina // *Vestnik Astrakhanskogo gosudarstvennogo tekhnicheskogo universiteta. Seriya: Ekonomika*. — 2020. — 3. — S. 7-18. — DOI 10.24143/2073-5537-2020-3-7-18. — EDN JXQERF.
10. Guseva, A. A. Oboronnaya promyshlennost' v strukture natsional'noy ekonomiki: vliyaniye na ekonomicheskii rost / A. A. Guseva, I. V. Nevolin // *Ekonomika i biznes: teoriya i praktika*. — 2023. — 6-1(100). — S. 95-101. — DOI 10.24412/2411-0450-2023-6-1-95-101. — EDN KLGVSF.
11. Dubovitskaya, Ye. S. Obespecheniye ustoychivosti predpriyatii oboronnoy promyshlennosti v sovremennykh usloviyakh / Ye. S. Dubovitskaya // *Zhurnal prikladnykh issledovaniy*. — 2022. — T. 3, 7. — S. 285-289. — DOI 10.47576/2712-7516_2022_7_3_285. — EDN OCLEAO.
12. Byvshev, V. I. Regional'nyy vzglyad na problemy razvitiya sfery nauki i innovatsiy / V. I. Byvshev, I. A. Panteleyeva, D. I. Uskov // *Vestnik Tomskogo gosudarstvennogo universiteta. Ekonomika*. — 2022. — 59. — S. 137-157. — DOI 10.17223/19988648/59/9. — EDN AICBUA.
13. Gileva, T. A. Metodologiya adaptatsii i razvitiya innovatsionnoy infrastruktury territorii v tsifrovoy srede / T. A. Gileva, M. P. Galimova, R. R. Khussamov // *Problemy ekonomiki i yuridicheskoy praktiki*. — 2023. — T. 19, 3. — S. 192-200. — EDN OBVRFF.
14. Khachatryan, A. A. Neobkhodimost', sposoby i instituty gosudarstvennogo stimulirovaniya innovatsionnoy aktivnosti organizatsiy / A. A. Khachatryan // *Vestnik Moskovskogo universiteta im. S. Yu. Vitte. Seriya 1: Ekonomika i upravleniye*. — 2012. — 1(1). — S. 39-44. — EDN PLXAJL.
15. Vinslav, Yu. B. Ob usloviyakh povysheniya innovatsionnoy aktivnosti organizatsiy / Yu. B. Vinslav // *Professional'noye obrazovaniye i obshchestvo*. — 2020. — 4(36). — S. 257-266. — EDN QMHPHK.
16. Dodokhyan, T. M. Analiz peredovogo opyta organizatsii obucheniya personala promyshlennykh predpriyatii kak instrumenta povysheniya ikh innovatsionnoy aktivnosti / T. M. Dodokhyan // *Organizator proizvodstva*. — 2021. — T. 29, 4. — S. 59-67. — DOI 10.36622/VSTU.2021.91.94.006. — EDN HDEIQH.
17. Zaytseva, A. S. Novyye aktsenty v razvitii innovatsionnoy deyatel'nosti: innovatsii, initsii i ruyemye pol'zovatel'nyye / A. S. Zaytseva, O. R. Shuvalova // *Forsayt*. — 2011. — T. 5, 2. — S. 16-32. — DOI 10.17323/1995-459X.2011.2.16.32. — EDN NURGNZ.
18. Nekrasov, K. V. Vliyaniye klyuchevykh faktorov na innovatsionnyuyu aktivnost' organizatsiy / K. V. Nekrasov // *Vestnik Altayskoy akademii ekonomiki i prava*. — 2023. — 8-1. — S. 99-103. — DOI 10.17513/vaael.2942. — EDN ELMXLY.
19. Babkin, A. V. Obosnovaniye vzaimosvyazi innovatsionnogo kapitala predpriyatiya i umnogo proizvodstva / A. V. Babkin, G. S. Merzlikina // *Nauchno-tekhnicheskiye vedomosti Sankt-Peterburgskogo gosudarstvennogo politekhnicheskogo universiteta. Ekonomicheskkiye nauki*. — 2021. — T. 14, 3. — S. 86-101. — DOI 10.18721/JE.14307. — EDN MOYNQM.
20. Akberdina, V. V. Innovatsionnaya ekosistema: teoreticheskii obzor predmetnoy oblasti / V. V. Akberdina, Ye. V. Vasilenko // *Zhurnal ekonomicheskoy teorii*. — 2021. — T. 18, 3. — S. 462-473. — DOI 10.31063/2073-6517/2021.18-3.10. — EDN DYGEV.
21. Zavarukhin, V. P. Regiony Rossii: rezul'taty klasterizatsii na osnove ekonomicheskikh i innovatsionnykh pokazateley / V. P. Zavarukhin, T. I. Chinayeva, E. Yu. Churilova // *Statistika i Ekonomika*. — 2022. — T. 19, 5. — S. 35-47. — DOI 10.21686/2500-3925-2022-5-35-47. — EDN THDRUV.
22. Igolkin, I. S. Diagnostika razvitiya innovatsionnogo predprinimatel'stva v regionakh / I. S. Igolkin // *Ekonomika i predprinimatel'stvo*. — 2022. — 8(145). — S. 1335-1339. — DOI 10.34925/EIP.2022.145.8.274. — EDN KDDMLO.

23. Indikatory innovatsionnoy deyatelnosti: Statisticheskiy sbornik / V.V. Vlasov, L.M. Gokhberg, G.A. Gracheva i dr.; Natsional'nyy issledovatel'skiy universitet I60 «Vysshaya shkola ekonomiki». — M.: ISIEZ VSHE, 2024. — 260 s. — ISBN 7598-3014-6 (v obl.).

24. Mukhamedzhanova, A. A. Innovative development of the regions of Kazakhstan in the post COVID period on the example of Nur-Sultan / A. A. Mukhamedzhanova, E. M. Yeralina, K. S. Mukhambedyarova // Vestnik universiteta Turan. — 2021. — No. 4(92). — P. 28-32. — DOI 10.46914/1562-2959-2021-1-4-28-32. — EDN YIPNBE.

25. Tokayeva, B. B. Vliyaniye razvitiya malogo i srednego predprinimatel'stva na innovatsionnoye razvitiye regionov / B. B. Tokayeva, A. B. Tokayeva, B. E. Bagayev // Upravlencheskiy uchet. — 2022. — 5-2. — S. 314-320. — DOI 10.25806/uu5-22022314-320. — EDN ROVQUI.

26. Yuysan', V. Innovatsionnoye razvitiye kitayskikh regionov: opyt i rekomendatsii dlya Rossii / V. Yuysan' / MIR (Modernizatsiya. Innovatsii. Razvitiye). — 2021. — T. 12, 2. — S. 145-159. — DOI 10.18184/2079-4665.2021.12.2.145-159. — EDN KNFFUT.

27. Apen'ko, S. N. Innovatsionnoye razvitiye regionov i vnutrennyaya migratsiya v Rossii / S. N. Apen'ko, A. V. Lukash // E-Management. — 2023. — T. 6, 1. — S. 81-94. — DOI 10.26425/2658-3445-2023-6-1-81-94. — EDN VFOULF.

28. Analiticheskiye issledovaniya sfery intellektual'noy sobstvennosti 2023 god: Sbornik. — URL: www.fips.ru/about/deyatelnost/sotrudnichestvo-s-regionami-rossii/a-iz-akt-2023.pdf (data obrashcheniya: 31.08.2024).

29. Statistika Rosstat nauka i innovatsii Sbornik. — URL: rosstat.gov.ru/statistics/science (data obrashcheniya: 31.08.2024).

30. Svedeniya ob industrial'nykh parkakh, tekhnoparkakh // Pravitel'stvo Rossiyskoy Federatsii. — URL: government.ru/search/?q=%D1%82%D0%B5%D1%85%D0%BD%D0%BE%D0%BF%D0%B0%D1%80%D0%BA%D0%B8&dt.till=31.08.2024&dt.since=7.05.2012&sort=rel&type=13,15 (data obrashcheniya: 31.08.2024).

19 2024

30 2024