EDUCATION

PhD in Geology and Mineralogy — 2023
St. Petersburg State University, Russia

Post-Higher Education: Teacher and Researcher — 2021
St. Petersburg State University, Russia — GPA: 4.0

MSc in Geochemistry and Mineralogy — 2018
St. Petersburg State University, Russia — with distinction, GPA: 3.94

BSc in Environmental Geochemistry — 2016
St. Petersburg State University, Russia — with distinction, GPA: 3.81

PROFESSIONAL CERTIFICATES

Data Scientist
Yandex School of Data Analysis, Russia — 2022 – 2023

Administrative Assistant/Secretary
Vocational School #8 Mirny, Sakha Republic, Russia — 2009 – 2011

PROFESSIONAL APPOINTMENTS

Assistant Specialist — 2024 – present
Department of Earth Sciences — full-time
University of Hawai‘i at Mānoa, USA — permanent

Assistant Researcher — 2023 – 2024
Laboratory of Geochronology and Geochemistry of Isotopes — full-time
Institute of Precambrian Geology and Geochronology, Russia — permanent

Assistant Professor — 2021 – 2022
Department of Geochemistry — part-time
St. Petersburg State University, Russia

Lead Lab Technician — 2021 – 2023
Laboratory of Geochronology and Geochemistry of Isotopes — full-time
Institute of Precambrian Geology and Geochronology, Russia

Assistant Civil Servant — 2019 – 2020
Arctic Affairs Committee — full-time
Government of Saint Petersburg, Russia

Lab Technician — 2018 – 2021
Laboratory of Geochronology and Geochemistry of Isotopes — part-time
Institute of Precambrian Geology and Geochronology, Russia

Student Support Specialist — 2018 – 2019
Student Support Center — part-time
St. Petersburg State University, Russia

HONORS AND AWARDS

Russian National Merit Scholar, 2015 – 2018

MANUSCRIPTS IN PROCESS

Kuznetsov, M.V., Kozlovsky, A.M., Savatenkov, V.M., Yarmolyuk, V.V., Shpakovich, L.V., Oyunchimeg, Ts. (in review, second round). First geochemical and isotope data for the Altan Uul ophiolite (southern Mongolia) reveal West Pacific-type tectonic evolution of the Trans-Altai Gobi in the Middle–Late Paleozoic. *Lithos*.

PUBLICATIONS IN PEER-REVIEWED JOURNALS

Savatenkov, V.M., **Kuznetsov, M.V.**, Shpakovich, L.V., 2024. Geochemical and isotopic features of the Early Cretaceous volcanism of the Torey Volcanic Field (Eastern Transbaikalia, Russia) as a record of the transition from pyroxenite to eclogite mantle source. *Lithos* 486-487, 107778, https://doi.org/10.1016/j.lithos.2024.107778

Kuznetsov, M.V., Savatenkov, V.M., Sheldrick, T., Shpakovich, L.V., 2023. Early Cretaceous trachytes and basement rocks from northeastern Mongolia: A Sr-Nd-Pb isotope study. *Frontiers in Earth Sciences* 11:1156559, https://doi.org/10.3389/feart.2023.1156559

Kuznetsov, M.V., Savatenkov, V.M., 2023. Melting modeling of mixed peridotitic and mafic lithologies at shallow depths of the continental metasomatized lithospheric mantle: Implementation for the Early Cretaceous volcanic rocks of Eastern Mongolia. *Bulletin of Saint Petersburg University. Earth Sciences* 28(3), 596-617, https://doi.org/10.21638/spbu07.2023.309

Yarmolyuk, V.V., Savatenkov, V.M., Kozlovsky, A.M., Stupak, F.M., **Kuznetsov, M.V.**, Shpakovich, L.V., 2023. Conditions of rock formation and magma sources of the Late Cenozoic Udokan volcanic plateau. *Petrology* 31, 1-24, https://doi.org/10.1134/S1028334X20070223.

Kuznetsov, M.V., Savatenkov, V.M., Shpakovich, L.V., Yarmolyuk, V.V., Kozlovsky, A.M., 2022. Evolution of the magmatic sources of the Eastern Mongolian Volcanic Area: Evidence from geochemical and Sr–Nd–Pb isotope data. *Petrology* 30, 441-461, https://doi.org/10.1134/S0869591122050034

Yarmolyuk, V.V., Kozlovsky, A.M., Savatenkov, V.M., Kudryashova, E.A., **Kuznetsov, M.V.**, 2020. Late Mesozoic Eastern Mongolia Volcanic Area: Structure, magmatic associations, and sources of melts. *Petrology* 28, 491-514, https://doi.org/10.1134/S0869591120060053

CONFERENCE PRESENTATIONS

(only as the 1st and presenting author)

Kuznetsov, M., Pietruszka, A., Robbins, M., Steiner, A., 2025. The Origin of the lava erupted from Ahu‘ailā‘au on the Lower East Rift Zone of Kīlauea in 2018. AGU Chapman Conference *(poster)*.

Kuznetsov, M.V., Savatenkov, V.M., Kozlovsky, A.M., Shpakovich, L.V., Yarmolyuk, V.V., 2024. Did the DUPAL isotopic anomaly actually exist in the mantle of the Paleo-Asian Ocean in the Paleozoic? A case study of the Altan ophiolite (Southern Mongolia). Fall 2024 Meeting of the American Geophysical Union, DI43B-01 *(eLightning)*.

Kuznetsov, M.V., Savatenkov, V.M., 2022. The sources of the Early Cretaceous volcanism of the Eastern Mongolia volcanic area based on modeling results in the alphaMELTS program. 11th All-Russian Petrographic Conference “Petrology of Igneous and Metamorphic Complexes”, Tomsk, Russia *(oral)*.

Kuznetsov, M.V., Savatenkov, V.M., Kozlovsky, A.M., Yarmolyuk, V.V., Lebedev, V.A., 2021. Evolution of intraplate volcanism in the Eastern Mongolia Volcanic Area in the Early Cretaceous-Early Cenozoic: New geochronological, geochemical, and Sr-Nd-Pb isotope data. 19th All-Russian Scientific Conference “Geodynamic evolution of the lithosphere of the Central Asian Fold belt (from ocean to continent)”, Irkutsk, Russia *(oral)*.

Kuznetsov, M.V., Savatenkov, V.M., Shpakovich, L.V., Kozlovsky, A.M., Kudryashova, E.A., 2021. New lead isotope data on Cretaceous volcanic rocks of Mongolia: The sources and the origin of the magmatic melts. European Geosciences Union Assembly, Vienna, Austria *(oral)*.

Kuznetsov, M.V., Savatenkov, V.M., 2019. Geochemical and isotopic features of Cretaceous volcanic rocks of Eastern Mongolia. Goldschmidt, Barcelona, Spain *(poster)*.

Kuznetsov, M.V., Savatenkov, V.M., 2018. Isotopic and geochemical characteristics of Cretaceous volcanics of Eastern Mongolia. 16th All-Russian conference of the Earth Sciences Student Society "Modern Research in Geology", St. Petersburg, Russia *(oral)*.

Kuznetsov, M.V., Ryabchuk, D.V., 2016. Ecological and geochemical conditions of sediments of the Sestroretskiy Razliv lake. 16th All-Russian Youth Scientific Conference "School of Environmental Geology and Rational Subsurface Management", St. Petersburg, Russia *(oral)*.

Kuznetsov, M.V., Belyaev, A.M., 2015. The use of remote sensing for identifying and predicting karst processes in the Jewish Autonomous Region. 15th All-Russian Youth Scientific Conference "School of Environmental Geology and Rational Subsurface Management", St. Petersburg, Russia *(oral)*.

EXTRAMURAL RESEARCH GRANTS

Russian Science Foundation, Co-principal Investigator (2023 – 2024), #23-27-00165.
Pb–Pb isotopic crustal zoning and isotopic sources of the Late Mesozoic rare metal deposits of Eastern Transbaikalia.

Russian Science Foundation, Team member (2022), #18-17-00247.
Variations in strontium isotopic composition ($^{87}Sr/^{86}Sr$ and $^{88}Sr/^{86}Sr$) of sedimentary and ore-bearing carbonate rocks: controlling factors, age constraints and correlation.

Russian Science Foundation, Team member (2021 – 2023), #21-17-00164.
Paleoproterozoic terrigenous sediments of the western part of the Aldan Shield: composition, age, sources, and geodynamic settings.

Russian Foundation for Basic Research, Team member (2020 – 2022), #20-05-00401A.
Sources of the Early Cretaceous magmatism in Eastern Transbaikalia and Mongolia based on the study of U–Th–Pb isotope systematics of volcanic rocks.

Russian Foundation for Basic Research, Team member (2017 – 2019), #17-05-00412A.
Evolution of intraplate magmatism in the Late Mesozoic–Cenozoic of Central Asia on the example of the Eastern Mongolia–Transbaikalia rift region.

PROFESSIONAL SERVICE

Search Committee for an Assistant Professor of Geomorphology of Ocean Islands
(Sep 2025 – present)

Mānoa Faculty Senate
(Sep 2025 – present)

Graduate Student Success Committee
(2024 – present)

Editorial Board Member of the journal "Bulletin of Saint Petersburg University. Earth Sciences"
(2024 – present)

Reviewer Board Member of the journal "Minerals"
(2024 – present)

Member of the Youth Scientific Council of the Institute of Precambrian Geology and Geochronology, St. Petersburg, Russia
(2021 – 2024)

Organizing Committee for the All-Russian conference of the Earth Sciences Student Society of St. Petersburg State University, Russia (2015 – 2018)

TEACHING EXPERIENCE

200 level: Field Practice in Geological Mapping (Summer, 2022)
St. Petersburg State University

400 level: Geochemistry (Spring semester, 2022)
St. Petersburg State University

FIELD INVESTIGATIONS

Russian–Mongolian geological expedition (2017)

Mineral exploration and geological mapping works on the Kola Peninsula, Russia (2015, 2016)

PROFESSIONAL AFFILIATIONS

American Geophysical Union, Geological Society of America, Geochemical Society