Список публикаций в международных рецензируемых изданиях

Фамилия претендента Сарсембаева Асель Сериковна

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| № п/п | Название публикации | Тип публикации (статья, обзор и т.д.) | Наименование журнала, год публикации (согласно базам данных), DOI | Импакт-фактор журнала, квартиль и область науки\* по данным Journal Citation Reports (Жорнал Цитэйшэн Репортс) за год публикации | Индекс в базе данных Web of Science Core Collection (Веб оф Сайенс Кор Коллекшн) | CiteScore (СайтСкор) журнала, процентиль и область науки\* по данным Scopus (Скопус) за год публикации | ФИО авторов (подчеркнуть ФИО претендента) | Роль претендента (соавтор, первый автор или автор для корреспонденции) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | Bearing Capacity of Precast Concrete Joint Micropile Foundations in Embedded Layers: Predictions from Dynamic and Static Load Tests according to ASTM Standards | статья | Infrastructures 2024, 9, 104.  https://doi.org/10.3390/  infrastructures9070104 | JIF 2023: 2.7; Q2, Construction and building technology | Science Citation Index Expanded (SCIE) | CiteScore 2023: 5.2; Percentile: 75%, Engineering: Building and Construction. | Omarov, A.,  Zhussupbekov, A.,  Sarsembayeva A.,  Nurgozhina,M., Tleulenova, G., Yeleussinova, A.,  Isakulov, B. | Aвтор для корреспонденции |
| 2 | Design of Conical Foundations with Increased Bearing Capacity in Areas of Undermined Soils | статья | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2024, 14, 1816. <https://doi.org/10.3390/app14051816> | JIF 2023: 2.5; Q1, Engineering, Multidisciplinary | Science Citation Index Expanded (SCIE) | CiteScore 2023: 5.3; Percentile: 79%, Engineering: General Engineering | Zhussupbekov, A., Sarsembayeva A., Bazarov B.,  Omarov A. | Aвтор для корреспонденции |
| 3 | Evaluation of the Structural Health Monitoring Results of the Applied Fiber Optics in the Pile-Raft Foundations of a High-Rise Building | статья | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2022, 12(22), 11728 <https://doi.org/10.3390/app122211728> | JIF 2022: 2.7; Q2, Engineering, Multidisciplinary | Science Citation Index Expanded (SCIE) | CiteScore 2022: 4.5; Percentile: 75%, Engineering: General Engineering  1linary | Buranbayeva, A., Zhussupbekov, A., Sarsembayeva A., Omarov, A. | Aвтор для корреспонденции |
| 4 | Evaluation of the Strength Characteristics of Silty-Clayey Soils during Freezing-Thawing Cycles. | статья | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2022, 12, 802. <https://doi.org/10.3390/app12020802> | JIF 2022: 2.7; Q2, Engineering, Multidisciplinary | Science Citation Index Expanded (SCIE) | CiteScore 2022: 4.5; Percentile: 75%, Engineering: General Engineering | Bragar, E.; Pronozin, Y.; Zhussupbekov, Sarsembayeva A., A.; Gerber, A.; Muzdybayeva, T.; Sarabekova, U.Z. | Соавтор |

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| 5 | Heat and Mass Transfer by Vapour in Freezing Soils. | статья | Energies, ISSN:1996-1073, 2022, 15, 1515.  <https://www.mdpi.com/1996-1073/15/4/1515> | JIF 2022: 2.7; Q3, Energy& Fuels | Science Citation Index Expanded (SCIE) | CiteScore 2022: 5.5; Percentile: 83%, Engineering | Sarsembayeva A., Askar Zhussupbekov; Philip E. F. Collins | Первый автор и автор для корреспонденции |
| 6 | Development of a unified geotechnical database and data processing on the example of Nur‐Sultan City | статья | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2021, 11(1), pp. 1–20, 306. <https://www.mdpi.com/2076-3417/11/1/306> | JIF 2021: 2.838; Q2, Engineering, Multidisciplinary | Science Citation Index Expanded (SCIE) | CiteScore 2021: 3.7; Percentile: 73%, Engineering: General Engineering | Zhussupbekov, A., Alibekova, N., Akhazhanov, S., Sarsembayeva A. | Aвтор для корреспонденции |
| 7 | Experimental study of deicing chemical redistribution and moisture mass transfer in highway subsoils during the unidirectional freezing | статья | Transportation Geotechnics, ISSN:2214-3912, 2021, 26, 100426.  <https://www.sciencedirect.com/science/article/abs/pii/S2214391220303147?via%3Dihub> | JIF 2021: 4.938; Q1, Engineering, Civil | Science Citation Index Expanded (SCIE) | CiteScore 2021: 4.9; Percentile: 75%, Engineering: Civil and Structural Engineering | Sarsembayeva A., Zhussupbekov, A. | Первый автор и автор для корреспонденции |
| 8 | Complex maturity method for estimating the concrete strength based on curing temperature, ambient temperature and relative humidity | статья | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2021, 11(16), 7712  <https://www.mdpi.com/2076-3417/11/16/7712> | JIF 2021: 2.838; Q2, Engineering, Multidisciplinary | Science Citation Index Expanded (SCIE) | CiteScore 2021: 3.7; Percentile: 73%, Engineering: General Engineering | Utepov, Y., Aniskin, A., Tulebekova, A., Zharassov, S., Sarsembayeva A. | Aвтор для корреспонденции |
| 9 | Installation of bored piles with a protective silicate shell of a new design in saline silty-clayey soils | статья | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2021, 11(15), 6935  <https://www.mdpi.com/2076-3417/11/15/6935> | JIF 2021: 2.838; Q2, Engineering, Multidisciplinary | Science Citation Index Expanded (SCIE) | CiteScore 2021: 3.7; Percentile: 73%, Engineering: General Engineering | Unaibayev, B.B., Unaibayev, B.Zh., Alibekova, N., Sarsembayeva A. | Aвтор для корреспонденции |
| 10 | Evaluation of frost heave and moisture/chemical migration mechanisms in highway subsoil using a laboratory simulation method | статья | Cold Regions Science and Technology, E-ISSN:1872-7441, 2017, 133, pp. 26-35. DOI: [10.1016/j.coldregions.2016.10.003](https://doi.org/10.1016/j.coldregions.2016.10.003) | JIF 2017: 1.925; Q2, Geotechnical Engineering and Engineering Geology | Science Citation Index Expanded (SCIE) | CiteScore 2017: 4.0; Percentile: 85%, Geotechnical Engineering and Engineering Geology | Sarsembayeva A., Collins, P. | Первый автор и автор для корреспонденции |
| 11 | A Modified Freeze-Thaw Laboratory Test for Pavement Sub Soils Affected by De-icing Chemicals | статья | Engineering Geology for Society and Territory ISBN 978-3-319-09059-7, 2015, Proceedings of the IAEG XII Congress, Vol. 6. Torino, Sept. 15-19. Switzerland: Springer International Publishing, p. 243-247. DOI 10.1007/978-3-319-09060-3 |  |  |  | Sarsembayeva A., Collins, P. | Первый автор и автор для корреспонденции |

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| 12 | Smart Geotechnics for Smart Societies | книга | Smart Geotechnics for Smart Societies. Proceedings of the 17th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering (17th ARC, Astana, Kazakhstan, 14-18 August, 2023) CRC Press. <https://doi.org/10.1201/9781003299127> |  |  |  | Zhussupbekov, A., Sarsembayeva, A., & Kaliakin, V.N. (Eds.). | *Со-****редактор*** |

**CПИСОК**

**научных и учебно-методических трудов соискателя кандидата технических наук, доктора PhD (Великобритания) Сарсембаевой Асель Сериковны**

**на получение ученого звания ассоциированного профессора (доцента) по направлению «Строительство», опубликованные после получения ученой степени кандидата технических наук (2006 г. – по настоящее время)**

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| **Р/с** **№**  **-**  **№**  **п/п** | **Атауы** **-****Название** | **Баспа немесе**  **қолжазба**  **құқында**  **-**  **Печат. или на правах рукописи** | **Баспа, журнал**  **(атауы, №, жылы, беттерi),**  **авторлық куәліктің, патенттің №**  **-**  **Издательство, журнал (название, год, № страницы),**  **№ авторского свидетельства, патента** | **Баспа беттер**  **-**  **Колич.-во печатных листов** | **Қосалқы авторлардың аты-жөні**  **-**  **Ф.И.О. соавторов** |
| **1** | **2** | **3** | **4** | **5** | **6** |
|  | **Статьи в научных изданиях, рекомендованных КОКСНВО МНВО РК** | | | | |
| 1 | Мониторинг состояния автомобильных дорог в зимний период в городе Нур-Султан | Баспа  Печат. | Вестник ЕНУ им. Л.Н. Гумилева, Серия Технические науки и технологии. ISSN 2616-7263, 2022, 3(140), стр. 104-113.  DOI: <https://doi.org/10.32523/2616-7263-2022-140-3-104-113> | 0.69 | Мусаханова С.Т.,  Сагинов З.С., Жусупбеков А.Ж. |
| 2 | Calculation and modeling of seasonally freezing soils of the highway located near Kosshy town with Frost 3D program | Баспа  Печат. | Astana Bulletin of Eurasian National University named after L.N. Gumilyov, Серия Технические науки и технологии. 4(145)/2023, pp. 162-172  DOI: <https://doi.org/10.32523/2616-7263-2023-145-4-154-164> | 0.69 | S. Mussakhanova, A.Zh. Zhussupbekov  D.W.Chang,  A. R. Omarov |
| **Статьи в международных научных журналах, из базы SCOPUS, Web of Sciences** | | | | | |  |  |  |
| 1 | Bearing Capacity of Precast Concrete Joint Micropile Foundations in Embedded Layers: Predictions from Dynamic and Static Load Tests according to ASTM Standards | Баспа  Печат. | Infrastructures 2024, 9, 104.  <https://doi.org/10.3390/infrastructures9070104>  CiteScore 2023: 5.2; Percentile: 75%, Engineering: Building and Construction.  JIF 2023: 2.7; Q2, Construction and building technology | 1.19 | Omarov, A., Zhussupbekov, A., Nurgozhina,  M., Tleulenova, G., Yeleussinova, A.,  Isakulov, B. |
| **1** | **2** | **3** | **4** | **5** | **6** |
| 2 | Design of Conical Foundations with Increased Bearing Capacity in Areas of Undermined Soils | Баспа  Печат | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2024, 14, 1816. <https://doi.org/10.3390/app14051816> CiteScore 2023: 5.3; Percentile: 79%, Engineering: General Engineering  JIF 2022: 2.7; Q2, Engineering, Multidisciplinary | 1.25 | Zhussupbekov, A. Bazarov B.,  Omarov A. |
| 3 | Numerical modelling micro piles and evaluation of the o-cell test results | Баспа  Печат | News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 2023, 5(461), pp. 190–201. DOI:10.32014/2023.2518-170X.342 CiteScore 2023: 1.8; Percentile: 36%, Earth and Planetary Sciences: Geotechnical Engineering and Engineering Geology <https://www.scopus.com/record/display.uri?eid=2-s2.0-85188582597&origin=resultslist> | 0.69 | Omarov, A.R., Zhussupbekov, A.Zh., Issakulov, A.B., Buranbayeva, A.M. |
| 4 | Evaluation of the Structural Health Monitoring Results of the Applied Fiber Optics in the Pile-Raft Foundations of a High-Rise Building | Баспа  Печат | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2022, 12(22), 11728 <https://doi.org/10.3390/app122211728>  CiteScore 2022: 4.5; Percentile: 75%, Engineering: General Engineering  JIF 2022: 2.7; Q2, Engineering, Multidisciplinary1linary | 1.0 | Buranbayeva, A.,  Zhussupbekov, A.,  Omarov, A. |
| 5 | Evaluation of the Strength Characteristics of Silty-Clayey Soils during Freezing-Thawing Cycles. | Баспа  Печат. | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2022, 12, 802. <https://doi.org/10.3390/app12020802>  CiteScore 2022: 4.5; Percentile: 75%, Engineering: General Engineering  JIF 2022: 2.7; Q2, Engineering, Multidisciplinary | 0.9 | Bragar, E.; Pronozin, Y.; Zhussupbekov, A.; Gerber, A.; Muzdybayeva, T.; Sarabekova, U.Z. |
| 6 | Heat and Mass Transfer by Vapour in Freezing Soils. | Баспа  Печат. | Energies, ISSN:1996-1073, 2022, 15, 1515.  <https://doi.org/10.3390/en15041515>  CiteScore 2022: 5.5; Percentile: 82%, Engineering  JIF 2022: 2.7; Q3, Energy& Fuels | 1.0 | Askar Zhussupbekov; Philip E. F. Collins |
| **1** | **2** | **3** | **4** | **5** | **6** |
| 7 | Development of a unified geotechnical database and data processing on the example of Nur‐Sultan City | Баспа  Печат. | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2021, 11(1), pp. 1–20, 306. <https://doi.org/10.3390/app11010306>  CiteScore 2021: 3.7; Percentile: 73%, Engineering: General Engineering  JIF 2021: 2.838; Q2, Engineering, Multidisciplinary | 1.25 | Zhussupbekov, A. Alibekova, N. Akhazhanov, S. |
| 8 | Experimental study of deicing chemical redistribution and moisture mass transfer in highway subsoils during the unidirectional freezing | Баспа  Печат. | Transportation Geotechnics, ISSN:2214-3912, 2021, 26, 100426.  <https://doi.org/10.1016/j.trgeo.2020.100426> CiteScore 2021: 4.9; Percentile: 75%, Engineering: Civil and Structural Engineering  JIF 2021: 4.938; Q1, Engineering, Civil | 0.8 | Zhussupbekov, A. |
| 9 | Complex maturity method for estimating the concrete strength based on curing temperature, ambient temperature and relative humidity | Баспа  Печат. | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2021, 11(16), 7712  <https://doi.org/10.3390/app11167712> CiteScore 2021: 3.7; Percentile: 73%, Engineering: General Engineering  JIF 2021: 2.838; Q2, Engineering, Multidisciplinary | 0.8 | Utepov, Y., Aniskin, A., Tulebekova, A., Zharassov, S. |
| 10 | Installation of bored piles with a protective silicate shell of a new design in saline silty-clayey soils | Баспа  Печат. | Applied Sciences (Switzerland), E-ISSN: 2076-3417, 2021, 11(15), 6935  <https://doi.org/10.3390/app11156935>  CiteScore 2021: 3.7; Percentile: 73%, Engineering: General Engineering  JIF 2021: 2.838; Q2, Engineering, Multidisciplinary | 1.6 | Unaibayev, B.B., Unaibayev, B.Zh., Alibekova, N. |
| 11 | Evaluation of frost heave and moisture/chemical migration mechanisms in highway subsoil using a laboratory simulation method | Баспа  Печат. | Cold Regions Science and Technology, E-ISSN:1872-7441, 2017, 133, pp. 26-35. <https://doi.org/10.1016/j.coldregions.2016.10.003>  CiteScore 2017: 4.0; Percentile: 85%, Geotechnical Engineering and Engineering Geology  JIF 2017: 1.925; Q2, Engineering Civil | 0.6 | Collins, P. |
| **Публикации в других изданиях РК и РФ** | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** |
| 1 | Calculation and numerical modeling of the effect of heat and mass transfer on the properties of pile foundations in seasonally freezing soils | Баспа  Печат. | Technobius, 2024, 4(1), 0054, DOI: <https://doi.org/10.54355/tbus/4.1.2024.0054> | 0.69 | S. Mussakhanova, A.Zh. Zhussupbekov,  Ph.Collins |
| 2 | The impact of the temperature and humidity state of the road on heat and mass transfer in winter | Баспа  Печат. | Technobius, ISSN: 2789-7338, 2022, 2(4), 0029.  <https://doi.org/10.54355/tbus/2.4.2022.0029> | 0.56 | Collins, Philip.,  Saginov, Zamir,  Mussakhanova , S. |
| 3 | Evaluation of frost heave in clay soils | Баспа  Печат. | Вестник ЕНУ им. Л.Н. Гумилева, Серия Технические науки и технологии. ISSN 2616-7263, 2021, 2 (135), с.14-27. <https://doi.org/10.32523/2616-7263-2021-135-2-14-26> | 0.8 | Zhussupbekov,A.,  Collins, P. |
| 4 | Геоинформационная база данных для мегагородов и новых столиц | Баспа  Печат. | Вестник инженерных изысканий, 2020,10 (49), с. 10-13.  <https://izyskateli.info/2020/11/geoinformaczionnaya-baza-dannyh-dlya-megagorodov-i-novyh-stolicz/> | 0.25 | Жусупбеков А.Ж.,  Алибекова Н.Т. |
| 5 | Vapour transfer in the freezing soils – physical phenomena of the frost heave | Баспа  Печат. | Проблемы инженерной графики и профессионального образования, ISSN 2220-685Х, 2020, 2(57), с.10-13. <https://doi.org/10.32523/2220-685X-2020-57-2-10> | 0.25 | Collins, P.  Slambekova Zh.S. |
| 6 | Борьба с зимней скользкостью на автомобильных дорогах с использованием жидких противогололедных реагентов | Баспа  Печат. | Проблемы инженерной графики и профессионального образования, ISSN 2220-685Х, 2011, №8,9 2011, с.73-82.  [DOI: 10.32523/2220-685X-2011-8-8-82](https://doi.org/10.32523/2220-685X-2011-8-8-82)  <https://bulprengpe.enu.kz/index.php/main/article/view/318/303> | 0.63 | Киялбаев А.К. |
| **Статьи в международных конференциях стран зарубежного и ближнего зарубежья** | | | | | |
| 1 | Smart Geotechnics for Smart Societies | Баспа  Печат. | Book, CRC Press, 2023, pp. xxxi–2672.  ISBN 978-100099253-3, 978-100329912-7, <https://doi.org/10.1201/9781003299127>.  <https://www.scopus.com/record/display.uri?eid=2-s2.0-85171011600&origin=resultslist#metrics> | 167 | Zhussupbekov, A., Kaliakin, V.N. |
| **1** | **2** | **3** | **4** | **5** | **6** |
| 2 | Geomonitoring of the foundation of a high-rise building applied fiber optics | Баспа  Печат. | Proceedings of the 17th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering. Smart Geotechnics for Smart Societies, 2023, pp. 2292-2300. ISBN: 978-1-003-29912-7. Book chapter, *Part of* DOI: [10.1201/9781003299127-354](https://doi.org/10.1201/9781003299127-354) | 0.5 | Buranbayeva, A.,  Mussakhanova, S. |
| 3 | Accumulation of moisture in winter at the base of the road due to the forces of cryosuction on the example of monitoring a highway in Astana, Kazakhstan | Баспа  Печат. | Proceedings of the 17th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering. Smart Geotechnics for Smart Societies, 2023, pp. 2630-2637. ISBN: 978-1-003-29912-7.  Book chapter. *Part of* DOI: [10.1201/9781003299127-409](https://doi.org/10.1201/9781003299127-409) | 0.4 | Saginov, Z.,  Tolkynbayev, T., Mussakhanova, S. |
| 4 | Preliminary Assessment of the Bearing Capacity of Soils Using a Geotechnical Database | Баспа  Печат | Lecture Notes in Networks and Systems, ISBN 978-3-031-21431-8, 2023, 574 LNNS, pp. 3065–3074. <https://doi.org/10.1007/978-3-031-21432-5_338> CiteScore 2023: 0.9; Percentile: 13%, Engineering: Control and Systems Engineering | 0.63 | Zhussupbekov, A.,  Alibekova, N. |
| 5 | Heat and Mass Transfer in the Freezing Soils. | Баспа  Печат. | Lecture Notes in Civil Engineering, ISSN 2366-2557, ISBN 978-981-16-9962-7, Zhu H.H., Garg A., Zhussupbekov A., Su L.J. (eds) Advances in Geoengineering along the Belt and Road. BRWSG 2021. vol. 230. Springer, Singapore. pp 12–32.  <https://doi.org/10.1007/978-981-16-9963-4_2>  CiteScore 2022: 0.7; Percentile: 11%, Civil and Structural Engineering | 1.3 | Zhussupbekov A., Collins P. |
| 6 | Расчет миграции пара в мерзлых грунтах | Баспа  Печат. | Современные исследования трансформации криосферы и вопросы геотехнической безопасности сооружений в Арктике, Cборник трудов конференции, ISBN: 978-5-6046108-4-8, 2021, Издательство: ФГУП «Издательство «Наука», c. 366–369. SDI: 007.001.978-5-6046108-4-8, DOI: 10.7868/9785604610848099 | 0.25 | Жусупбеков А.Ж.,  Коллинз Ф. |
| 7 | Evaluation of frost heave and the temperature-moisture migration relationship using a modified laboratory method | Баспа  Печат. | Proceedings of the XVI ECSMGE Geotechnical Engineering for Infrastructure and Development Edinburgh, ISBN 978-0-7277-6067-8, 2015, UK: Institution of Civil Engineers, p. 3341-3346.  <https://10.1680/ecsmge.60678> | 0.3 | Collins, P. |
| **1** | **2** | **3** | **4** | **5** | **6** |
| 8 | Freezing and thawing characteristics in highway pavements and subgrade in conditions of Kazakhstan. | Баспа  Печат. | Proceedings of 20th International Conference on Soil Mechanics and Geotechnical Engineering. Editors M. Rahman, M. Jaksa. Published by: Australian Geomechanics Society, 2022. p. 3981-3985/ ISBN 978-0-9946261-4-1. <https://www.issmge.org/uploads/publications/1/120/ICSMGE_2022-681.pdf> | 0.3 | Teltayev, B.,  Suppes, E., Tileu, K. |
| 9 | A Modified Freeze-Thaw Laboratory Test for Pavement Sub Soils Affected by De-icing Chemicals | Баспа  Печат. | Engineering Geology for Society and Territory ISBN 978-3-319-09059-7, 2015, Proceedings of the IAEG XII Congress, Volume 6. Torino, September 15-19. Switzerland: Springer International Publishing, p. 243-247.  <https://doi.org/10.1007/978-3-319-09060-3_39> | 0.3 | Collins, Ph. |
| 10 | Smart foundations for undermined and seismically affected territories | Баспа  Печат. | Geotechnical Engineering Challenges to Meet Current and Emerging Needs of Society. Proceedings of the XVIII ECSMGE 2024. ISBN 978-1-032-54816-6, Lisbon, September 17. CRC Press, p. 995–1000.  <https://doi.org/10.1201/9781003431749> | 0.38 | Zhussupbekov A., Bazarov B.,  Omarov, A., Mussakhanova, S. Mukhanov D. |
| **Учебные и учебно-методические пособия** | | | | | |
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| **Патенты, авторские свидетельства** | | | | | |
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