

Potential scientific supervisors: Earth & Environmental Sciences for Sustainability

| № | Surname | Name | University | Scientific interests | Link to portfolio |
|----|-------------|-----------|--|--|---|
| 1. | Cheskidov | Vasilii | University of Science and Technology MISIS | Geological and economic assessment of deposits, management and optimization of ore flows (mine to mill optimization), geometallurgy, modeling of geological objects and processes, evaluation of mining projects, processing and interpretation of geological data, engineering-geological and hydrogeological support of mining operations, research of man-made massifs (including for further use as man-made deposits), assessment of the stability of slope structures. | https://en.misis.ru/files/-/88813d95f5743cc37c93bd97d480d110/portfolio-cheskidov_en.pdf |
| 2. | Chusov | Aleksandr | Peter the Great St. Petersburg Polytechnic University | Development of scientific foundations and methods of flood protection in adjacent river basins based on modeling the operating modes of a distributed multi-stage system of intercepting hydroelectric systems | https://opendoors.spbstu.ru/files/supervisors_portfolio/chusov.pdf |
| 3. | Kritchenkov | Andrei | Peoples' Friendship University of Russia named after Patrice Lumumba | Sorbents based on layered double hydroxides, chitosan, cellulose for water and soil purification; Environmentally friendly fertilizers and plant growth stimulants; Green chemistry; Environmentally friendly films | RUDN University — International Competition "Open Doors: Russian Scholarship Project" for prospective Master's and Doctoral students |
| 4. | Kuzina | Dilyara | Kazan (Volga region) Federal University | Cosmic dust, micrometeorites, meteorites (magnetic properties, elemental composition, concentration in sediments, variations in time); Magnetic properties of rocks, paleomagnetism; Geophysics (magnetic survey) application for solving applied and fundamental problems | https://kpfu.ru/portal/docs/F526185479/Kuzina_D_M.portfolio.ang.docx |
| 5. | Kuznetsov | Andrey | Southern Federal University | Assessment of self-cleansing capacity of aquatic environments; analysis of pollutants' accumulation in marine, coastal and fluvial sediments; modelling environmental processes using statistical methods and GIS technologies. | https://sfedu.ru/files/upload/per/6109/CV%20Kuznetsov%20Eng%202024.pdf |

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| 6. | Lipina | Alexandra | University of Science and Technology MISIS | Geological and economic assessment of deposits, management and optimization of ore flows (mine to mill optimization), geometalurgy, modeling of geological objects and processes, evaluation of mining projects, processing and interpretation of geological data, engineering-geological and hydrogeological support of mining operations, research of man-made massifs (including for further use as man-made deposits), assessment of the stability of slope structures. | https://en.misis.ru/files/-/f34880ec25d24fb02abe912f09cb62b0/portfolio-lipina_en.pdf |
| 7. | Ognev | Igor | | Basin modeling, Earth crust heat flow, radiogenic heat generation, earth crust modeling, satellite gravity survey, direct and inverse problems of geophysics | https://kpfu.ru/portal/docs/F_1342347630/Ognev_IN.portfolio.ang.docx |
| 8. | Ovsepyan | Asya | Southern Federal University | The field of scientific interests is the study of factors determining migration, transformation, and distribution of pollutants in the environment, especially in boundary zones, primarily a metal of the first hazard class – mercury. | https://sfedu.ru/en/person/aeovsepyan |
| 9. | Prokhorov | Vadim | Kazan (Volga region) Federal University | Ecology, plant geography, climate change. | https://kpfu.ru/portal/docs/F_127587397/Prokhorov.ang.docx |
| 10. | Pudovik | Elena | Kazan (Volga region) Federal University | Socio-economic mapping, geoinformatics, spatial analysis, economic demography, thematic mapping, GIS analysis, population settlement. | https://kpfu.ru/portal/docs/F307705125/Pudovik.ang.docx |
| 11. | Rudmin | Maxim | National Research Tomsk Polytechnic University | Scientific interests are as follows: ore deposits, ooidal ironstones, clay minerals, sedimentary basins, glauconite, mineral fertilizers, controlled release fertilizers. | https://tpu.ru/upload/medialibrary/c1f/whuhne6ntqqcb4r73gm0556bp2g4d3qm/Rudmin-AYA.pdf |
| 12. | Sergienko | Olga | ITMO University | 1. Implementation of the principles of the best available techniques and cleaner production. 2. Life cycle assessment of new materials, products, and services. 3. Environmental, social and economic aspects of the | https://aspirantura.itmo.ru/?main=43 |

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| | | | | life cycle of alternative energy technologies and environmental protection technique. | |
| 13. | Silantiev | Vladimir | Kazan (Volga region) Federal University | Geochronology of Permian-Triassic Boundary. Upper Palaeozoic non-marine bivalves: paleontology and biostratigraphy. Geological Heritage. | https://kpfu.ru/portal/docs/F1475484767/Silantev_VV.portfolio.ang.docx |
| 14. | Talovskaya | Anna | National Research Tomsk Polytechnic University | Environmental geochemical monitoring in urban and mining areas. Ecogeochemistry and mineralogy of particulate matter based on the study of snow cover and road (street) dust. Geoindicators of atmospheric air changes under the impact of anthropogenic factors. | https://tpu.ru/university/documents/Таловская%20А.В.%20(АЯ).pdf |
| 15. | Uspenskaya | Mayya | Peter the Great St. Petersburg Polytechnic University | Polymers, ecology, waste recycling, sensor systems, environmental monitoring, eco-friendly materials. | https://opendoors.spbstu.ru/files/supervisors_portfolio/uspenskaya.pdf |
| 16. | Varfolomeev | Mikhail | Kazan (Volga region) Federal University | Petroleum engineering, enhanced oil recovery methods, in situ combustion, reservoir fluid thermodynamics, gas hydrates, heavy oil upgrading, oilfield chemistry, intermolecular interactions. | https://kpfu.ru/portal/docs/F_1883309041/portfolio.ang.pdf |
| 17. | Zenkov | Igor | Siberian Federal University | Open-pit mining, remote sensing of the Earth from space, mining industry, mining machines and complexes. | https://www.sfu-kras.ru/files/ENG_Zenkov.pdf |