

DALKHAT M. EDIEV

Born: 12.03.1972

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AFFILIATIONS: Vice-Rector for Research, IT and Cooperation, Professor at North-Caucasian State Academy (Russia); Professor at the Lomonosov Moscow State University (Russia); IIASA Associate at the International Institute for Applied Systems Analysis (Austria).

EDUCATION, DEGREES, EVALUATION:

2021 Coursera: Machine Learning and Deep Learning from Stanford and DeepLearning.AI
(Credential IDs: [LE3TPSS36LRB](#), [C6SAJTWVYDH8](#), [P7RMFZKZQ7RT](#), [4EACJC2PVFPH](#), [STHCTRYZULWA](#))

2012 Evaluated to hold a permanent position at the Vienna Institute of Demography of Austrian Academy of Sciences (27.07.2012).

2008 Doktor Nauk in Physical-Mathematical Sciences by the Russian Highest Attestation Commission (ДЦН № 008510, 10.10.2008)

2002 Docent degree in mathematics by the Russian Highest Attestation Commission (ДЦН № 018209, 17.07.02)

1999 Ph.D. in “Theoretical foundations of mathematical modeling, numerical methods, and computer software” by the Russian Highest Attestation (KT № 019305, 17.12.99)/ Defended at Moscow Institute of Physics and Technology. PhD thesis: "**Demographic and Economic-Demographic Potentials**"

1997 EU (TACIS) funded course in Life Insurance, Moscow State University

1993 Master of Sciences degree in applied economics and computers (ИИБ № 223402, 30.06.93), Moscow Institute of Physics and Technology. Thesis: "**Modeling the Market Participants' Behavior**"

1993 Applied mathematics and physics. Par excellence Diploma of graduating (ИИБ № 223402, 30.06.93), Moscow Institute of Physics and Technology

PROFESSIONAL ACTIVITY:

01.12.16 to present Vice-Rector for Research, IT and Cooperation and Professor at the North-Caucasian State Academy (Cherkessk, Russia)

01.09.17 to present Professor at the Lomonosov Moscow State University (Moscow, Russia)

01.06.13 to present IIASA Associate, (Guest) Research scholar at the International Institute for Applied Systems Analysis at the Wittgenstein Centre for Demography and Global Human Capital (Laxenburg, Austria)

01.09.14 to 01.12.16 Director of the Institute for applied mathematics and information technologies and Professor at the North-Caucasian State Academy (Cherkessk, Russia)

2009 to 2015 Lecturer at the European Doctoral School in Demography (EDSD)

01.08.06-01.03.15 Senior Scientist at the Vienna Institute of Demography of Austrian Academy of Sciences

29.11.00-01.08.06 Docent of the Karachay-Cherkessian State Technological Academy (lecturing in: Theory of Probability and Statistics, Mathematical Demography,

- Econometrics, Simulation and Monte-Carlo Methods; supervising graduate and post-graduate research in mathematical demography; holding scholar workshop on mathematical modeling and mathematical economics)
- 01.09.04-01.08.06 Dean of the Distant Education Department of the Karachay-Cherkessian State Technological Academy
- 01.10.05-31.12.05 Researcher at the Vienna Institute of Demography of Austrian Academy of Sciences
- 01.06.02-01.06.03 Deputy Dean of the Distant Education Department
- 01.02.98-29.11.00 Senior Teacher of the Karachay-Cherkessian State Technological Academy (lecturing in: Theory of Probability and Statistics, Mathematical Demography, Econometrics, Simulation and Monte-Carlo Methods, Economic-Mathematic Methods and Models; supervising graduate and post-graduate research in mathematical demography)
- 23.01.00-23.05.00 Visiting Faculty at the Iowa State University, USA
- 01.11.94-01.11.97 Post graduate of the Moscow Institute of Physics and Technology
- 25.08.93-08.11.94 Assistant Teacher of the Karachay-Cherkessian State Technological Institute

RESEARCH INTERESTS: Applied demographic methods and models; Mathematical models, software implementations and applications; Population change and projections; Population ageing; Formal demography

EDITORSHIP, REVIEWING: Genus (editorial board member), Vienna Yearbook of Population Research (guest Editor and Reviewer), Demographic Research (member of the Scientific Reviewing Board),. Additionally, reviewing for journals: Demography, Population Studies, European J of Population, PlosONE, Vienna Yearbook of Population Research, American J of Epidemiology, International J of Forecasting, J of Bioeconomics, Biometrical Journal, Environment and Planning, Demographic Studies, etc.

EXPERT: Member of the Scientific-Expert Council at the Head of the Upper House (Federation Council) of the Russian Parliament (2007-2012).
Member of the Coordination Council for Youth in Science and Education at the Council of the President of Russian Federation for Science, Technology and Education (2007-2009).
Reviewing and expertise for: ERC (European Research Council), FNRS (Belgium National Scientific Funding Agency), Swedish National Scientific Funding Agency (RIKSBANKENS JUBILEUMSFOND), THE (Times Higher Education ranking), Elsevier Expert Board member.

PROFESSIONAL SOCIETIES: International Union for the Scientific Study of Population (IUSSP), European Association for Population Studies (EAPS), Population Association of America (PAA), Asian Population Association (APA)

RESEARCH PROJECTS and SUPPORT:

- 2021- Participant, 20-510-82002 «**Demographic consequences of COVID-19 for short and long term population dynamics in Russia and its regions**», joint project funded by the Russian Foundation for Basic Research and IIASA
- 2021- Participant, **ERC Project 957509 «Fair Pensions and Population Ageing (PenAging)»**
- 2020-2021 Leader, 19-31-90102 «**Mathematical models, methods and software for monotone spline interpolation of demographic indicators with non-local smoothness conditions imposed on the interpolation spline**», Russian Foundation for Basic Research

- 2018-2020** Leader, **18-01-00289 «Mathematical models and methods of correcting the distortions of the age structure and mortality rates of elderly population»**, Russian Foundation for Basic Research
- 2018-2020** Participant, **18-010-01169 «Demographic changes and economic growth»**, Russian Foundation for Basic Research
- 2013-2018** Participant, **ERC Project «ERC2012-AdG 323947-Re-Ageing»**
- 2006-2008** Participant, **EU TACIS Project «System of current estimation, analysis and forecasting of number and structure of households in the periods between censuses»**
- 2007** Participant, **«Analysis, evaluation and adjustment of extensive models for mortality projections»**, research project funded by Statistik Austria
- 2005-2006** Leader, **05-06-80432 “Development of mathematical models and methods for estimating the reproduction indicators for a small-sized population”**, Russian Foundation for Basic Research
- 2005-2009** Membership at IUSSP covered by UNFPA
- 2002-2003** Leader, **“Demographic losses of deported soviet peoples”**, McArthur Foundation.
- 2002-2003** Leader, **“Development of the demographic potential model”** funded by the Russian Ministry of Education
- 2002-2006** Access to JSTOR funded by EERC-Russia
- 2000** Leader, **“Demographic history of US and other countries”**, Regional Scholar Exchange Program (U.S. State Department's Bureau of Educational and Cultural Affairs)

JOURNAL PUBLICATIONS, BOOKS AND CHAPTERS

1. Ediev, D. M. 2021 (accepted). Age exaggeration ruses: infrequent age overstatement distorts the mortality curve at old age. In: “The Springer Series on Demographic Methods and Population Analysis”, Vol. 4 “Quantitative Methods in Demography and Related Applications in the Covid-19 Era”. Cham, Switzerland: Springer. Forthcoming.
2. Ediev, D. M., Erkenov H.A. 2021 (accepted). Local smoothness of interpolation spline: does it matter for graduating the demographic data? *Mathematical Models and Computer Simulations* 6(21). Forthcoming.
3. Bacer N. 2021. Short history of mathematical population dynamics (in Russian). Editors of Russian translation: Volpert V. A., Ediev D. M. Paris: Cassini. ISBN 979-10-343-8016-9. 184 pp.
4. Ediev, D. M. 2021. On existence and uniqueness of remaining life expectancy estimates in the model of stable population. *Mathematical modelling* 3(33): 73-84. <https://doi.org/10.20948/mm-2021-03-05>
5. Ediev, D. M. 2020. Demographics of the Russian Pension Reform. In: *Demography of Population Health, Aging and Health Expenditures*. pp. 111-131 Cham, Switzerland: Springer. ISBN 978-3-030-44694-9 [10.1007/978-3-030-44695-6_9](https://doi.org/10.1007/978-3-030-44695-6_9).
6. Ediev, D. M. 2020. Mortality Projection. In: *Encyclopedia of Gerontology and Population Aging*. pp. 1-9 Cham, Switzerland: Springer. [10.1007/978-3-319-69892-2_557-1](https://doi.org/10.1007/978-3-319-69892-2_557-1).
7. Ediev D.M., F.Katchieva. 2020. Consistency of Whipple and Miers age heaping indices on demographic data. *Proceedings of North-Caucasian State Academy 1 2020*: 15-26.
8. Ediev, D. 2019. On the sources of instability of the Mitra model for years of life at old-age. *Communications in Statistics: Case Studies, Data Analysis and Applications*, 86-96. [10.1080/23737484.2019.1682485](https://doi.org/10.1080/23737484.2019.1682485).
9. Ediev, D.M. 2019. On statistical dependency of life expectancy from mortality level in a given age. *Voprosy Statistiki* 6(26): 39-46. [DOI](https://doi.org/10.1007/978-3-319-69892-2_557-1).
10. Ediev D.M. 2019 Relational spline-model for interpolating demographic data and population projections. In: Eurostat-UNECE Work Session on Demographic Projections. Eurostat-UNECE Belgrade, Serbia. P.1-11.
11. Ediev, D., Sanderson, W., & Scherbov, S. 2019. The inverse relationship between life expectancy-induced changes in the old-age dependency ratio and the prospective old-age dependency ratio. *Theoretical Population Biology* 125, 1-10. [10.1016/j.tpb.2018.10.001](https://doi.org/10.1016/j.tpb.2018.10.001).
12. Borlakov H.Sh., D.M. Ediev, A.H. Borlakova. 2019. On existence of orbital ferromagnetism in Jahn-Teller crystals containing T2g-ions. *Proceedings of Kabardino-Balkar State university* 2(9): 39-43.
13. Scherbov, S., Shulgin, S., Andruchowicz, S., Arkhangelsky, V., Ediev, D., Efremov, I., Nikitina, S., & Sanderson, W. 2019. Russian Demographic Data Sheet 2019. Russian Presidential Academy of National Economy and Public Administration (RANEPA), Russian Federal State Statistics Service (Rosstat), and International Institute for Applied Systems Analysis (IIASA)
14. Ediev, D. 2018. Expectation of life at old age: revisiting Horiuchi-Coale and reconciling with Mitra. *Genus* 74 (1) [10.1186/s41118-018-0029-7](https://doi.org/10.1186/s41118-018-0029-7).
15. Gisser, R. & Ediev, D. 2018. Having Ancestors Alive: Trends and Prospects in Ageing Europe. In: *Analytical Family Demography*. Eds. Schoen, R., pp. 241-274 Cham, Switzerland: Springer. ISBN 978-3-319-93226-2 [10.1007/978-3-319-93227-9_11](https://doi.org/10.1007/978-3-319-93227-9_11).

16. Ediev, D. 2017. Constrained Mortality Extrapolation to Old Age: An Empirical Assessment. *European Journal of Population* 34 (3), 441-457. [10.1007/s10680-017-9434-4](https://doi.org/10.1007/s10680-017-9434-4).
17. Scherbov, S., Andruchowitz, S., Ediev, D., Nikitina, S., & Shulgin, S. 2017. Russian Demographic Data Sheet 2016. RANEPa, Rosstat, and IIASA
18. Sánchez-Romero, M., Ediev, D., Feichtinger, G., & Prskawetz, A. 2017. How many old people have ever lived? *Demographic Research* 36, 1667-1702. [10.4054/DemRes.2017.36.54](https://doi.org/10.4054/DemRes.2017.36.54).
19. Ediev, D.M., M.M. Yüceşahin. 2016. Contribution of migration to replacement of population in Turkey. *Migration Letters* 13(3): 377-392. - [link](#)
20. Scherbov S., D.M. Ediev. 2016. Does selection of mortality model make a difference in projecting population ageing? *Demographic Research*. 34(2): 39-62. - [link](#)
21. Ediev, D.M. 2014. Why increasing longevity may favour a PAYG pension system over a funded system: Increasing longevity and pension systems. *Population Studies*. 68(1): 95-110. - [link](#)
22. Ediev, D.M., D. Coleman and S. Scherbov. 2014. New Measures of Population Reproduction for an Era of High Migration. *Population, Space and Place*. 20(7): 622-645. - [link](#)
23. Ediev, D.M. 2013. Mortality compression in period life tables hides decompression in birth cohorts in low-mortality countries. *Genus* 69(2): 53-84. - [link](#)
24. Ediev, D.M. 2013. Decompression of period old-age mortality: when adjusted for bias, the variance in the ages at death shows compression. *Mathematical Population Studies* 20(3): 123-136 - [link](#)
25. Ediev, D.M. 2013. Why increasing longevity may favour a PAYG pension system over a funded system: Increasing longevity and pension systems. *Population Studies*. DOI: 10.1080/00324728.2013.780632. - [link](#)
26. Yépez-Martínez, B., J. López-Colás, D. Ediev, J. A. Módenes. 2013. Proyecciones de Hogares y previsión de demanda de viviendas en Venezuela. In: Cavenaghi, S. M. *Estimaciones y proyecciones de población en América Latina: desafíos de una agenda pendiente (Serie e-Investigaciones de ALAP, N. 2)*, Rio de Janeiro : ALAP. P. 175-211. - [link](#)
27. Ediev, D.M., S. Yavuz and M.M. Yüceşahin. 2012. Private households in Turkey: Big changes ahead. *Population Review*. 51(1): 28-49. - [link](#)
28. Gisser, R., Ediev, D. 2012. Österreichs Familien 2032 – neue Aspekte. In: Lutz, W., Strasser, H. (Eds.) *Österreich 2032. Festschrift zum 80. Geburtstag von Gerhart Bruckmann*. Wien 2012. Pp. 63-102.
29. Ediev D., M. Mamolo, M. Potancokova, S. Scherbov, T. Sobotka, K. Zeman. 2012. *European Demographic Datasheet 2012*. Vienna, Vienna Institute of Demography.
30. Ediev, D.M. 2011. Life Expectancy in Developed Countries Is Higher Than Conventionally Estimated. Implications from Improved Measurement of Human Longevity. *Journal of Population Ageing*. 4(1-2): 5-32. - [link](#)
31. Ediev, D.M. 2011. Robust Backward Population Projections Made Possible. *International Journal of Forecasting*. 27(4): 1241-1247. - [link](#)
32. Scherbov, S. and Ediev, D.M. 2011. Significance of life table estimates for small populations: Simulation-based study of standard errors. *Demographic Research*, 24(22): 527-550. - [link](#)
33. Ediev, D.M. 2010. On the reproductive value and the spectrum of a population projection matrix with implications for dynamic population models. *Theoretical Population Biology*, 78(2): 67-70. - [link](#)
34. Coleman, D., Ediev, D.M. 2010. (Editors). *Vienna Yearbook of Population Research 2009*. Verlag der Österreichischen Akademie der Wissenschaften. 233 pp.
35. Ediev, D.M. 2009. On the definition of the reproductive value: response to the discussion by Bacaër and Abdurahman. *Journal of Mathematical Biology*, 59(5): 651-657. - [link](#)
36. Ediev, D., A. Goujon, W. Lutz & M.A. Springer. 2009. *From Vienna to Marrakech: 50 years of independent IUSSP conferences. 1959-2009*. Vienna, Vienna Institute of Demography. 16 pp.
37. Ediev, D.M. 2009. Demographic problems and prospects of Russian Far East. In: Scientific-Expert Board at the Head of the Council of Federation of Federal Assembly of Russia. *Rus Easter region in socio-political space of Russia: problems and ways to their solution*. Moscow: 2009. P. 44-52.
38. Ediev, D.M. 2008. *Theory and applications of demographic potentials*. Dissertation for seeking the degree of Doctor of physical-mathematical sciences. Cherkessk. 356 pp.
39. Ediev, D.M. 2008. Book review: Robert Schoen (ed.): *Dynamic Population Models*. *European Journal of Population*, 24(1): 119-124. – doi: 10.1007/s10680-007-9140-8.
40. Ediev, D.M. 2007. *Demographic potentials: theory and applications*. Moscow: Max-PRESS. 348 pp. In Russian.
41. Ediev, D.M. 2007. On an extension of R.A. Fisher's result on the dynamics of the reproductive value. *Theoretical Population Biology*, 72(4): 480-484. - [link](#)
42. Tebuev Dj. B., Ediev D. M. 2007. Application of simulation modelling to estimating efficiency of life table constructing methodology. In: *Demographic studies. No. 13. Mortality. Tendencies, methods, forecasts*. Moscow: Max-Press. P. 175-191.
43. Ediev, D.M. 2006. On the role of mean age of the parent at childbearing in long-term demographic dynamics. *Voprosy Statistiki*, No.11 (2006). P. 23-31. In Russian.
44. Ediev D. M. 2006. On spectral and asymptotic properties of general discrete population models // *Izvestia VUZov. Severokavkazsky region (Natural Sciences series)*, No. 4 (2006): 7-16. In Russian
45. Tebuev Dj. B., Ediev, D.M. 2006. On modeling the survival processes under incompleteness of data and small population size. *Izvestia TRTU*. No. 3 (58): 296-299. In Russian

46. Ediev, D.M. 2005. On a Model of Estimating the Optimal Strategies of Recovering the Demographic Losses of Russia. *Mathematical Modeling*, Vol. 17, №10 (2005): 113-126. In Russian
47. Ediev, D.M. 2005. On Non-Extendibility of the Class of Monotonic Measures of the Population's Age Structure Convergence to the Structure of Asymptotically Equivalent Stable Population. *Izvestia VUZov. Severo-Kavkazsky Region (Natural Sciences series)*, No. 1 (2005): 32-33. In Russian
48. Ediev, D.M. and Tebuev Dj. B. 2005. On the combined method of estimating the life table for a small population. *Izvestia VUZov. Severo-Kavkazsky Region (Natural Sciences series)*, No. 2 (2005): 27-31. In Russian
49. Ediev, D.M. 2004. On Comparing the Age Structures of Real Populations. *Voprosy Statistiki*, No.10 (2004). P. 16-27. In Russian (Review article)
50. Ediev, D.M. 2004. On Monotonic Measures of the Population's Age Structure Convergence to the Structure of Asymptotically Equivalent Population. *Izvestia TRTU*. No. 8 (2004). P. 302-303. In Russian
51. Ediev D. M. 2004. Estimation of the population of Crimean Tatars based on materials of post-war population censuses of USSR. In: Danilova I. A., Denisenko M. B. (Eds.) *Population and Crises: regional and ethnic peculiarities of demographic development in Russia and USSR*. Moscow: Max-Press. – Vol. 10. P. 138-150.
52. Ediev, D.M. 2003. *Demographic losses of deported soviet peoples*. Stavropol: AGRUS, Stavropolservisshkola, 2003. 336 pp. In Russian
53. Ediev, D.M. 2003. On Monotonic Convergence to Stability. *Demographic Research*, Vol.8, Article 2. P. 31-60. - [link](#)
54. Ediev, D. M. 2003. The Concept of Demographic Potential and Its Applications. *Mathematical Modeling*. Vol. 15, No. 12 (Dec., 2003): 37-74. In Russian (Review article)
55. Ediev, D.M. 2002. On Conditions of Monotonic Convergence of Population Structure to the Structure of Stable Equivalent Population in Quadratic Distance within the Model of Reproduction of Demographic Potential. *Izvestia VUZov. Severo-Kavkazsky Region (Natural Sciences series)*, No. 4 (2002): 3-6. In Russian
56. Ediev, D.M. 2001. Application of the Demographic Potential Concept To Understanding the Russian Population History and Prospects: 1897-2100. *Demographic Research*, Vol.4, Article 9: 289-336. - [link](#)
57. Ediev, D.M. 1999. *Optimization: Convex and Linear Programming*. Cherkessk: Karachay-Cherkessian State Technological Institute. 84 pp.
58. Ediev, D.M. 1999. *Demographic and Economic-Demographic Potentials*. Dissertation for seeking the degree of Candidate (PhD thesis) of physical-mathematical sciences. Moscow: Moscow Institute of Physics and Technology. 206 pp.

Other selected publications:

1. Ediev, D. M. 2020. Population heterogeneity is a critical factor of the kinetics of the COVID-19 epidemics. medRxiv 10.1101/2020.06.25.20140442.
2. Ediev, D. 2017. Expectation of life at old age predicted from a single death rate: Models and applications. IIASA Working Paper. IIASA, Laxenburg, Austria: WP-17-018
3. Ediev, D., Sanderson, W., & Scherbov, S 2016. The Formal Demography of Prospective Age: The Relationship Between the Old-Age Dependency Ratio and the Prospective Old-Age Dependency Ratio. IIASA Working Paper. IIASA, Laxenburg, Austria: WP-16-024.
4. Ediev, D.M. 2014. Shift and Compression of Mortality at Old Age: A Conservative Scenario. IIASA Interim Report IR-14-004. - [link](#)
5. Ediev, D.M. 2011. A note on the compression of mortality. Vienna, Vienna Institute of Demography of Austrian Academy of Sciences. *European Demographic Research Paper* 3/2011. - [link](#)
6. Ediev, D.M. 2011. At Modal Age at Death, the Hazard Rate is Determined by its Derivative. Vienna, Vienna Institute of Demography of Austrian Academy of Sciences. *Working paper* WP 08/2011. - [link](#)
7. Ediev, D.M. 2008. On the Theory of Distortions of Period Estimates of the Quantum Caused by the Tempo Changes. Vienna Institute of Demography, *European Demographic Research Paper* 3/2008. - [link](#)
8. Ediev, D.M. 2008. Extrapolative Projections of Mortality: Towards a More Consistent Method. Part I: The Central Scenario. Vienna, Vienna Institute of Demography of Austrian Academy of Sciences. Working paper WP 03/2008. 50 pp. - [link](#)
9. Ediev, D., D. Coleman, and S. Scherbov. 2007. Migration as a Factor of Population Reproduction. Vienna Institute of Demography *European Demographic Research Papers* 1/2007. 57 pp. - [link](#)
10. Ediev D. M. 2007. On Projecting the Distribution of Private Households by Size. *Vienna*, Vienna Institute of Demography of Austrian Academy of Sciences. Working paper WP 04/2007. 54 pp. - [link](#)
11. Ediev, D. and R. Gisser. 2007. Reconstruction of the historical series of life tables and of age-sex structures for the Austrian population in 19th-first half of 20th centuries // *Vienna Yearbook of Population Research*. 2007: 327-355. (Non-refereed section.)
12. Ediev, D.M. 2007. An approach to improve the consistency of mortality projections obtained by the Lee-Carter method // Eurostat methodologies and working papers. Work session on demographic projections. Bucharest, 10-12 October 2007. Luxembourg: Office for Official Publications of the European Communities. P. 101-115.
13. Scherbov, S. and Ediev, D.M. 2007. Probabilistic household projections based on an extension of headship rates method with application to the case of Russia // Eurostat methodologies and working papers. Work session on demographic projections. Bucharest, 10-12 October 2007. Luxembourg: Office for Official Publications of the European Communities. P. 277-291.

14. Ediev D. M. 2006. Age structure of Russian Mortality: Continuity of Change? Reflection of the crisis mortality structure in the average demographic potential dynamics. *Mortality in countries of the former USSR. Fifteen years after break-up: change or continuity?* Kiev, 2006. P. 55-66.
15. Ediev D. M. 2006. Method of monitoring the demographic processes using the results from the theory of demographic potential. *Demographic crisis as a threat to regional development in Russia: ways to overcome. Proceedings of Russian scholar conference.* Moscow: Social Development Foundation. P. 280-283.
16. Ediev D. M. 2005. Long-Term Effects of Childbearing Postponement. Vienna, Vienna Institute of Demography of Austrian Academy of Sciences. Working paper WP 09/2005. 18 pp. - [link](#)
17. Ediev D. M. 2005. On modeling the optimal strategies of overcoming the demographic crisis of Russia. In: *Population policy: State of the art and perspectives: IV Valenty readings.* Moscow, Moscow State University. P. 46-51.
18. Ediev D. M. 2005. On using the demographic potentials concept in developing the multi-level system of monitoring and controlling the efficiency of demographic policy. In: *Population policy: State of the art and perspectives: IV Valenty readings.* Moscow, Moscow State University. P. 51-54.
19. Ediev D. M. 2005. Application of the demographic potential concept to estimating the Lotka's coefficient in the system of monitoring the small-sized population. In: *Population policy: State of the art and perspectives: IV Valenty readings (book 2).* Moscow, Moscow State University. P. 256-262.
20. Tebuev Dj. B., Ediev D. M. 2005. On the optimal choice of standard life table in the Brass model when estimating the life table for a small population. *Investigated in Russia (Demographic section)*, 155: 1630-1636. <http://zhurnal.ape.relarn.ru/articles/2005/155.pdf>.
21. Ediev D. M. 2004. Demographic Losses of Deported Soviet Peoples. *Population and Society.* No. 79 (2004). P. 1-4. In Russian
22. Ediev D. M. 2004. Demographic Losses of Deported Soviet Peoples. *Demoscope Weekly.* No. 147 – 148 (Feb. 23 – Mar. 7, 2004). <http://demoscope.ru/weekly/2004/0147/tema01.php> In Russian
23. Ediev D. M. 2003. International Migration as a Factor of Overcoming the Depopulation of Russia. In: *Migration and National Security.* Moscow: Moscow State University, 2003. P. 62-72. In Russian
24. Ediev D. M. 2003. Migration in the Caucasus Region: Trends, Determinants, and Perspectives. // *The European Council. Migration policies on the eve of the EU enlargement: what challenges for future co-operation within the East European region.* (Kiev, Oct. 9-10.) P. 61-100.
25. Ediev D. M. 2002. On Conditions of Monotonic Convergence of Population Structure to the Structure of Stable Equivalent Population in Kullback Distance Within the Model of Reproduction of Demographic Potential. *Investigated in Russia (Demographic section)*, 17: 182-190. <http://zhurnal.ape.relarn.ru/articles/2002/017.pdf> In Russian
26. Ediev D. M. 2002. Interrelations between the Spectrum of Leslie Matrix and the Age Pattern of Demographic Potentials. *Investigated in Russia (Demographic section)*, 74e: 815-823. <http://zhurnal.ape.relarn.ru/articles/2002/074e.pdf>
27. Ediev D. M. 2001. Reconstruction of the US Immigration History: Demographic Potential Approach. *Investigated in Russia (Demographic section)*, 140e: 1619-1635. <http://zhurnal.ape.relarn.ru/articles/2001/140e.pdf>
28. Ediev D. M. 2001. Aggregate Population Forecasting With the Use of Demographic Potentials Technique. *Investigated In Russia (Demographic section)*, 38e: 408-431. <http://zhurnal.ape.relarn.ru/articles/2001/038e.pdf>
29. Ediev D. M. 1996. Economic Analysis of Demographic Dynamics. *Modeling the Processes of Management and Information Processing.* Moscow: Moscow Institute of Physics and Technology, 76-80.

Date: September 13, 2021