CURRICULUM VITAE

Sept. 2025

PERSONAL DETAILS

Name	**Natalia Riabogina** (Natalia Evgen'evna R**y**abogina)
Present work address	University of Gothenburg, Institute for Historical Studies Renströmsgatan 6, 412 55 Göteborg (Sweden)
Date/Place of birth	1977, Ukraine
Contact details	e-mail: natalia.riabogina@gu.se, nataly.ryabogina@gmail.com Tel.: +46 0737052533
Scientific Profile	ORCID: https://orcid.org/0000-0003-1098-0121 ResearchGate:https://www.researchgate.net/profile/Natalia_Ryabogina Google Scholar: https://scholar.google.ru/citations?hl=ru&user=01LTrNAAAAAJ

RESEARCH INTERESTS

Palynology, Archaeobotany, Environmental changes, Landscape Archaeology, Ancient Human Activities (Agriculture and Pastoralism), Holocene

SKILLS AND COMPETENCES

Palynology - I have been doing pollen analysis for over 20 years, including non-pollen palynomorphs (NPP) and parasite eggs, in peat/lake sediments and cultural layers from archaeological sites.

Archaeobotany - I am experienced in the extraction of plant macro-remains in a variety of soil and context conditions at archaeological sites, and in the analysis of archaeobotanical datasets.

Charcoal Analysis - competent in the study of local palaeofire activity in the past based on macro- and micro-charcoal analysis in peat or lake sediments, analysing anthracological (charcoal) datasets.

Quantitative methods for pollen data - have experience in assessing land cover and vegetation change using pollen indices, biomisation, REVEALS, and statistical analysis.

DataBase – I have been involved in the curation and co-ordination of archaeobotanical, charcoal, pollen, NPP data.

RESEARCH EDUCATION

PhD	2004	PhD in Paleontology and Stratigraphy (Paleopalynology), Institute of Geology, Geophysics and Mineralogy BS RAS (Novosibirsk)
	Thesis topic	"Stratigraphy, climate, landscapes and human environment in the southern Trans-Ural during the Holocene"
Academic Internship	2001	Semi-annual internship "Palynological study of cultural layers on the ancient settlements" in the Laboratory of Natural Sciences Methods in Archeology, Institute of Archaeology RAS (Moscow)
University 1994-1999		Tyumen State University, Department of Ecology and Geography, specialist degree in Geoecology (analogous to the European Master's degree)

PROFESSIONAL OCCUPATION

2022-present *Researcher,* COREX project at the Institute for Historical Studies, University of Gothenburg (*Big Interdisciplinary Archaeological Database https://biadwiki.org/, Archaeobotanical data of Europe, Synthesis of pollen and archaeobotanical data*)

2018-2022 *Leading Researcher* of the Department of Archaeological and Environmental Reconstructions in Tyumen Scientific Centre SB RAS (*Landscape archaeology, Paleoecology, Ancient agriculture, Palynological studies of archaeological sites and natural archives of Siberia, the Caucasus, Central Europe and the Far East*)

1998-2018 *Laboratory assistant; Junior researcher assistant; Researcher and then Senior Researcher* of Department of Archaeological and Environmental Reconstructions in Institute of the Problems of Northern Development SB RAS (*Palynological analysis in Western Siberia, sample preparation, paleoecological data for archaeology*).

GRANTS (Principal Investigator)

2019-2022 **Russian Foundation of Basic Research (RFBR),** project «Indication of paleoecological changes: micro- and macrobotanical markers in Holocene natural archives» (appr. 42.000€)

2018 **Fulbright Scholar Program**, project «Paleoenvironmental research of the earliest agro-pastoralist communities in Central Asia», in cooperation with Prof. Michael Frachetti, Washington University, St. Louis, US (12.890 $)

2014 **DAAD research stay** «Reconstruction of natural and human-induced changes of vegetation in the Westen Siberia during the Holocene by palynological indicators», in cooperation with Prof. Manfred Rösch, Ruprecht-Karls-Universität, Heidelberg, Germany (4.800 €)

2010-2011 **Lavrentiev Academic Scholarship for Young Scientists SB RAS** «Climate Changes in the forest-steppe of Western Siberia and its impact on land use systems in the ancient population in the last 4000 years» (appr. 12.500€)

2007-2008 **Lavrentiev Academic Scholarship for Young Scientists SB RAS** «Environmental change and their impact on the population in Late Bronze and Early Iron Age (XV-IV BC) Tobol-Ishim interfluve» (appr. 14.600 €)

2001-2002 **Russian Foundation of Basic Research (RFBR)** grant «Landscapes and climate in Emetc-Ishim interfluve in the Holocene (based on palynological studies of peatlands)» (appr. 10.200 €)

PARTICIPATION IN SCIENTIFIC PROJECTS (last 10 years)

2022-present **ERC**, COREX project: From CORrelations to EXplanations: towards a new European prehistory, PI Dr Kristian Kristiansen (University of Gothenburg)

2020-2022 **Russian Science Foundation (RSF)**, project: Paleoecology - metallurgy - genesis of cultures: the reasons and progression of the change of epochs in the cultural space of Eastern Europe at the turn of the Middle and Late Bronze Age, PI Dr Chomutova T.E. (Institute of Physico-Chemical and Biological Problems of Soil Science RAS)

2019-2020 **NERC**: Collaborative UK-Russia climate change and environmental pollution studies in the Siberian (sub)Arctic, PI Dr Leon J. Clarke (Manchester Metropolitan University)

2019-2020 **NERC**: Understanding past Human-Environment challenges in Western Siberia, PI Dr Kimberley Davies (Bournemouth University)

2019-2022 **RFBR**, grant No. 19-29-05205/19: Anthropogenic soils of agricultural terraces of the Caucasus, PI Dr Idrisov I.A. (Geological Institute of the Dagestan Scientific Centre RAS)

2018-2020 **UK-Russia Arctic Bursary Program and NERC**, project DIMA (Developing Innovative Multiproxy Analyses in Siberia and the Russian Far East), PI Prof. Mary Edwards (University of Southampton) and Dr Maarten van Hardenbroek (Newcastle University)

2017-2020 **RSF**, grant 17-18-01406: Ecological determinism of the development of ancient societies: economic models of the population of the Bronze Age of the Caucasus in a changing climate, PI Dr Borisov A.V. (Institute of Physico-Chemical and Biological Problems of Soil Science RAS)

2016-2019 **RFBR**, grant № 16-06-00260 A: Ancient population on the shores of the system flow-through lakes: the dynamics of development and life support system (on the example of Andreevskaya lake system in Turo-Pyshma interfluve, PI Dr Zakh V.A. (Tyumen scientific Centre RAS)

2014-2017 **RFBR**, grant № 15-06-05763 A: Terraced agriculture in the mountainous Dagestan: the emergence, development and current state, PI Dr Borisov A.V. (Institute of Physico-Chemical and Biological Problems of Soil Science RAS)

2013-2015 **RFBR**, grant №13-06-12027 ofi-m: Agriculture in the peripheral areas of the East Asian geo-ecological zones (reasons for the appearance, dynamics, place in the life-support systems), PI Prof. Dr Sergusheva E.A. (Institute of History, Archaeology and Ethnography of Far East RAS)

2011-2012 **RFBR**, grant № 11-06-12016- ofi-m -2011: Iranian- Turkish condominium in resource and transit zones in the eastern European steppe in the 1st millennium AD and factor of the Byzantine-Khazar confrontation Russian, PI Prof. Dr Afanasyev G.E. (Institute of Archeology RAS)

L ANGUAGES

Native:	Russian and Ukrainian
Fluently:	English
Beginner level:	Swedish

TEACHING

2025 - University of Gothenburg: course AE1444 V25 Arkeologiska perspektiv och hjälpvetenskaper (Archaeological perspectives and auxiliary sciences); AE2024 V25 Miljöarkeologi och dess metoder (Environmental archaeology and its methods); HI2050 V25 Miljöhistoria (Environmental history);

2024 - University of Gothenburg: course AE1444 V24 Arkeologiska perspektiv och hjälpvetenskaper (Archaeological perspectives and auxiliary sciences);

2023 - University of Gothenburg: course HI1070 H23 Miljöhistoria (Environmental history); course AE1043 Naturvetenskapliga metoder inom arkeologin (Natural sciences methods in archaeology).

I was the supervisor of a bachelor's and master's thesis on forest paleo fires dynamics in Siberia, and I also have successful experience in PhD supervising in palynology (defended in 2016 and 2024 in Tyumen State University and Tyumen Scientific Center SB RAS).

She was the main opponent at Julie Shipp's doctoral midterm seminar "Assessing the potential of phytolith and soil chemistry analyses to investigate the urban landscape of Great Zimbabwe" in University of Gothenburg.

PRESENTATION AT THE INTERNATIONAL CONFERENCES (last years)

2025 - "Archaeobotanical and archaeozoological data harmonization in BIAD"/ COST Action CA23116 - PalaeOpen 'Interlinked European palaeoecological data', 8 April 2025, Göttingen (Germany)
- COST Action CA23116: PalaeOpen 2025: Effective conservation starts with open scientific data, 2-4 July 2025, Charles University Prague, Czech Republic.
- "Big Interdisciplinary Archaeological Database (BIAD): Harmonization of Pan-European Archaeobotanical Data in BIAD" / International Workgroup for Palaeoethnobotany (IWGP), 21-25 July 2025, Groningen (Netherlands).

2024 -"Reshaping Landscapes: how to unravel the threads of prehistoric landscape transformation" / *Landscape Archaeological Conference* (LAC 2024), Madrid, 10-14 June 2024 (Spain)

2023 - "Building an archaeobotanical and archaeozoological database in the BIAD: structure, creation experience and comparative analysis perspectives" / *Big Historical Data conference*, Max Planck Institute for Geoanthropology, 22-25 November 2023, Jena (Germany)
-" SILVA and BIAD - how can a small project contribute to a big purpose? " / *ANTHRACO 2023 8th International Anthracology Meeting*, University of Porto, 29th August – 2nd September, Porto (Portugal)
- "Ecosystems of the mountainous zone of the Caucasus from antiquity to the present" and " Agricultural terraces of the Eastern Caucasus"/ 3rd Caucasus Mountain Forum, 4-6 July 2023, Kutaisi (Georgia)
-" Archaeobotany and zooarchaeology in COREX project methods and perspectives" / Kiel conference 2023: Scales of social, environmental and cultural change in past societies, 13-18 March 2023, Kiel (Germany)
-«Paleofire activity in the subtaiga of Western Siberia: natural and anthropogenic causes» / Long-term fire-vegetation change: data-based challenges, 13-17 February 2023, Göttingen (Germany)

2022 - "Agricultural terraces of the North Caucasus" / 19th Conference of *the International Workgroup for Paleoethnobotany*, 13-17 June 2022, Ceske Budejovice.

2021 -"Mountain agriculture in the North Caucasus: pollen signals in peat paleoarchives, archaeological data and signs of slope terracing"/ 27th Annual Meeting of the European Association of Archaeologists, 6-11 September, Kiel (online)
-"Ecological niche and environmental adaptation features in Neolithic (south of Western Siberia)"/ *27th Annual Meeting of the European Association of Archaeologists*, 6-11 September, Kiel (online)
-"The influence of climatic shifts on the settlement and economic development of the mountain and plain zones of the East Caucasus*" / 6th Landscape Archaeology Conference. 8-11* June 2021, Madrid (online)
- "Environmental history and human impact in Eastern and Central parts of the North Caucasus" /*34th International Geographical Congress.* 16-20 Augus, İstanbul (online)

2019 -"Adaptation strategies of the inhabitants of the lake settlement Mergen 6 (early Neolithic, Western Siberia)"/ *1st* Conference *on the EARLY NEOLITHIC of EUROPE – ENE2019*, 6 - 8 November 2019, Barcelona.
-"Ancient and medieval agriculture of the North Caucasus, Russia" / *18th Conference of the International work group for paleoethnobotany.* 5-8 June 2016, Lecce (Italy).

2018 -"Environmental history, populating of the area and terraced agro-landscapes of mountainous Dagestan (Eastern Caucasus, Russia) " / *5th international Landscape Archaeology Conference 2018,* 17-20 September, Newcastle-Durham (UK).

2017 -"Ancient anthropogenic landscapes in mountainous Dagestan (Eastern Caucasus, Russia)" /*23nd Annual Meeting of the European Association of Archaeologists*, 30 August –3 September 2016, Maastricht (Netherlands)
-"Archaeobotanical *Chenopodium* Seeds from across Central Asia"/ *SAA 82nd Annual Meeting* Vancouver, Canada, March 29 - April 2, 2017

LIST OF PUBLICATIONS

PUBLICATIONS IN PEER-REVIEWED INTERNATIONAL JOURNALS

2025 – Zeng, T. C., Vyazov, L. A., Kim, A., Flegontov, P., Sirak, K., Maier, R., Lazaridis, I., Akbari, A., Frachetti, M., Tishkin, A. A., **Ryabogina, N. E.**, Agapov, S. A., Agapov, D. S., Alekseev, A. N., Boeskorov, G. G., Derevianko, A. P., Dyakonov, V. M., Enshin, D. N., Fribus, A. V., . . . Reich, D. (2025). Ancient DNA reveals the prehistory of the Uralic and Yeniseian peoples. *Nature*, 644(8075), 122-132. https://doi.org/10.1038/s41586-025-09189-3

2024 – **Ryabogina, N. E**., Nesterova, M. I., Utaygulova, R. R., & Trubitsyna, E. D. (2024). Forest fires in southwest Western Siberia: The impact of climate and economic transitions over 9000 years. *Journal of Quaternary Science*. *39*(3), 432-442. https://doi.org/10.1002/jqs.3593.

2024 - Reiter, S., Staniuk, R., Kolář, J., Bulatović, J., Rose, H., **Ryabogina, N.**, Speciale, C., Schjerven, N., Paulsson, B., Lee, V., Canteri, E., Revill, A., Dahlberg, F., Sabatini, S., Frei, K., Racimo, F., Ivanova-Bieg, M., Traylor, W., Kate, E., Derenne, E., Frank, L., Woodbridge, J., Fyfe, R., Shennan, S., Kristiansen, K., Thomas, M. & Timpson, A. (2024). The BIAD Standards: Recommendations for Archaeological Data Publication and Insights From the Big Interdisciplinary Archaeological Database. *Open Archaeology*, 10(1), 20240015. https://doi.org/10.1515/opar-2024-0015

2024 – Trubitsyna E.D., **Ryabogina N.E**., Zelenkova R.R. (2024). Reconstruction of the palaeoecological and palaeo-fire dynamics of the Tobol areas based on materials from the lake-swamp deposits of Oskino. *Limnology and Freshwater Biology*. 4. 726-732. DOI: 10.31951/2658-3518-2024-A-4-726.

2023 – Zeng, T. C., Vyazov, L. A., Kim, A., Flegontov, P., Sirak, K., Maier, R., Lazaridis, I., Akbari, A., Frachetti, M., Tishkin, A. A., **Ryabogina, N. E**., Agapov, S. A., Agapov, D. S., Alekseev, A. N., Boeskorov, G. G., Derevianko, A. P., Dyakonov, V. M., Enshin, D. N., Fribus, A. V., Frolov, Y. V., Grushin, S. P., Khokhlov, A. A., Kiryushin, K. Y., Kiryushin, Y. F., Kitov, E. P., Kosintsev, P., Kovtun, I. V., Makarov, N. P., Morozov, V. V., Nikolaev, E. N., Rykun, M. P., Savenkova, T. M., Shchelchkova, M. V., Shirokov, V., Skochina, S. N., Sherstobitova, O. S., Slepchenko, S. M., Solodovnikov, K. N., Solovyova, E. N., Stepanov, A. D., Timoshchenko, A. A., Vdovin, A. S., Vybornov, A. V., Balanovska, E. V., Dryomov, S., Hellenthal, G., Kidd, K., Krause, J., Starikovskaya, E., Sukenik, R., Tatarinova, T., Thomas, M. G., Zhabagin, M., Callan, K., Cheronet, O., Fernandes, D., Keating, D., Francesca, C., Iliev, L., Kearns, A., Özdoğan, K. T., Mah, M., Micco, A., Michel, M., Olalde, I., Zalzala, F., Mallick, S., Rohland, N., Pinhasi, R., Narasimhan, V., & Reich, D. (2023). Postglacial genomes from foragers across Northern Eurasia reveal prehistoric mobility associated with the spread of the Uralic and Yeniseian languages. *bioRxiv*, 2023.10.01.560332. https://doi.org/10.1101/2023.10.01.560332

2023 - Van Hardenbroek, M., Edwards, M., Blyakharchuk, T., Lozhkin, A., Bezrukova, E., Grenaderova, A., **Ryabogina N**., Antipina T., Cherepanova M., Anderson, P. (2023). The DIMA

Network: Bridging boundaries via shared scientific interests. *Polar Record*, 59, E21. doi:10.1017/S0032247423000116

2022 - Yuzhanina E., **Ryabogina N**., Borisov A. & Idrisov I. 67. Tarskoe swamp, central Caucasus (North Ossetia, Russia), *Grana*, 2022, DOI: 10.1080/00173134.2022.2130010

2022 – **Ryabogina N.E.,** Soenov V.I., Spengler R.N., Konstantinov N.A., Afonin A.S., Slepchenko S.M. Medieval mortuary millet: Micro and macrobotanical evidence from an early Turkic burial in the Altai. *Archaeological Research in Asia*, 31, 2022, 100391. https://doi.org/10.1016/j.ara.2022.100391

2022 – **Ryabogina N.E**., Idrisov I.A., Yuzhanina E.D., Borisov A.V. Peat palaeorecords from the arid Caspian Lowland in Russia: Environmental and anthropogenic effects during the second half of the Holocene. *Quaternary Science Reviews*, 2022, 280, 107417, https://doi.org/10.1016/j.quascirev.2022.107417 .

2022 – Yuzhanina E.D., Ivanov S.N., Afonin A.S., Kostomarov V.M. and **Ryabogina N.E**. Mid to late Holocene paleoenvironmental changes in the southern forest border of Western Siberia inferred from pollen data. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 2022, 588, 110800, https://doi.org/10.1016/j.palaeo.2021.110800 .

2021 – **Ryabogina N**., Marinova E., Rösch M. 56. Gnadensee, *Grana*, 2021, 60:6, 477-479, https://doi.org/10.1080/00173134.2021.1944302

2020 – Davis B.A.S., Chevalier M., Somm P. and 102 others. The Eurasian Modern Pollen Database (EMPD), Version 2. *Earth System Science Data,* 12(4). 2423-2445. https://doi.org/10.5194/essd-12-2423-2020

2020 – **Ryabogina N.E**., Afonin A.S., Ivanov S.N. Late Glacial and Holocene in the south of Western Siberia: geochemical indices and pollen data in Kyrtyma Lake sediments. 2020 *IOP Conf. Ser.: Earth Environ. Sci.* Vol. 438, 012023. https://doi.org/10.1088/1755-1315/438/1/012023

2020 – **Ryabogina N.E**., Nasonova E.D., Borisov A.V., Idrisov I.A. Holocene vegetation and climate changes in the North-Eastern Caucasus (pollen data from mountains and plain peatlands). 2020, *IOP Conf. Ser.: Earth Environ. Sci*., Vol. 438, 012024. https://doi.org/10.1088/1755-1315/438/1/012024 or https://iopscience.iop.org/article/10.1088/1755-1315/438/1/012024

2019 – **Ryabogina N.E**., Afonin A.S., Ivanov S.N., Li H.-C., Kalinin P.A., Udaltsov S.N., Nikolaenko S.A. Holocene paleoenvironmental changes reflected in peat and lake sediment records of Western Siberia: Geochemical and plant macrofossil proxies. *Quaternary International,* 2019, 528, 73-87. https://doi.org/10.1016/j.quaint.2019.04.006

2019 – **Ryabogina N**., Borisov A., Idrisov I., Bakushev M. Holocene environmental history and populating of mountainous Dagestan (Eastern Caucasus, Russia). *Quaternary International*, 2019, 516, 111-126. https://doi.org/10.1016/j.quaint.2018.06.020

2017 – Binney H., Edwards M., Macias-Fauria M., Lozhkin A., Anderson P., Kaplan J.O., Andreev A., Bezrukova E., Blyakharchuk T., Jankovska V., Khazina I., Krivonogov S., Kremenetski K., Nield J., Novenko E., **Ryabogina N**., Solovieva K., Willis K., Zernitskaya V. Vegetation of Eurasia from the last glacial maximum to present: Key biogeographic patterns. *Quaternary Science Reviews*, 157(1), pp. 80-97. https://doi.org/10.1016/j.quascirev.2016.11.022

2016 – Robert N. Spengler III, Natalia E. **Ryabogina**, Pavel E. Tarasov and Mayke Wagner The spread of agriculture into northern Central Asia: Timing, pathways, and environmental feedbacks. *The Holocene.* 26 (10), pp. 1527-1540. https://doi.org/10.1177/0959683616641739

2011 – **Ryabogina N.E.,** Ivanov S.N. Ancient agriculture in Western Siberia: problems of argumentation, paleoethnobotanic methods, and analysis of data. *Archaeology, ethnology & anthropology of Eurasia* 39(4). 2011, 96–106.
https://www.sciencedirect.com/science/article/pii/S1563011012000128
https://www.researchgate.net/publication/257626743

2010 – Zakh V.A., **Ryabogina N.E**., Chlachula J. Climate and environmental dynamics of the mid- to late Holocene settlement in the Tobol-Ishim forest-steppe region, West Siberia. *Quaternary International*. 2010. Vol. 220. № 1-2. С. 95-101.
https://www.sciencedirect.com/science/article/pii/S1040618209003073
https://www.researchgate.net/publication/271132395

2002 **–** Matveev A.V., **Ryabogina N.E**., Semochrina T.G., Larin S.I. Materials on the Palaeogeographic Description of the Andronovo Age in the Trans-Urals Forest-Steppe. *Complex Societies of Central Eurasia from the 3rd to the 1st Millennium BC*, Regional Specifics in Light of Global Models, Volume II, - Washington D.C., Institute for the Study of Man, 2002, P.443-453.

BOOK, BOOK CHAPTERS AND OTHER PUBLICATIONS

2013 - Schneeweiss J., Ryabogina N. Interactions between natural changes and cultural development in the West Siberian forest-steppe zone in the 2nd and 1st millennium BC. In: O. Henry-Tamaska, M. Hardt, L. Révész, W. Schenk (eds) *Open landscapes. Settlement research. Archaeology - History - Geography* 31, 2014. - P. 63-95. [Schneeweiß J., Rjabogina N. Die Wechselwirkungen zwischen naturräumlichen Veränderungen und Kulturentwicklung in der westsibirischen Waldsteppenzone im 2. und 1. Jahrtausend v.Chr. // O. Heinrich-Tamaska/M. Hardt/L. Révész/W. Schenk (eds), Offene Landschaften. Siedlungsforschung. Archäologie - Geschichte - Geographie 31, 2014. - P. 63-95] (in German)
https://www.researchgate.net/publication/271132481

2008 - Zakh V.A., Zimina O.Y**., Ryabogina N.E.,** Skochina S.N., Usachova I.V. Holocene landscapes and cultural interaction in the Tobol-Ishim interfluve. - Novosibirsk: Nauka, 2008. p. 212. (Chapter 1. Landscapes and climate in the Tobol-Ishim interfluve in the Holocene, pp. 6-58) (in Russian)

2006 - Settlement Bysrtyi Kulëgan 66: Neolithic monument in Surgut Ob. In L.L. Kosinskaya and A.J. Trufanova (Eds.). Yekaterinburg-Surgut: Ural Publishing House, 2006. - 192 p. (in Russian)

2003 - Matveeva H.P., Volkov E.N., **Ryabogina N.E.** Antiquities in the Ingalskaya Valley. Novosibirsk: Publishing House of Science, 2003, P. 176. (in Russian)

PUBLICATIONS IN PEER-REVIEWED <u>RUSSIAN</u> JOURNALS (last years)

2024 - Solomonova M.Y., Kupriyanova E.V., Trubitsyna E.D., Ryabogina N.E. Phytolith Studies of Ash Heaps of Bronze Age Settlements of the Southern Trans-Urals. Problems of Archaeology, Ethnography, Anthropology of Siberia and Neighboring Territories, 2024, Vol. XXX, p. 751-759. DOI: 10.17746/2658-6193.2024.30.0751-0759.

2024 - Kupriyanova E.V., Solomonova M.Yu., Trubitsyna E.D., Kashirskaya N.N., Kashevskaya A.O., Afonin A.S., Filimonova M.O., Ryabogina N.E. Genesis and functions of the Late Bronze Age ash heaps in the Southern Trans-Urals in the context of new interdisciplinary research Vestnik arheologii, antropologii i etnografii, 2023, 4 (67), 36-55. https://doi.org/10.20874/2071-0437-2024-67-4-3

2023 - Kupriyanova E.V., Solomonova M.Yu., Trubitsyna E.D., Kashirskaya N.N., Filimonova M.O., Afonin A.S., Sharapov D.V., Ivanov S.N., Ryabogina N.E. Interdisciplinary research of ash heap sediment near Stepnoye settlement (Chelyabinsk Oblast). *Vestnik arheologii, antropologii i etnografii*, 2023, 4 (63), 18-38. DOI: https://doi.org/10.20874/2071-0437-2023-63-4-2

2022 - Mimokhod R, Gak E., Khomutova T., Ryabogina N., Borisov A. Paleoecology – culture genesis – metal production: the reasons and mechanisms of the change of periods in the cultural space of the south of Eastern Europe at the turn of the middle and late Bronze Ages. *Russian archeology*, 2022, 1, 24-38. DOI: 10.31857/S0869606322010159 https://elibrary.ru/item.asp?id=48104166 .

2021 - Ryabogina N.E., YuzhaninaE.D., Ivanov S.N., Golyeva A.A. Microbiomarkers of the local environment and interior of Neolithic and Eneolithic dwellings (settlements of Mergen 6 and 7). *Bulletin of archaeology, anthropology and ethnography*, 2021, 4(55), 5-16. https://doi.org/10.20874/2071-0437-2021-55-4-1

2020 - Ryabogina N.E., Yuzhanina E.D. Palaeoecological reconstructions in the Tobol-Ishim interfluve: combination of on-site pollen data from cultural layers and off-site peatland records. *Bulletin of archaeology, anthropology and ethnography*, 2020, 4(51), 85-98. https://doi.org/10.20874/2071-0437-2020-51-4-8

2020 - Gadzhiev M.S., Bakushev M.A., Borisov A.V., Ryabogina N.E. On migration and demographic processes in the territory of Dagestan in the Albanian-Sarmatian and early medieval periods. *Stratum Plus*. Archeology and cultural anthropology, 2020, 4, 309-324. https://www.e-anthropology.com/Katalog/Arheologia/STM_DWL_c8KZ_lJqwGgis6GCZ.aspx

2019 - Nasonova E.D., Ryabogina N.E., Afonin A.S., Ivanov S.N., Tkachev A.A. (2019). Vegetation and climate of the Iset-Tobol interfluve from the Eneolithic to the Early Iron Age: new palaeoecological data on the Oskino-09 swamp. *Bulletin of archaeology, anthropology and ethnography*, 2019, 4, 15-27. https://doi.org/10.20874/2071-0437-2019-47-4-2

2019 - Ryabogina N.E., Idrisov I.A., Borisov A.V., Afonin A.S., Zazovskaya E.P. Eastern Caucasus marshes as high-resolution archives of paleogeographic information. *Geography and natural resources*, 2019, 2, 85–94. https://doi.org/10.21782/GIPR0206-1619-2019-2(85-94)

2018 - Ryabogina N.E., Ivanov S.N., Nasonova E.D. Residential landscape: the natural environment of the Late Bronze settlements in the Tobol region. *Bulletin of archaeology, anthropology and ethnography,* 2018, 4 (43), 39-50. DOI: 10.20874/2071-0437-2018-43-4-039-050. http://www.ipdn.ru/_private/a43/39-50.pdf

2017 – Afonin A.S., Ivanov S.N., Ryabogina N.E. Environmental conditions in the transition period between the bronze and the iron age in the Ishim river basin, Western Siberia (according to the on-site paleobotanical data from the settlement of Marai 1). *Bulletin of archaeology, anthropology and ethnography,* 2017, 3 (38), 165-168. https://www.researchgate.net/publication/320711012

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