# Публикации в Web of Science и Scopus членов кафедры МиМП

# Публикации в Web of Science и Scopus за 2023 год

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| 1. [Smirnov E.](https://www.scopus.com/authid/detail.uri?authorId=57347343800), **[Dvoryatkina S.](https://www.scopus.com/authid/detail.uri?authorId=57193775897" \o "https://www.scopus.com/authid/detail.uri?authorId=57193775897)**, [Martyushev N.](https://www.scopus.com/authid/detail.uri?authorId=36671592800" \o "https://www.scopus.com/authid/detail.uri?authorId=36671592800), **[Shcherbatykh S](https://www.scopus.com/authid/detail.uri?authorId=57196473659" \o "https://www.scopus.com/authid/detail.uri?authorId=57196473659)**[.](https://www.scopus.com/authid/detail.uri?authorId=57196473659" \o "https://www.scopus.com/authid/detail.uri?authorId=57196473659) (2023). Software Package to Support Students’ Research Activities in the Hybrid Intellectual Environment of Mathematics Teaching*. Mathematics*,  11(4), 952.   [DOI: 10.3390/math11040952](https://doi.org/10.3390/math11040952)  **(научная статья), Q2**  **Импакт-фактора нет**  **Доля кафедры – 1**   1. **Дворяткина С. Н., Жук Л. В.**, Смирнов Е. И., **Щербатых С. В.** Этапы разработки гибридной интеллектуальной обучающей среды для управления исследовательской деятельностью школьников в области математики // Перспективы науки и образования. 2023. № 2 (62). С. 174-190.   DOI: 10.32744/pse.2023.2.10  **(научная статья), Q4**  **Двухлетний импакт-фактор –1,419**  **Доля кафедры – 1**   1. **Дворяткина С.Н.**, Дякина А.А., **Сафронова Т.М**. Научно-популярный фильм как ресурс интеграции медиаобразовательных технологий в систему обучения математике // Перспективы науки и образования. 2023. № 6 (66). С. 192-203.   DOI: 10.32744/pse.2023.6.11  **(научная статья), Q4**  **Двухлетний импакт-фактор – 1,419**  **Доля кафедры – 0,7**   1. **Dvoryatkina S.N., Zhuk L.V.** Intellectual Support of the Students' Research Activities in Mathematics: Experimental Verification of Effectiveness a Hybrid Learning System. *European Journal of Contemporary Education*. 2023. 12 (4). 1212-1222.   DOI:10.13187/ejced.2023.4.1212  **(научная статья), Q2**  **Двухлетний импакт-фактор – 1,653**  **Доля кафедры – 1**   1. **Yeletskikh I.A., Yeletskikh K.S.** (2023) Мodel building of nonlinear feedback control. *Global and Stochastic Analysis*. 10 (3), 113-122.   DOI:  **(научная статья), Q4**  **Импакт-фактор – нет**  **Доля кафедры – 1**   1. **Lyakhov L. N**., Roshchupkin S. A., **Bulatov Yu. N. (2023)** Kipriyanov singular pseudodifferential operators generated by Bessel J-transform. [*Journal of Mathematical Sciences*](https://link.springer.com/journal/10958)  269(2). 205-216.   DOI: 10.1007/s10958-023-06270-y. – EDN TGNQTU.  **(научная статья), Q3**  **Двухлетний импакт-фактор – 1,653**   1. **Lyakhov L.N.,** Sanina, E.L. (2023) [Differential and Integral Operations in Hidden Spherical Symmetry and the Dimension of the Koch Curve](https://click.notification.elsevier.com/CL0/https:%2F%2Fwww.scopus.com%2Falert%2Fresults%2Frecord.uri%3FdiscoveryEventID=fe44ac71-7158-4815-9d47-587468be6ebc%26ATP=scopussearch%26eid=2-s2.0-85160434236%26origin=SingleRecordEmailAlert%26dgcid=raven_sc_search_ru_ru_email/1/010001888fefd25a-89cec807-60af-4fa8-a327-6396c6aee1fe-000000/hcSN2bb_2dmMx8bzhudkoH4TGtUW5j4m_7PQYT_ePxQ=303). *Mathematical Notes*, 113(3-4). 502-511.   DOI: [10.1134/S0001434623030227](https://doi.org/10.1134/S0001434623030227)  **(научная статья), Q2**  **Двухлетний импакт-фактор - нет**  **Доля кафедры – 1**   1. Roshchupkin S.A., **Lyakhov L.N. & Yeletskikh, K.S**. (2023). On the Fundamental Solution of a-Hyperbolic Operator with a Bessel Operator in Time. Lobachevskii J Math, 44, 3467-3477.   DOI: 10.1134/S1995080223080383  **(научная статья), Q2.**  **Импакт-фактор: 0,42.**  **Доля кафедры - 0,7**   1. **Lyakhov L.N**., **Bulatov Y.N.,** Roshchupkin S.A. et al.(2023) Uniqueness of the Solution of the Dirichlet Problem for the Poisson Equation with a Singular ΔB-Kipriyanov Operator. Differential Equations 59, 491–501. <https://doi.org/10.1134/S0012266123040055>   **(научная статья), Q2**  **Импакт-фактор - нет**  **Доля кафедры – 0,7**   1. **Lyakhov L. N., Bulatov Y. N.** (2023) Composition and Commutator of Singular J-Pseudodifferential Kipriyanov Operators in RN . *Lobachevskii Journal of Mathematic*s 44 (8), 3438-3454.   DOI 10.1134/S199508022308036X.  **(научная статья), Q2**  **Двухлетний импакт-фактор – 1,653**  **Доля кафедры – 1**   1. Roshchupkin S.A., **Lyakhov L.N.** & Lapshina, M.G. (2023). On Even and Odd Radon-Kipriyanov Transformations. *Lobachevskii Journal of Mathematic*s , 44 (8), 3455-3466   DOI: [10.1134/S1995080223080371](https://doi.org/10.1134/S1995080223080371) **(научная статья), Q2.**  **Двухлетний импакт-фактор – 0,490**  **Доля кафедры - 0,5**   1. **Lyakhov L. N**., Sanina E. L., Roshchupkin S. A., **Bulatov Yu. N.** (2023) Fundamental Solution of a Singular Bessel Differential Operator with a Negative Parameter. *Russian Mathematics*. 67 (7), 43-54.   – DOI 10.3103/S1066369X2307006X. – EDN QFYIFJ.  **(научная статья), Q3**  **Импакт-фактор - нет**  **Доля кафедры – 0,7**   1. Моргачева Н. В., **Щербатых С.В.,** Сотникова Е.Б. Оценка и анализ уровня естественно-научной грамотности студентов // Перспективы науки и образования. 2023. № 2(62). С. 66-84.   DOI 10.32744/pse.2023.2.4. – EDN DTCAUT.  **(научная статья), Q4**  **Двухлетний импакт-фактор – 1,419**  **Доля кафедры – 0,3**   1. Моргачева Н. В., Сотникова Е.Б., **Щербатых С.В.** Развитие методической компетентности будущего учителя физкультуры средствами интерактивных технологий / Н. В. Моргачева, Е. Б. Сотникова, С. В. Щербатых // Теория и практика физической культуры. – 2023. – № 5. – С. 60-62. – EDN PXYWJP.   **(научная статья), Q4**  **Двухлетний импакт-фактор – 0,771**  **Доля кафедры – 0,3**   1. **Chernousova N.V**, Gnezdilova N.A. Shchuchka T.A., Alexandrova L.N. Internet Olympiad in Computer Science in the Context of Assessing the Scientific Potential of the Student // CSOC 2023, Lecture Notes in Networks and Systems (LNNS). - Springer Nature Switzerland AG 2023. - 724, pp. 1-9, 2023.   <https://doi.org/10.1007/978-3-031-35314-7_22>  Импакт-фактор журнала: 0,17  **(материалы конференции), Q4**  **Импакт-фактор – нет**  **Доля кафедры - 0,25** |
| 1. **Мельников Р.А., Саввина О.А.** Историко-математическое наследие Фёдора Андреевича Медведева (к 100-летию со дня рождения) // Чебышевский сборник. 2023. Т.XXIV. Вып.4(90). С.361-371.   DOI 10.22405/2226-8383-2018-24-4-361-371.  **Двухлетний импакт-фактор (2021) – 0,498**  **Доля кафедры - 1** |

# Публикации в Web of Science и Scopus за 2022 год

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| --- |
| 1. **Dvoryatkina, S.N.  Melnikov, R.A., Savvina, O.A.** (2022) Reform and counter-reform of mathematics education in the USSR in 1960-1970 // Perspektivy Nauki i Obrazovania, Vol. 60(6), pp. 519-534. doi: 10.32744/pse.2022.6.31108–125 Q4 **(Доля кафедры – 1)** |
| 1. **Дворяткина С.Н.**, Дякина А.А., **Щербатых С.В.** Научно-исследовательская работа магистрантов в условиях цифровизированного диалога культур // Перспективы науки и образования. 2022. Т. 57. № 3. С. 108-125. Q4 DOI: [10.32744/pse.2022.3.7](https://doi.org/10.32744/pse.2022.3.7) **(Доля кафедры – 0,65)** |
| 1. **Dvoryatkina, S.N., Golovin, D.A.** (2022). Neural Network Technologies for Analysis and Risk Assessment in Forecasting the Market of Industrial Financial Instruments // Journal of Physics: Conference Series. Vol. 2176 (1). Art. no. 0120 91.  doi:10.1088/1742-6596/2176/1/012091 - Q4 **(Доля кафедры – 1)** |
| 1. **Dvoryatkina, S.N., Melnikov, R.A., Shcherbatykh, V.E.** Identification of the Research Potential of Students in the Process of Revealing Integrative Connections of the Subject Content of Mathematical Courses // European Journal of Contemporary Education, 2022. 11(3): 718-726. DOI: 10.13187/ejced.2022.3.718 Импакт-фактор журнала в РИНЦ: 1,391 **(Доля кафедры – 1)** |
| 1. **Гликлих Ю. Е.** Стохастические уравнения и включения с производными в среднем и их приложения // Contemporary Mathematics. Fundamental Directions. 2022. Том 68. № 2. С. 191–337. DOI: 10.22363/2413-3639-2022-68-2-191-337 **(Доля кафедры – 1)** |
| 1. **Игонина Е. В.**, Поваляева О. Н., Котлярова О. А. Цифровая компетентность российских учителей (результаты эмпирического исследования на примере Липецкой области) // Перспективы науки и образования. 2022. № 6 (60). С. 625-643. doi: 10.32744/pse.2022.6.38 **(Доля кафедры – 0,33)** |
| 1. [Morozov, D.N.](https://www.scopus.com/authid/detail.uri?authorId=57212369517), [Losev, V.V.](https://www.scopus.com/authid/detail.uri?authorId=36853841700" \o "https://www.scopus.com/authid/detail.uri?authorId=36853841700), [Repin, V.V.](https://www.scopus.com/authid/detail.uri?authorId=35300353500" \o "https://www.scopus.com/authid/detail.uri?authorId=35300353500), **[Rymanova, T.E.](https://www.scopus.com/authid/detail.uri?authorId=57667309700" \o "https://www.scopus.com/authid/detail.uri?authorId=57667309700) (2022)** RSSI Development with Automatic Compensation of Technological and Topological Mismatch // Proceedings of the 2022 Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2022, pp. 185–188. **(Доля кафедры – 1)**   <https://www.scopus.com/authid/detail.uri?authorId=57667309700> |
| 1. **Саввина О.А., Рыманова Т.Е., Жук Л.В.** Методологические аспекты диагностики состояния духовно-нравственной культуры студентов // Перспективы науки и образования. 2022. №2 (56). С. 168-182. Q4 DOI: [10.32744/pse.2022.2.10](https://doi.org/10.32744/pse.2022.2.10) **(Доля кафедры – 1)** |
| 1. Kuzubova, А., Podoksenov, А., **Savvina, О**, Telkova, V, Chernakov, V. Modernization of the political and legal system and its influence on the regulation of social (А [modernização do sistema político e jurídico e sua influência na regulamentação das relações sociais](https://seer.ucp.br/seer/index.php/LexHumana/article/view/2294)). Lex Humana. V. 14, n 2. 2022, pp.255-267. <https://seer.ucp.br/seer/index.php/LexHumana/index> **(Доля кафедры – 0,2)** |
| 1. **Pertsev, V**, Kostromina E., Krasnovskiy E., Kovalevskaia N. & Makushkin S. (2022). Development of a management model for the marketing activities of an industrial enterprise based on incoming controlled and uncontrolled variables // Management & Technology. V. 22(2). Q4 DOI: <https://doi.org/10.20397/2177-6652/2022.v22i4.2396> **(Доля кафедры – 1)** |

# Публикации в Web of Science и Scopus за 2021 год

1. Smirnov , E., Dvoryatkina, S., Shcherbatykh, S. (2021). TECHNOLOGY OF DEVELOPMENT OF A HYBRID INTELLIGENT SYSTEM OF TEACHING

MATHEMATICS. In International Scientific and Practical Conference Education in a Changing World: Global Challenges and National Priorities. European Proceedings of Social and Behavioural Sciences EpSBS. In International Scientific and Practical Conference Education in a Changing World: Global Challenges and National Priorities, 114, 761-769.

https://doi.org/10.15405/epsbs.2021.07.02.91

1. Dvoryatkina, S.N., Dyakina, A.A. (2021). Horizontal Network Organization Form Of Undergraduates’ Research Activities Based On Interdisciplinary Interaction. In International Conference on Language and Technology in the Interdisciplinary Paradigm (LATIP 2021). European Proceedings of Social and Behavioural Sciences EpSBS, 118, 575-583. DOI: 10.15405/epsbs.2021.12 71. Доля кафедры 0,5
2. Gliklikh Yu.E., Grankina A.D. (2021). On global in time existence of solutions of stochastic inclusions with backward mean derivatives. Applied Analysis and Optimization, 5(2), 217-221. DOI: https://doi.org/10.14529/jcem180406
3. Gliklikh, Yu. E. (2021). Guiding Potentials and Bounded Solutions of Differential Equations on Finite-Dimensional Non-Compact Manifolds. Izvestiya Vysshikh Uchebnykh Zavedenii. Matematika, 5, 16–22. DOI:10.3103/S1066369X21050030
4. Livson, M., Ulanova, K.L., Pertsev, V.V., Dudynov, S.V., Novikov, A.V. (2021) The influence of byod on results of students' learning. Propositos y representaciones. 9(S1), 1265. DOI: <http://dx.doi.org/10.20511/pyr2021.v9nSPE3.1265>
5. Podaeva, N.G., Agafonov, P.A. (2021). Atualização da experiência intencional de alunos superdotados no processo de dominar conceitos geométricos: do suporte ao mecanismo de atividade. Revista on line de Política e Gestão Educacional, Araraquara, 25(2), 1311–1327. DOI: https://doi.org/10.22633/rpge.v25i2.15449
6. Podaeva, N.G., Podaev, M.V., Agafonov, P.A. (2021). Development of the activity of gifted schoolchildren in mastering geometric concepts in figurative structures. Propositos y representaciones, 9(53), е1126. DOI:10.20511/pyr2021.v9nSPE3.1126
7. Yeletskikh, I.A., Yeletskikh, K.S., Shcherbatykh, V.E. (2021). L-stability of Nonlinear Systems Represented by State Models. Bulletin of the South Ural State University. Ser. Mathematical Modelling, Programming& Computer Software (Bulletin SUSU MMCS), 14(2), 85–93. DOI: 10.14529/mmp210209 Q3
8. Dvoryatkina, S. N., Zhuk, L. V., Smirnov, E. I., Shcherbatykh, S. V. (2021). Didactic model of development of research activities of schoolchildren in a

hybrid intellectual learning environment. Perspectives of Science and Education, 2(50), 278-292. Q4. https://doi.org/10.32744/pse.2021.2.19

1. Dvoryatkina, S. N., Merenkova, V.S., Smirnov, E. I. (2021). Diagnostics of psychological readiness of high school students for research activities in mathematics in the design context of a hybrid intellectual learning environment. Perspectives of Science and Education, 6(52), 192-210. Q4 Доля кафедры 0,66
2. Dvoryatkina, S., Smirnov, E., Uvarov, A. (2021) Manifestation Technology of Non-linear Dynamics Synergetic Effects of Schwartz Cylinder’s Areas. In: Sukhomlin V., Zubareva E. (eds) Modern Information Technology and IT Education. SITITO 2017 (pp. 14-25). Communications in Computer and Information Science, 1204, 14-25. Q4. DOI:10.1007/978-3-030-78273-3\_2
3. Dvoryatkina, S.N., Simonovskaya, G.A. (2021). Using Chess for Identifying and Correcting “Problem Areas” in the School Math Course. TEM Journal, 10(1), 451‐461. DOI: 10.18421/TEM101-57 Q3
4. Dvoryatkina, S., Smirnov, E., Shcherbatykh, S. (2021). Technological stages of Schwartz Cylinder's computer and mathematics design using intelligent system support. Advances in Science, Technology and Engineering Systems, 6(1), 447–456. DOI:10.25046 / aj060148
5. Dvoryatkina, S., Khizhnyak, А., Smirnov, E., Shcherbatykh, S., Zhuk, L.V., (2021). Open Innovation Model of Student’s Research Activities (Running title: Open Innovation Model). Journal of Teacher Education for Sustainability, 23( 2), 82-95. Q2
6. Dvoryatkina, S. N., Smirnov, E. I., Shcherbatykh, S. V. (2021). Parameters and functionality of hybrid neural network for the organization of students. Revista de Educacion, 394(12). (в печати) Q2
7. Gerasimova, Ye., Dvoryatkina, S., Savvina, O. and Shcherbatykh, S. (2021). Implementing a Spiritual and Moral Education Program for Maths Teachers. Journal of Teacher Education for Sustainability, 23(1), 69-83. DOI:10.2478/jtes-2021-0006 Q2. Доля кафедры 0,75
8. Dobrin, A.V., Shcherbatykh, S.V. (2021). Distinctive features of executive functions among students with differing levels of probabilistic thinking style. International Journal of Instruction, 14 (4), 223-240. Q2. DOI: 10.29333/iji.2021.14414a. Доля кафедры 0,5
9. Gerasimova, E.N., Usachev, A.V., Usacheva, I.N., Shcherbatykh, S.V. (2021). Sustainable development of society and russian philosophy: Educational aspect. International Journal of Criminology and Sociology, 10, 93-102. DOI: 10.6000/1929-4409.2021.10.13. Q2. Доля кафедры 0,25
10. Gliklikh, Yu., Sergeeva, D. (2021). On conditions for completeness of flows generated by stochastic differential-algebraic equations. Global and Stochastic Analysis, 8(2), 1-7. Q3
11. Ляхов Л.Н., Трусова Н.И. Частно-интегральные операторы неотрицательных порядков в весовых пространствах Лебега // Челябинский физико-математический журнал. 2021. Том. 6. Вып. 3. С. 289-298. DOI: 10.47475/2500-0101-2021-16303 Q4.Доля кафедры 0,5
12. Masina, O.N., Petrov, A.A., Druzhinina, O.V., Shcherbatykh, S.V. (2021) Methods of intelligent results ranking for the intermediate assessment of knowledge in mathematical disciplines. In Journal of Physics: Conference Series, 1, 012032. DOI: 10.1088/1742-6596/2001/1/012032. Доля кафедры 0,25

# Публикации в Web of Science и Scopus за 2020 год

1. Kuzubova A.Yu., Podoksenov A.M., Savvina O.A., Shabalina E.I., Goryunova E.N. (2020). Dialectics of rights and duties in the legal axiology of Russian conservatism of the 19th century. Revista inclusions. Vol. 7 – número especial – abril/junio, pp. 42 – 55. Доля кафедры:0,2
2. Golubeva, T.I., Abdulkadirov, U.U., Pivneva, S.V., Polkovnikov, A.V., Pertsev, V.V. (2020). Software educational resources as a means of studying economic and mathematical disciplines at university. Revista Inclusiones, S2-2 (7),

pp. 395-408. Доля кафедры:0,2

1. Safronova T.M., Chernousova N.V., Safronova M.I. (2020). Financial Literacy and Financial Capability: Interdependence of Concepts and Possibilities to Form Them in a School Course of Mathematics. Propósitos y Presentaciones, 3(8),

pp. 504 (ISSN 2307-7999). Доля кафедры:0,67

1. Lyakhov L.N., Yeletskikh K.S., Sanina E.L. (2020). Boundary Value Problems for the Euler–Poisson–Darboux Equation. Lobachevskii Journal of Mathematics, 5(41), pp. 797–809. Доля кафедры: 0,33
2. Lyakhov L.N., Yeletskikh K.S., Roshchupkin S.A. (2020). Huygens Principle for Singular Hyperbolic Equations. Lobachevskii Journal of Mathematics, 5(41), pp. 810–817. Доля кафедры: 0,33
3. Safronova T.M., Chernousova N.V., Safronova M.I. (2020). Conceptual model of schoolchildren’s financial literacy and financial capability formation in the course of mathematics. Propósitos y Presentaciones, vol. 8, No S2, pp. 670. Доля кафедры: 0,67
4. Podaeva N.G., Agafonov P.A. (2020). Geometry Construction Problems in Electronic Educational Environment as a Development Means for the Students’ Conceptual Mental Structure: Socio-Cultural Approach. Propositos y representaciones, 8(53), pp. 712.
5. Дворяткина С.Н., Щербатых С.В. Концептуальные положения фрактального развития вероятностного стиля мышления в обучении математике и инструменты их реализации // Перспективы науки и образования. 2020. №2 (44). С. 195-209. Импакт-фактор: 0,138.
6. Смирнов Е.И., Тихомиров С.А. Дворяткина С.Н. Технология самоорганизации математической деятельности на основе интеллектного управления // Перспективы науки и образования. 2020. №3 (45). С. 77-87. Импакт-фактор: 0,138. Доля кафедры:0,33
7. Lyakhov L.N., Yeletskikh K.S., Sanina E.L. (2020). The Poisson Formula for Solutions to Initial-Boundary Value Problems for B-hyperbolic Equations with Bessel Operators with Negative Index. Journal of Mathematical Sciences, vol. 250,

pp. 51–61. Доля кафедры:0,33

1. Gardanova, Z.; Ponkratov, V.; Kuznetsov, N.; Nikitina, N.; Dudnik, O.; Latypova, E.; Shcherbatykh, S. (2020). A Model for Optimizing the Structure of Teaching Techniques for Distance Learning in the Russian Higher Education System. J. Open Innov. Technol. Mark. Complex, 6, 147. Импакт-фактор: 0,78 Доля кафедры – 0,18.
2. Sergey V. Shcherbatykh, Morgacheva N .V. (2020). The Formation of Methodical Competence of the Prospective Teacher of Science through the Interactive Technologies. International Journal of Psychosocial Rehabilitation. 4(24), pp. 6210-6216. Доля кафедры – 0,5.
3. S. V. Shcherbatykh, S. V. , Polyakova, A.Yu. (2020). Modern Educational Technologies in a Fractal Approach Implementation in the Math Lessons (on the Example of Learning a Probability-Statistical Line Elements), International Journal of Criminology and Sociology, 9(83). Pp. 1709-1723. Импакт-фактор: 0,13
4. Smirnov, E., Dvoryatkina, S., Shcherbatykh, S. (2020). Parameters and Structure of Neural Network Databases for Assessment of Learning Outcomes, International Journal of Criminology and Sociology, 9(83). Pp.1638-1648. Импакт-фактор: 0,13. Доля кафедры – 0,67