


CURRICULUM VITAE

 BURGUMBAYEVA SAULE KAIRBEKOVNA Associate professor of higher mathematics department of the Mechanics and Mathematics faculty, L.N. Gumilyov National Eurasian University. Contact information: e-mail: saulenai@mail.ru	Scientific degree: Ph.D., specialty: «6D060100 – Mathematics».
	Scientific interests: The differential equations, the complex analysis, mathematical methods in economy, methods of teaching mathematics
	Author's courses: Financial mathematics, the theory of differential and integral calculus in a school course of mathematics, higher mathematics
	Publications (selected): 1. Cauchy problem for a class of elliptic systems of third order in the plane with Fuchsian differential operator // General Mathematics. Sibiu-Pomania, 2010. Vol. 18. №2. –P. 133-141. 2. Two tri-harmonic hybrid Green-Neumann functions for the unit disc // The 4 th Congress of the Turkic World Mathematical Society (TWMS). Baku- Azerbaijan, 2011. –P. 183 3. Mathematical description of the dynamics of economic development of Kazakhstan // "Bulletin of the Zhezkazgan University named after O. A. Baikonurova". - Zhezkazgan. 2015-pp. 367-369. 4. Analysis of economic development of Kazakhstan // entry entry. Economic series. - Astana. 2016-P. 558-567. (coauthor Dzhumabayeva D. G.).

<p>Professional experience: 2014 – till present vice-dean of mechanics-mathematics faculty for scientific work of the L.N. Gumilyov Eurasian National University;</p> <p>2009 - till present associate professor of the higher mathematics of the L.N. Gumilyov Eurasian National University;</p> <p>2005-2009 teacher of department of “Methods of Mathematical Modelling” of the L.N. Gumilyov Eurasian National University;</p> <p>2003-2005 the mathematics teacher at school lyceum №21 of Almaty.</p> <p>2000-2003 mathematics teacher and information scientists of school №1. Ayagoz of the East Kazakhstan region.</p>	<p>5. Analysis, factors and dynamics of economic development of the regions of Kazakhstan // Economic Forum "economic development of the region: Management, Innovation, personnel training".2016-P. 134-142. Barnaul (Russia). (co-author D. G. Dzhumabaeva).</p> <p>6. Educational post "financial mathematics. Interest rates and fees". // Educational and methodical manual. Publishing house "Nur-print", Almaty, 2016 ISBN 978-601-7900-42-7 (et al.Mynbaeva E. N.).</p> <p>7. Remark on Robin Problem for Poisson equation // Complex Variables and Elliptic Equations. An International Journal. ISSN: 1747-6933. P.1747-6941 (co-author G.Beger)</p> <p>8. Forecasting exchange rate volatility // Materials of the international scientific conference of young scientists "Accelerating diversification and increasing the competitiveness of the national economy of Kazakhstan based on potential opportunities". – Astana. 2017 – p.306-309 (co-author Karachun I.A.).</p> <p>9. A tri-harmonic Neumann function for the unit disc// Bulletin of the Karaganda University, Mathematics series. №4(92)/2018. –P.29-37. (Web of science, Scopus)</p> <p>10. Green, Neumann functions for a plane degenerate circular domain//Analysis, Probability, Applications and Computation proceedings of the 11th ISAAC congress, Sweden 2017. Springer Nature Switzerland AG 2019, ISSN 2297-0215, ISBN 978-3-030-04458-9. – P 141-152. https://doi.org/10.1007/978-3-030-04458-9. Scopus</p> <p>11. Higher mathematics// The educational and methodical manual. Academic Council of L.N. Gumilyov ENU Protocol №10 or 25.02.2019, Nur-Sultan,. – P. 156 Short abstract of lectures UDK 57(075), ISBN 978-601-300-104-3 TECHSMITH Almaty, 2020</p> <p>12. Harmonic Green functions for the Almaty apple// Complex Variables and Elliptic Equations. Q2-Импакт фактор-0.82 An International Journal. ISSN: 1747-6933 (https://doi.org/10.1080/17476933.2019.1681413)</p> <p>13. Probabilistic model of error distribution for satellite navigation// AIP Conference Proceedings 2174, 020193 (2019); Scopus.com https://aip.scitation.org/doi/10.1063/1.5134344</p> <p>14. Practice-oriented education in school mathematics//ISSN 2520-2634, eISSN 2520-2650 Bulletin of Al-Farabi KazNU No.4 (61), -P.128-135. 2019 y. https://bulletin-orientalism.kaznu.kz ARTI 14.25.09 https://doi.org/10.26577/JES-2019-4-p12.</p> <p>15. The use of methods of unbiased estimates for probabilities in agricultural research// Monograph. LAP Lambert Academic Publishing. –P.109, 2020 y. ISBN:978-620-2-92115-2</p> <p>16. Saule K. Burgumbayeva, Aidana N. Kassanova, An extension of Bhatia and Kittaneh’s result and its application // advances in operator theory.– 2023. (Q2). Doi: 10.1007/s43036-022-00236-8 https://www.webofscience.com/wos/author/record/43860014</p>
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	<p>17. Myrzagali Ospanov, Saule Burgumbayeva, On Yong Type Inequalities of Measurable Operators, ABSTRACT BOOK of the conference ICAAM 2022 Edited by Charyyar Ashyralyev, Abdullah S. Erdogan, Mahmud A. Sadybekov October 31 – November 6, 2022. PP.68 Bahcesehir University, Turkey</p> <p>18. Problems and state of qualification testing of teachers of the Republic of Kazakhstan (in natural science subjects)// Вестник ЕНУ // No1(142)/2023 // ISSN:2616-6895, eISSN:2663-2497 https://bulpedps.enu.kz/index.php/main/article/view/309/77</p>
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Over the years, he has taught the following disciplines at the university: "Linear Algebra and Analytical Geometry", "Econometrics", "Probability Theory and Mathematical Statistics", "Fundamentals of Mathematical Analysis", "Financial Mathematics", "Higher Mathematics", "Higher Mathematics", "Mathematics 1", "Mathematics 2", "Differential equations", "Differential and integral calculus in the school mathematics course", "Solving Olympiad problems in mathematics". Conducts all types of training sessions at a high scientific and methodological level. Since 2014, he has been teaching disciplines in English: "Calculus 1-2", "Elementary mathematics", "Analytical geometry".

Under her scientific supervision, 14 master's theses were defended (Mynbaeva E.N., Aitkazy Zh., Myrzagali Zh., Musagalieva A., Seilkhanova A., Zhumadilla M., Mukhametzhan S., Pashenova P., Sagynova A., Yelubai T., Naviy Gulzhan, Zholdybalina Nazgul, Omar Tansholpan, Abubakirova Akmaral).

In 2017, for her active work in the field of science and education, S.K. Burgumbayeva was awarded a letter of thanks from the Minister of Education and Science of the Republic of Kazakhstan E.Sagadieva.

In 2018, for her active work in the field of science and education, S.K. Burgumbayeva was awarded the diploma of the Minister of Education and Science of the Republic of Kazakhstan E.Sagadieva.

In 2018, the winner of the state grant "The best university teacher - 2018" of the Ministry of Education and Science of the Republic of Kazakhstan.

Scientific activity

Burgumbayev S. K. published more than 70 scientific publications, more than 10 publications in the base of international rating journals Scopus and Web of Science, 6 – educational and methodological publications, 1-monographs, 12 - author's publications on the object state law, 5 – Electronic teachers. "The author of" "financial mathematics" "is Burgumbayeva S. K., Mynbaeva E. N. more than 10 Russian universities, which use these educational posts in their

educational programs to prepare the discipline "financial mathematics". Hirsch index (scientific metric indicator) - 3 based on Scopus.

From 2018-2020 GG. leading scientific collaborator on the topic of the project: AP05135819 "economic and mathematical model of increasing competitiveness of agricultural products in the conditions of sustainable development of the APC". Priority: scientific foundations "Mangilik EL" (Education XXI century, fundamental and Applied Research in the field of humanitarian science 2018-2020 GG.).

C 2022-2024 executor project po GF from Mvoin RK AP14871523 "non-commutative H^p -spaces associated with non-subdiagonal subalgebras ($0 < p < 1$)" (nature-scientific direction)

Professional development:

1. 2013 foreign internship on the course "Enhancing Learning and Teaching in Higher Education" at the University of Newcastle (UK).
2. 2013 advanced training of university teaching staff at the course "Professional development of pedagogical specialties in universities of the Republic of Kazakhstan" 240 hours. JSC "National Center for Advanced Training "Orleu"". Almaty.
3. 2015 advanced training course "Financial optimization" 72 hours, Belarusian State University (Minsk)
4. 2016. course training based on the platform of mass open online courses in English on professional activity - Certificate of English Discoveries Online and has reached Basic 3 exit level
5. 2018 advanced training of university teaching staff on the course "Modern information and Communication Technologies (ICT) in the industry application" on the basis of the Institute of Advanced Training and Additional Education of L.N.Gumilev ENU, Astana
6. 2018 advanced training of university teaching staff under the "Erasmus+" teaching mobility program at the University of Opole (Poland)